



exporlux news

LIGHT
ON
EMOTIONS

exporlux

O Futuro é hoje amanhã será passado, este é o princípio da longevidade da “Coisa”. Os objetos deste catálogo traduzem a efemeridade do facto, o quão é transitória a realidade do efeito, dos objetivos a abarcar, o que fica na memória, a reminiscência do passado e o alcance do futuro. A missão da Exporlux é contribuir para a tranquilidade da ambiência que nos cerca, para a aquietação de todos, tornando o Mundo mais sereno, mais amaino. É sua incumbência a orientação ecológica e o caminho da satisfação humana rumo ao superior da consciência social. Reformar reconstruindo, reorganizar reestruturando, refazer reconvertendo, ser facilmente inteligível, intuitivo, evidente, foram os pretextos para o projeto CONVERT.

A analogia do fácil, determinada pela capacidade exclusiva individual, foi basilar para o conceito CONVERT, ter a reprodução dos novos tempos, de tecnologia acessível ao alcance apenas pelos nossos dedos foi a grande provocação. O nosso argumento é a indispensabilidade da evolução do Mundo, a nossa missão é torná-lo melhor, menos poluente, mais ecológico, mais aconchegado à Vida no nosso Planeta. A existência do ser humano depende da proficuidade que confecionamos.

O modelo retratado neste novo catálogo espelha a vontade firme da EXPORLUX em ser o paradigma do futuro: simples, claro, evidente, natural!

The future is today. Tomorrow will already be the past. This is the longevity principle of the issue. The products in this catalogue transmit the ephemeral nature of things, how transitory the reality of the effect is, of the included objectives, what remains in our memories, reminiscing about the past and focussing on the significance of the future. Exporlux’s mission is to contribute to the tranquillity of the environment that surrounds us and to our own tranquillity, making it more serene and calm. Ecological management and the path to human satisfaction, with the objective of attaining a superior social awareness, are part of this mission.

Renewing by reconstructing, reorganising by restructuring, remodelling by reconverting, being easily intelligible, intuitive and clear were the main objectives of the CONVERT project.

The analogy of ease, determined by the exclusive capacity of the individual, was paramount to the CONVERT concept. The great challenge was reproducing modern times and making technology available at the mere touch of our fingers. Our focus is the certainty of the world’s evolution and our mission is to make it better, less polluted, more ecological and more comfortably close to our Life on our Planet. Man’s existence depends on the opportunities we create.

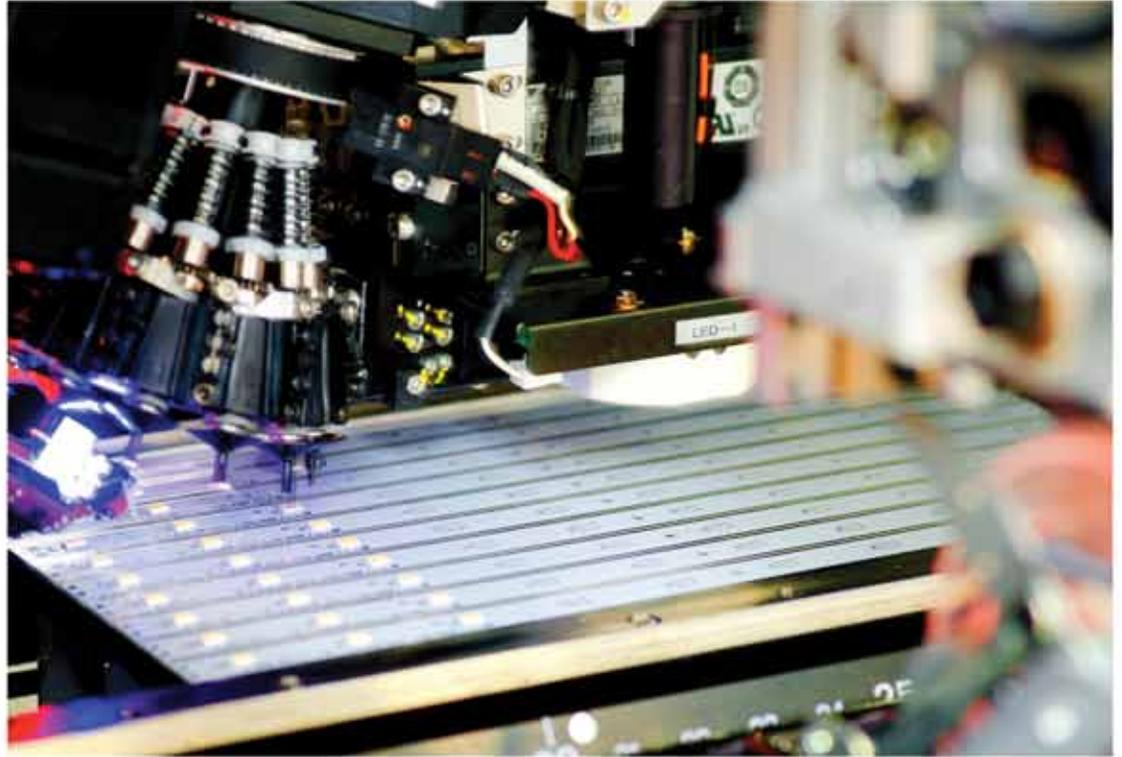
The model depicted in this new catalogue mirrors EXPORLUX’s affirmation of being the paradigm of the future: simple, clear, evident and natural!

Le Futur est aujourd’hui, demain sera le passé, tel est le principe de la longévité de la chose. Les objets de ce catalogue traduisent le caractère éphémère du fait, combien la réalité de l’effet, des objectifs à couvrir, est transitoire, ce qui reste dans nos mémoires, la réminiscence du passé et la portée de l’avenir. La mission d’Exporlux est de contribuer à la tranquillité de notre environnement, rendant le Monde plus serein, plus apaisé. Elle a pour fonction l’orientation écologique et le chemin de la satisfaction humaine, en vue du contentement supérieur de la conscience sociale.

Réformer en reconstruisant, réorganiser en restructurant, refaire en transformant, être facilement intelligible, intuitif, évident, ont servi d’arguments au projet CONVERT.

L’analogie de qui est facile, déterminée par la capacité exclusive individuelle, a été fondamentale pour le concept CONVERT, ayant comme enjeu majeur d’avoir la reproduction des nouveaux temps, d’une technologie accessible du bout des doigts. Notre argument est le caractère indispensable de l’évolution du Monde, notre mission est de le rendre meilleur, moins polluant, plus écologique, plus confortable pour la Vie sur notre planète. L’existence de l’être humain dépend de l’utilité que nous en faisons.

Le modèle dépeint dans ce nouveau catalogue reflète la ferme volonté d’EXPORLUX d’être le paradigme du futur: simple, clair, évident, naturel!



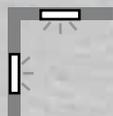
APLICAÇÃO. FIXAÇÃO. APPLICATION. FIXATION. APPLICATION. FIXATION.



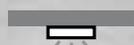
encastrar teto
ceiling recessed
encastrée en plafond



encastrar parede
wall recessed
encastrée au mur



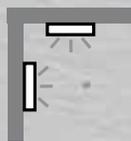
encastrar teto/parede
ceiling/wall recessed
encastrée en plafond/mur



saliente teto
ceiling mounted
apparent



applique parede
wall mounted
applique mural



saliente teto/parede
ceiling/wall mounted
apparent/applique mural



suspensa
suspended
suspendu



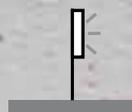
uplight
uplight
uplight



de calha
track
rail



de pé
floor standing
sur pied



coluna
column
borne

CORES DISPONÍVEIS. AVAILABLE COLOURS. COULEURS DISPONIBLES.

corten
RAL 8186

preto, black, noir
RAL 9011

antracite, anthracite, anthracite
RAL 7016

alumínio, aluminum, aluminium
RAL 9006

aço inox, stainless steel,
acier inoxydable

branco, white, blanc
RAL 9003

8.

DESIGN

- 10. KASA
- 12. KASA PÉ
- 16. KASA M
- 17. KASA S
- 18. LAMP COLLECTION
- 24. TUGA

26.

DOWNLIGHTS

- 30. SMALL CONVERT E
- 34. SMALL CONVERT S
- 36. TITÂNIO LED
- 40. EZEX LED
- 42. APOLO TV LED
- 44. TITÂNIO Q LED
- 46. QUATREX LED
- 50. WORKS/E LED
- 54. WORKS/S LED
- 56. TIPUS
- 60. FRANCIS
- 64. NEX RD
- 66. OVNI LED
- 68. TITÂNIO RP
- 70. PIPE LED
- 72. STAR RD LED
- 76. FOCUS RD LED
- 78. STAR LED
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- 90. MAGO

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- 158. OVE LED
- 160. KLIO LED
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94.

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- 100. MÁKINA
- 106. MIUSE
- 110. ORBIT
- 112. PETRI LED
- 116. PIRET LED
- 120. REFLEX LED
- 122. ROX LED
- 126. HUG
- 130. ILULED
- 132. TUBILINE LED

164.

PROFILES

- 166. ATLANTIS LED
- 170. DIALINE
- 172. MODELUX ECOLED
- 174. OPTICAL LED
- 178. OPTICAL ECOLED
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- 184. WALLCORNER
- 186. DRY LED

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- 138. CIND
- 140. CIRCLE
- 142. DOURO LED
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- 148. REDUEXO LED

188.

EXTERIOR

- 190. JOTA
- 192. JOTA S
- 192. JOTA C
- 194. MINIATREX LED
- 198. MINIATREX PISO LED
- 202. PROURB LED
- 204. TOP 3 LED
- 208. WALKWAY TREE

DESIGN



KASA PÉ 12



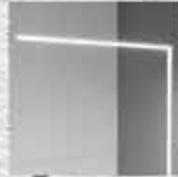
KASA 14



KASA M 16



KASA S 17



LAMP COLLECTION 18



TUGA 24

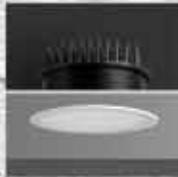
DOWNLIGHTS



SMALL CONVERT E 30



SMALL CONVERT S 34



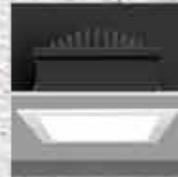
TITÂNIO LED 36



EZEX LED 40



APOLO IV LED 42



TITÂNIO Q LED 44



QUATREX LED 46



WORKS/E LED 50



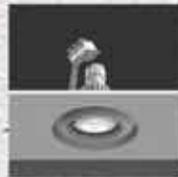
WORKS/S LED 54



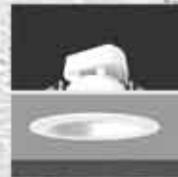
TIPUS 56



FRANCIS 60



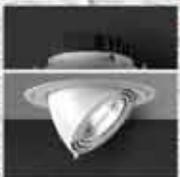
NEX RD 64



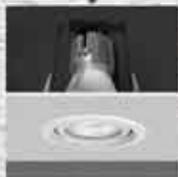
OVNILED 66



TITÂNIO RP 68



PIPE LED 70



STAR RD LED 72



FOCUS RD LED 76



STAR LED 78



FOCUS LED 84



MAGO 90

SPOTLIGHTS & LIGHTING SYSTEMS



ELUX 96



MÁKINA 100



MIUSE 106



ORBIT 110



PETRI LED 112



PIRET LED 116



REFLEX LED 120



ROX LED 122



HUG 126



ILULED 130



TUBILINE LED 132

UPLIGHTS



BALL 136



CIND 138



CIRCLE 140



DOURO LED 142



ECLIPSE 144



REDUEXO LED 148

HIGH BAY



INDULED 154



LYSO LED 156



OVE LED 158



KLIO LED 160



SMART ECOLED 162

PROFILES



ATLANTIS LED 166



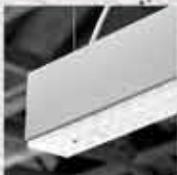
DIALINE 170



MODELUX
ECOLED 172



OPTICAL LED 174



OPTICAL
ECOLED 178



RET LED 180



WALLCORNER 184



DRY LED 186

EXTERIOR



JOTA 190



JOTA S 192



JOTA C 192



MINIATREX LED 194



MINIATREX
PISO LED 198



PROURB LED 202



TOP 3 LED 204



WALKWAY
TREE 208



Um objeto que possua beleza e originalidade está para além dos caprichos da moda.

Louis Comfort Tiffany.

An object which possesses beauty and originality goes beyond the whims of fashion.

Louis Comfort Tiffany.

Un objet à la fois beau et original n'a que faire des caprices de la mode.

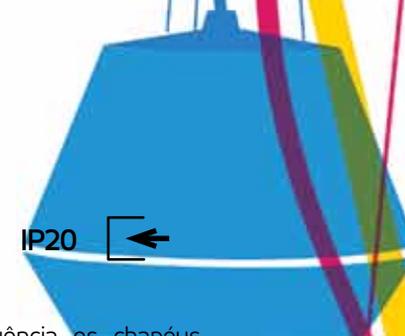
Louis Comfort Tiffany.

Design

exporlux

KASA






 230 V AC
 50Hz
 
 IP20
 

Corpo ótico em alumínio termolacado à cor.
 Estrutura e base em aço inox termolacado à cor
 na versão KASA PÉ.
 Diferentes temperaturas de cor disponíveis.
 Regulação de fluxo luminoso.

Optical body in lacquered aluminium.
 Thermo-lacquered colored stainless steel base and
 structure on KASA PÉ version.
 Available different color temperatures.
 Dimmable control.

Corps optique en aluminium thermolaqué de couleur.
 Base et structure en acier inoxydable thermolaqué coloré
 en la version KASA PÉ.
 Températures de couleurs différentes sont disponibles.
 Régulation graduables.

KASA teve como influência os chapéus
 tradicionais japoneses, conotando-se na
 junção de formas cónicas simples, resul-
 tando num design elegante e minimalista. É
 também marcado pelo feixe de luz lateral,
 criando a ilusão que o corpo ótico flutua no
 ar, proporcionando um ambiente contem-
 porâneo.

KASA design was inspired by Japanese tra-
 ditional hats which are suggested by the
 junction of simple conical shapes, resulting in
 a sleek and minimalist design. It is also char-
 acterized by the side light beam, creating the
 illusion that the optical body floats in the air,
 providing a contemporary setting.

Le design du luminaire KASA a été inspiré par
 les chapeaux traditionnels japonais qui sont
 suggérée par la jonction de formes coniques
 simples, résultant en un design élégant et
 minimaliste. Il est également caractérisé
 par un faisceau de lumière latérale, créant
 l'illusion que le corps optique flotte dans l'air,
 offrant ainsi une atmosphère contemporaine.


 branco, white, blanc
 RAL 9003

 amarelo, yellow, jaune
 RAL 1023

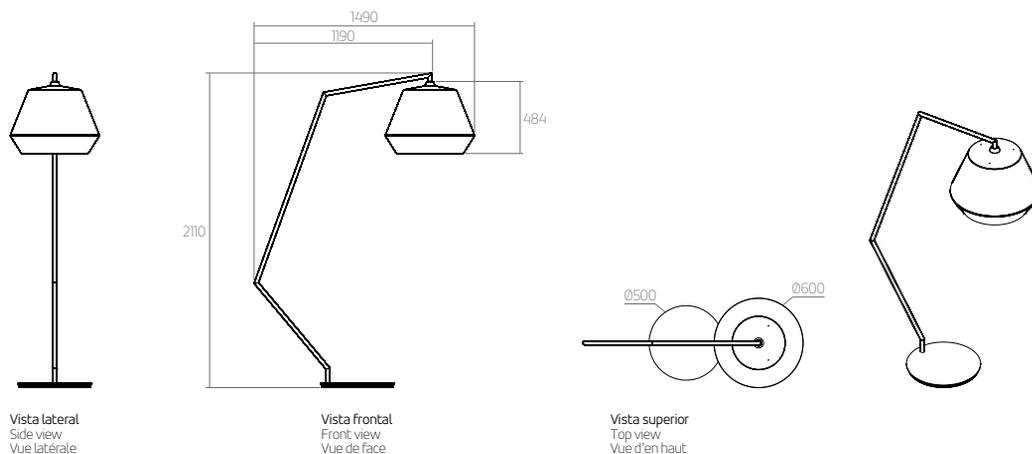
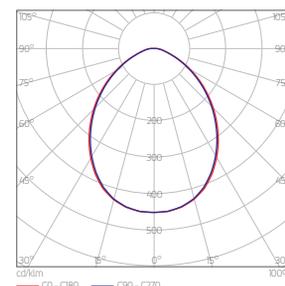




versões versions versions

	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée
MB	230V AC 50Hz	3000K 4000K	1175lm 1246lm	>80	63lm/W 66lm/W	19 W
HB	230V AC 50Hz	3000K 4000K	1669lm 1783lm	>80	48lm/W 51lm/W	34 W

Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)



	peso weight poids
KASA PÉ	39 kg

medidas em mm | dimensions in mm | dimensions en mm

detalhes details détails





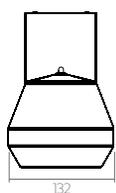
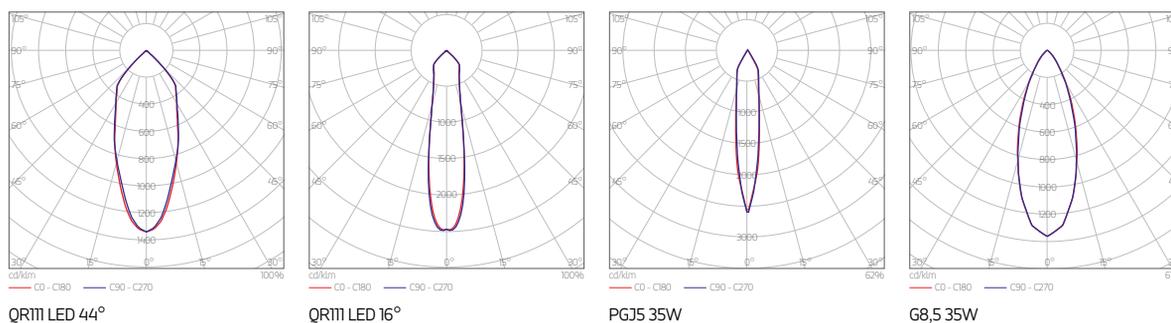
KASA



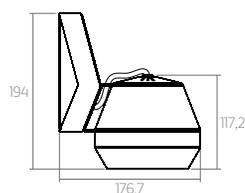
versões versions versions

	lâmpada lamp lampe	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée	ângulo abertura beam angle angle d'ouverture
1x	AR111 LED GU10	230V AC 50Hz	-	-	-	-	11 W	-
1x	QR111 G53	230V AC 50Hz	-	-	-	-	max 50 W	-
1x	HIT-TC G8,5	230V AC 50Hz	-	-	-	-	max 70 W	-
1x	HIT-TC PGJ5	230V AC 50Hz	-	-	-	-	max 35 W	-
1x	QR111 LED LB	230V AC 50Hz	3000K 4000K 5000K	1327lm 1418lm 1436lm	>80	90lm/W 96lm/W 97lm/W	15 W	44° / 16°
1x	QR111 LED MB	230V AC 50Hz	2700K 3000K	1036lm 1073lm	>90	70lm/W 73lm/W		
1x	QR111 LED MB	230V AC 50Hz	3000K 4000K 5000K	1769lm 1890lm 1914lm	>80	84lm/W 89lm/W 91lm/W	21 W	44° / 16°
1x	QR111 LED MB	230V AC 50Hz	2700K 3000K	1381lm 1430lm	>90	65lm/W 68lm/W		

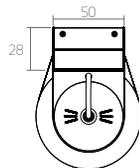
Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)



Vista frontal
Front view
Vue de face



Vista lateral
Side view
Vue latérale



Vista superior
Top view
Vue d'en haut



peso
weight
poids

KASA

0,6 kg

medidas em mm | dimensions in mm | dimensions en mm

opcionais/acessórios optional/accessories optionnel/accessoires



calha | track | rail



reflector
reflector
reflecteur
44°



reflector
reflector
reflecteur
16°



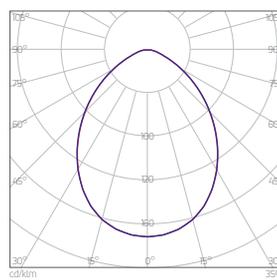
KASA M



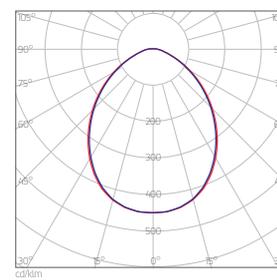
versões versions versions

		lâmpada lamp lampe	alimentação supply alimentation	temperatura de cor color temperature température couleur	fluxo luminoso luminous flux flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée
	3 x	TC-DEL	230V AC 50Hz	-	-	-	-	51 W
SMALL KASA M	1 x	LED LB	230V AC 50Hz	3000K 4000K	488lm 506lm	>80	38lm/W 40lm/W	13 W
	1 x	LED HB	230V AC 50Hz	3000K 4000K	656lm 675lm	>80	36lm/W 37lm/W	18 W

Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)

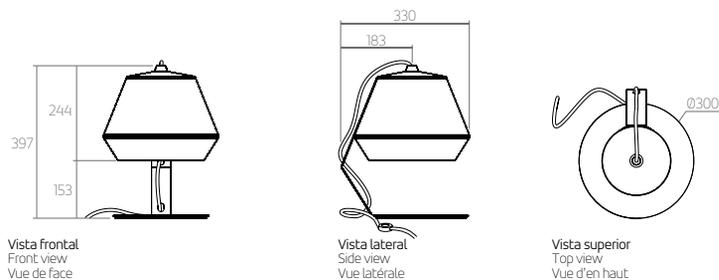


TC-DEL



LED HB

SMALL KASA M



Vista frontal
Front view
Vue de face

Vista lateral
Side view
Vue latérale

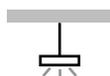
Vista superior
Top view
Vue d'en haut

	peso weight poids
SMALL KASA M	5,5 kg

medidas em mm | dimensions in mm | dimensions en mm



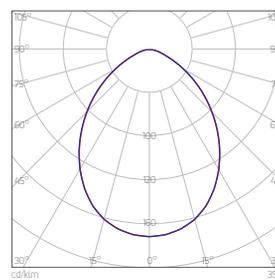
KASA S



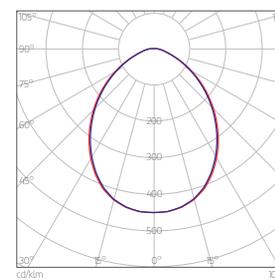
versões versions versions

		lâmpada lamp lampe	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous flux flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée
SMALL KASA S	3 x	TC-DEL E27	230V AC 50Hz	-	-	-	-	51 W
	1 x	LED LB	230V AC 50Hz	3000K 4000K	488lm 506lm	>80	38lm/W 40lm/W	13 W
	1 x	LED HB	230V AC 50Hz	3000K 4000K	656lm 675lm	>80	36lm/W 37lm/W	18 W
LARGE KASA S	1 x	LED LB	230V AC 50Hz	3000K 4000K	1175lm 1246lm	>80	63lm/W 66lm/W	19 W
	1 x	LED HB	230V AC 50Hz	3000K 4000K	1669lm 1763lm	>80	48lm/W 51lm/W	34 W

Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)

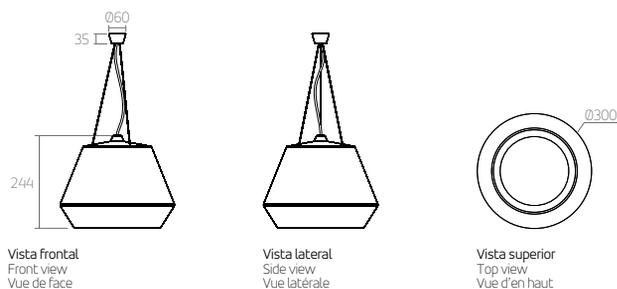


TC-DEL



LED HB

SMALL KASA S

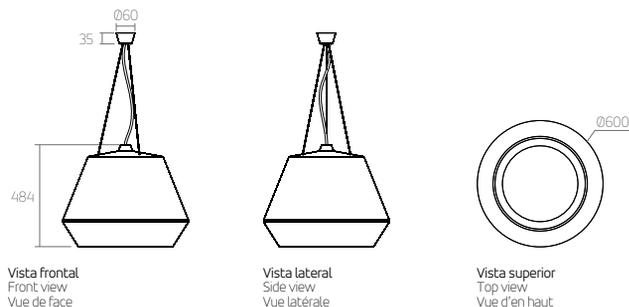


Vista frontal
Front view
Vue de face

Vista lateral
Side view
Vue latérale

Vista superior
Top view
Vue d'en haut

LARGE KASA S



Vista frontal
Front view
Vue de face

Vista lateral
Side view
Vue latérale

Vista superior
Top view
Vue d'en haut

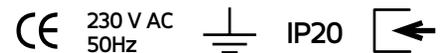
	peso weight poids
SMALL KASA S	2,2 kg
LARGE KASA S	7,5 kg

medidas em mm | dimensions in mm | dimensions en mm



LAMP COLLECTION

Arqt.º Paulo Seco



A LAMP COLLECTION S,M,L é formada por um conjunto de três candeeiros, produzidos com um fino perfil de alumínio onde foi inserida uma linha de led's. Cada candeeiro tem um uso distinto e por isso tamanhos diferentes. LARGE é um candeeiro de pé, com iluminação direcionada para cima, em que a luz será difundida indiretamente.

MEDIUM é um candeeiro de iluminação mais informal, para situações de leitura num cadeirão ou num sofá.

SMALL é um candeeiro de mesa com uma iluminação focalizada no local de trabalho.

The LAMP COLLECTION S, M, L consists of a set of three lamps produced with a thin aluminum profile which is inserted a row of LED's. Each lamp has a distinct use and therefore different sizes.

LARGE is a floor lamp, with light directed upwards, where the light will be diffused indirectly.

MEDIUM is a more informal lamp lighting for reading situations an armchair or sofa.

SMALL is a table lamp with a focused workplace lighting.

La LAMP COLLECTION S, M, L se compose d'un ensemble de trois lampes produites avec un profil mince d'aluminium qui est insérée une rangée de LED. Chaque lampe a une utilisation distincte et donc différentes tailles.

GRAND est un lampadaire, avec la lumière dirigée vers le haut, où la lumière sera diffusée indirectement.

MEDIUM est une lampe d'éclairage plus informel pour les situations de lecture d'un fauteuil ou un canapé.

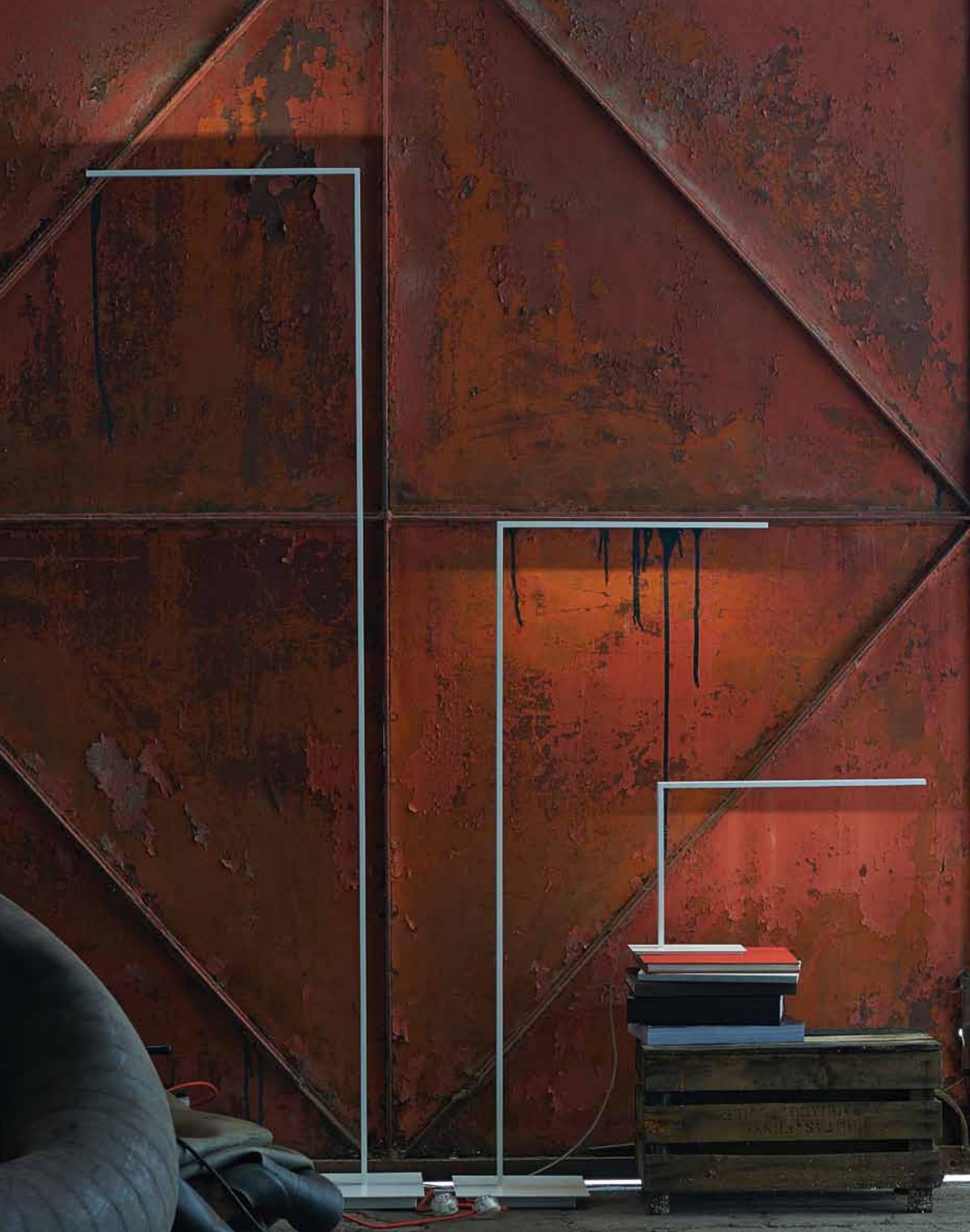
SMALL est une lampe de table avec un éclairage focalisé en milieu de travail.

Iluminação direta (S e M) e indireta (L).
Estrutura e base em alumínio termolacado à cor.
Difusor em policarbonato transparente.
Diferentes temperaturas de cor disponíveis.

Direct (S and M) and indirect (L) lighting.
Thermo-laquered colored aluminum structure and base.
Transparent polycarbonate diffuser.
Available different color temperatures.

Éclairage direct (S et M) et indirect (L).
Structure et base en aluminium thermolaqué coloré.
Diffuseur en polycarbonate transparent.
Températures de couleurs différentes sont disponibles.

	preto, black, noir RAL 9011
	branco, white, blanc RAL 9003
	alumínio, aluminum, aluminium RAL 9006
	antracite, anthracite, anthracite RAL 7016





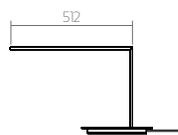
LAMP COLLECTION

versões versions versions

	alimentação supply alimentation	temperatura de cor color temperature température couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée
LED	230V AC 50Hz	3000K 4000K 5000K	490lm 525lm 525lm	>85	28lm/W 30lm/W 30lm/W	17 W

Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)

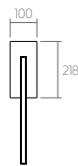
LAMP COLLECTION S



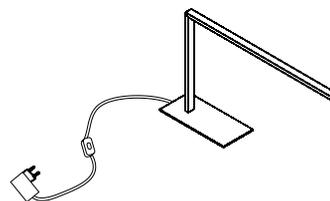
Vista lateral
Side view
Vue latérale



Vista frontal
Front view
Vue de face



Vista superior
Top view
Vue d'en haut



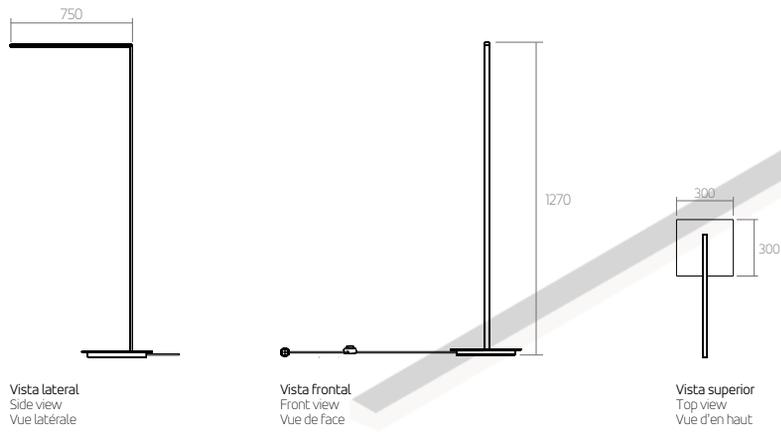
	peso weight poids
LAMP COLLECTION S	0,8 kg
LAMP COLLECTION M	1,5 kg
LAMP COLLECTION L	2,1 kg

medidas em mm | dimensions in mm | dimensions en mm

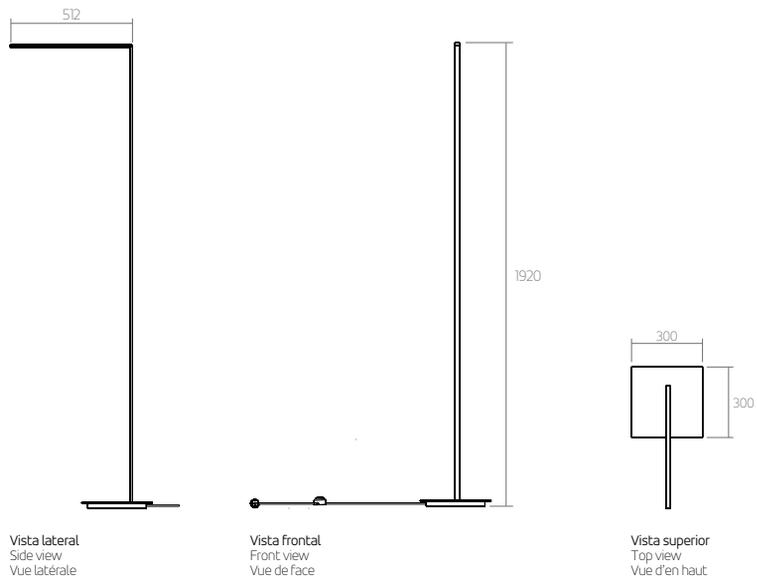
detalhes details détails

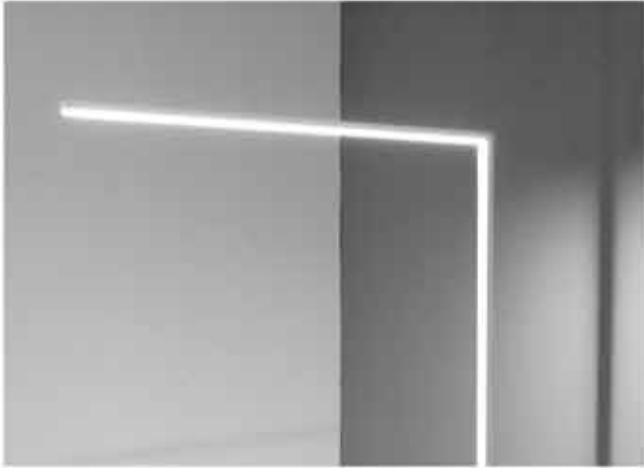


LAMP COLLECTION M



LAMP COLLECTION L







TUGA

CE 230 V AC
50Hz  IP20 

O equipamento TUGA reflete a inspiração retro dos anos 40, 50 e 60 conjugado com atuais tecnologias existentes no mercado.

The TUGA equipment reflects the inspiration of the 40, 50 and 60 years in conjunction with current technologies on the market.

L'équipement TUGA reflète l'inspiration rétro de les ans 40, 50 et 60 en conjonction avec les technologies actuelles sur le marché.

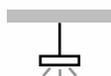
Montagem suspensa.
Iluminação direta.
Corpo em alumínio termolacado com duas cores a tinta líquida.
Diferentes temperaturas de cor disponíveis.

Suspended mounted.
Direct lighting.
Aluminium body painted with two liquid ink colors.
Available different color temperatures..

Montage en suspension.
Éclairage direct.
Corps en aluminium thermolaqué avec deux couleurs d'encre liquide.
Températures de couleurs différentes sont disponibles.

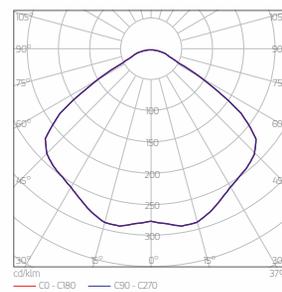
-  preto, black, noir
RAL 9011
-  branco, white, blanc
RAL 9003
-  alumínio, aluminum, aluminium
RAL 9006
-  antracite, anthracite, anthracite
RAL 7016

TUGA

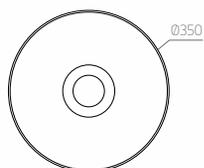


versões versions versions

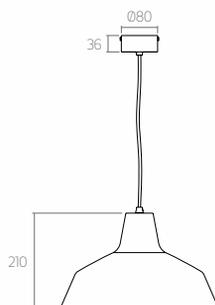
	lâmpada lamp lampe	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	potência entrada input power puissance d'entrée
1 x 	TC-DEL	230V AC 50Hz	2200K 2700K	11 W



TC-DEL 11 W



Vista inferior
Bottom view
Vue de dessous



Vista lateral
Side view
Vue latérale

peso
weight
poids

montagem saliente
surface mounting
montage saillant

0,7 kg

medidas em mm | dimensions in mm | dimensions en mm

detalhes details détails



Cor interior : branco
Interior color : white
Couleur intérieure : blanc

Cor exterior : a pedido
Exterior color : on request
Couleur extérieure : sur demande



As novas gamas apresentadas têm por base de desenvolvimento, a inspiração em diferentes conceitos que, por si, podem preencher na totalidade as necessidades de iluminação de qualquer espaço.

The new lines being presented have been developed based on inspirations from different concepts which themselves are able to completely fulfill the lighting needs of any space.

Le développement des nouvelles gammes présentées s'inspire de différents concepts qui peuvent, à eux seuls, répondre entièrement aux besoins d'éclairage en tous lieux.

exporlux



convert

A gama Convert é uma linha criada de raiz para fazer a diferença! É um desenvolvimento pensado para satisfazer a maioria das necessidades de iluminação em qualquer espaço. A sua construção é desenhada a pensar nos mais exigentes requisitos técnicos ao nível de IP, fotometria, instalação e eficiência energética.

Herda a tecnologia convencional, contudo, consente um constante upgrade a nível da tecnologia LED, permitindo que o mesmo seja feito a baixo custo, sem que para isso seja necessário adquirir um novo produto.

As novas luminárias Convert são ainda o reflexo de uma atenta preocupação com os detalhes técnicos e funcionais, proporcionando uma interação com o utilizador do espaço, pela sua comodidade de metamorfose.

Convert lighting collection is a line created from scratch to make a difference!

It is a project development designed to satisfy most needs of lighting in any space. Its construction is designed to contemplate the most demanding technical IP level, photometry, installation and energy efficiency requirements.

Inherits the conventional technology, however, allows a continual upgrade of LED technology level, also allowing to be manufactured at low cost, without being necessary to purchase a new product.

The new fixtures Convert furthermore reflect a careful concern for technical and functional details, providing an interaction between user and space, due to its ease of metamorphosis.

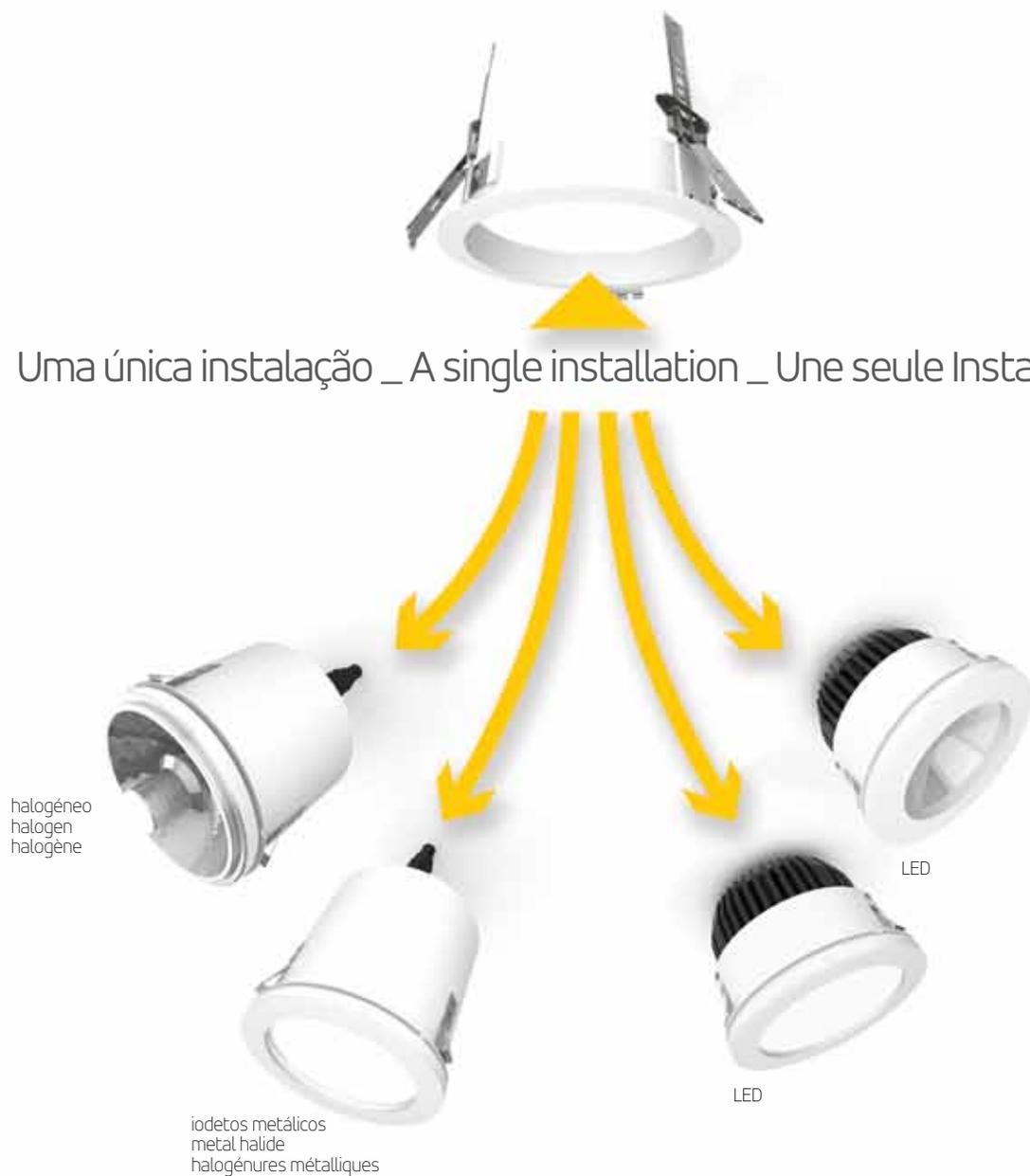
La gamme Convert est une ligne créée à partir de zéro pour faire la différence!

Il s'agit d'un développement conçu pour répondre à la plupart des besoins d'éclairage dans n'importe quel espace. Sa construction a été conçue pour les plus exigeantes conditions techniques au niveau IP, photométrie, d'installation et d'efficacité énergétique.

Ella hérite de la technologie conventionnelle, permettant cependant une constante mise à jour au niveau de la technologie LED, et être produite à bas coût, sans qu'il soit nécessaire d'acheter un nouveau produit.

Les nouveaux luminaires Convert sont aussi reflet d'une soigneuse préoccupation aux détails techniques et fonctionnels, permettant une interaction avec l'utilisateur de l'espace, en raison de sa facilité de métamorphose.

Uma única instalação _ A single installation _ Une seule Installation



Quatro módulos óticos intercambiáveis
Four interchangeable optical modules
Quatre modules optiques interchangeables

CONVERT Easy to change





SMALL CONVERT E

CE 230 V AC
50Hz

IP20



O equipamento SMALL CONVERT E foi desenhado para a iluminação de espaços interiores, assegurando uma elevada qualidade lumínica, reduzindo encandeamento e tendo a opção de recorrer a tecnologia LED de elevado desempenho.

The SMALL CONVERT E equipment was designed for interior lighting spaces, ensuring lumen output high quality, reducing glare and using LED technology for high performance.

L'équipement SMALL CONVERT E a été conçu pour l'éclairage des espaces intérieurs, en veillant à une lumière de haute qualité, réduisant l'éblouissement et utilisant la technologie LED de haut performance.

Montagem encastrada.
Iluminação direta.
Corpo principal em alumínio.
Aro de remate em alumínio termolacado à cor.
Equipamento de alimentação incorporado.
Diferentes temperaturas de cor disponíveis.
Elevado índice de restituição cromática (Ra>80).

Recessed mounted.
Direct lighting.
Aluminum main body.
Thermo-laquered colored aluminum ring.
Built-in control gear.
Available different color temperatures.
High chromatic restitution index (Ra >80).

Montage encastré.
Éclairage direct.
Corps principale en aluminium.
Anneau en aluminium coloré.
Équipement incorporé.
Températures de couleurs différentes sont disponibles.
Indice de restitution chromatique (Ra >80) élevé.

	preto, black, noir RAL 9011
	branco, white, blanc RAL 9003
	alumínio, aluminum, aluminium RAL 9006
	antracite, anthracite, anthracite RAL 7016

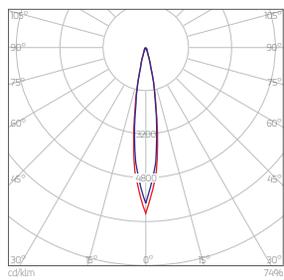


SMALL CONVERT E

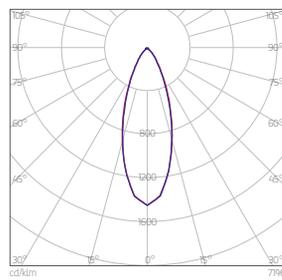
versões versions versions

	lâmpada lamp lampe	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée	ângulo abertura beam angle angle d'ouverture		
SMALL CONVERT E 1										
	IP20	1x	HIT11	230V AC 50Hz	-	-	max 70 W	-		
	IP20	1x	QR11	230V AC 50Hz	-	-	max 75 W	-		
SMALL CONVERT E 2										
	IP54 ao nível do aró at ring level au niveau de l'anneau	1x	HIT-TC	230V AC 50Hz	-	-	max 70 W	16° / 36°		
SMALL CONVERT E 3										
	IP54 ao nível do aró at ring level au niveau de l'anneau	1x	LED LB	230V AC 50Hz	3000K 4000K 5000K	1052lm 1123lm 1138lm	>80	71lm/W 76lm/W 77lm/W	15 W	-
	IP54 ao nível do aró at ring level au niveau de l'anneau	1x	LED MB	230V AC 50Hz	3000K 4000K 5000K	1402lm 1498lm 1517lm	>80	66lm/W 71lm/W 72lm/W	21 W	-
	IP54 ao nível do aró at ring level au niveau de l'anneau	1x	LED HB	230V AC 50Hz	3000K 4000K 5000K	1869lm 1997lm 2022lm	>80	63lm/W 67lm/W 68lm/W	30 W	-
SMALL CONVERT E 4										
	IP54 ao nível do aró at ring level au niveau de l'anneau	1x	LED LB	230V AC 50Hz	3000K 4000K 5000K	1282lm 1369lm 1387lm	>80	87lm/W 93lm/W 94lm/W	15 W	44° / 16°
	IP54 ao nível do aró at ring level au niveau de l'anneau	1x	LED MB	230V AC 50Hz	3000K 4000K 5000K	1708lm 1825lm 1849lm	>80	81lm/W 86lm/W 87lm/W	21 W	44° / 16°
	IP54 ao nível do aró at ring level au niveau de l'anneau	1x	LED HB	230V AC 50Hz	3000K 4000K 5000K	2278lm 2434lm 2465lm	>80	77lm/W 82lm/W 83lm/W	30 W	44° / 16°

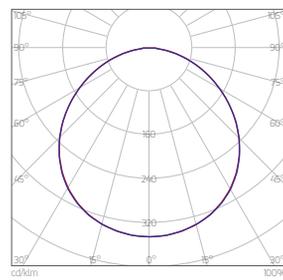
Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)



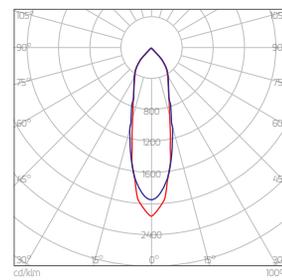
SMALL CONVERT E 2 16°



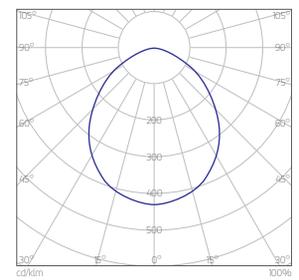
SMALL CONVERT E 2 36°



SMALL CONVERT E 3



SMALL CONVERT E 4 16°



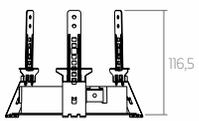
SMALL CONVERT E 4 44°



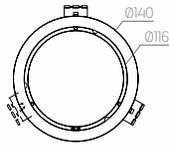
PRÉ-ARO | RECESSING RING | CADRE



com aro | with frame | avec anneau



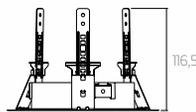
Vista frontal
Front view
Vue de face



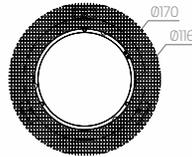
Vista inferior
Bottom view
Vue inférieure



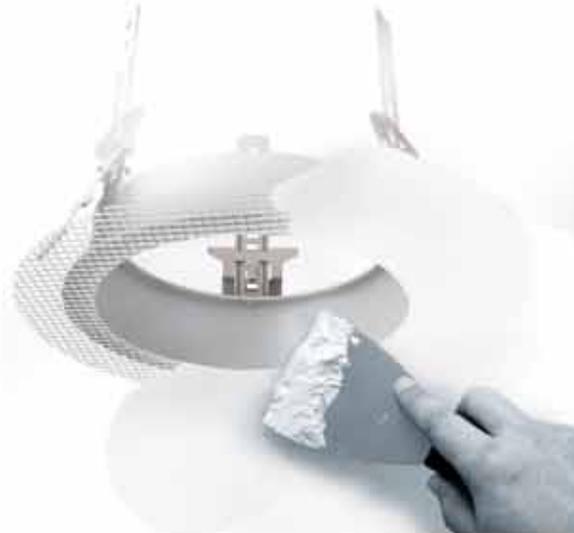
Pré-aro sem aro | Recessing ring without frame | Cadre sans anneau



Vista frontal
Front view
Vue de face



Vista inferior
Bottom view
Vue inférieure

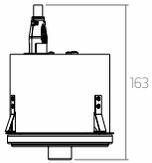


	peso weight poids
Pré-aro Recessing Ring Cadre	0,5 kg
SMALL CONVERT E 1	0,3 kg
SMALL CONVERT E 2	0,3 kg
SMALL CONVERT E 3	0,5 kg
SMALL CONVERT E 4	0,6 kg

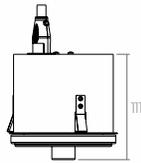


medidas em mm | dimensions in mm | dimensions en mm

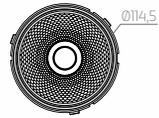
SMALL CONVERT E 1



Vista frontal
Front view
Vue de face



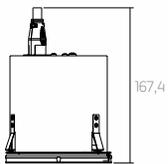
Vista lateral
Side view
Vue latérale



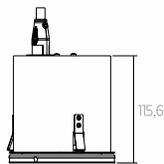
Vista inferior
Bottom view
Vue inférieure



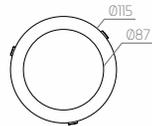
SMALL CONVERT E 2



Vista frontal
Front view
Vue de face



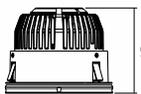
Vista lateral
Side view
Vue latérale



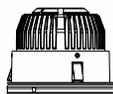
Vista inferior
Bottom view
Vue inférieure



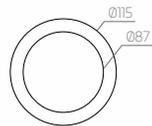
SMALL CONVERT E 3



Vista frontal
Front view
Vue de face



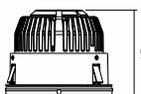
Vista lateral
Side view
Vue latérale



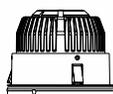
Vista inferior
Bottom view
Vue inférieure



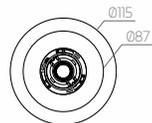
SMALL CONVERT E 4



Vista frontal
Front view
Vue de face



Vista lateral
Side view
Vue latérale



Vista inferior
Bottom view
Vue inférieure



PRÉ-ARO
RECESSING RING
CADRE



MÓDULO ÓTICO
OPTICAL MODULE
MODULE OPTIQUE



ARO REMATE
FRAME
CADRE



SMALL CONVERT S

CE 230 V AC 50Hz  IP20 

O equipamento SMALL CONVERT S foi desenhado para a iluminação de espaços interiores, assegurando uma elevada qualidade lumínica, reduzindo encandeamento e tendo a opção de recorrer a tecnologia LED de elevado desempenho.

The SMALL CONVERT S equipment was designed for interior lighting spaces, ensuring lumen output high quality, reducing glare and using LED technology for high performance.

L'équipement SMALL CONVERT S a été conçu pour l'éclairage des espaces intérieurs, en veillant à une lumière de haute qualité, réduisant l'éblouissement et utilisant la technologie LED de haut performance.

Montagem saliente.
Iluminação direta.
Corpo principal em alumínio.
Equipamento de alimentação incorporado.
Diferentes temperaturas de cor disponíveis.
Elevado índice de restituição cromática (Ra>80) (opção).

Surface mounted.
Direct lighting.
Aluminum main body.
Built-in control gear.
Available different color temperatures.
High chromatic restitution index (Ra >80) (option).

Montage en surface.
Éclairage direct.
Corps principale en aluminium.
Équipement incorporé.
Températures de couleurs différent sont disponibles.
Indice de restitution chromatique (Ra >80) élevé (optionnel).

-  preto, black, noir
RAL 9011
-  branco, white, blanc
RAL 9003
-  alumínio, aluminum, aluminium
RAL 9006
-  antracite, anthracite, anthracite
RAL 7016

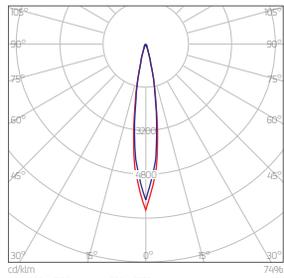


SMALL CONVERT S

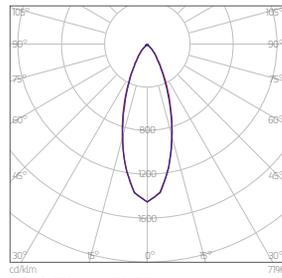
versões versions versions

		lâmpada lamp lampe	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée	ângulo abertura beam angle angle d'ouverture
SMALL CONVERT S 1	1x	HIRIII	230V AC 50Hz	-	-	-	-	max 35 W	-
	1x	QRIII	230V AC 50Hz	-	-	-	-	max 50 W	-
SMALL CONVERT S 2	1x	HIT-TC	230V AC 50Hz	-	-	-	-	max 35 W	16° / 36°
SMALL CONVERT S 3	1x	LED LB	230V AC 50Hz	3000K 4000K 5000K	1052lm 1123lm 1138lm	>80	71lm/W 76lm/W 77lm/W	15 W	-
	1x	LED MB	230V AC 50Hz	3000K 4000K 5000K	1402lm 1498lm 1517lm	>80	62lm/W 66lm/W 71lm/W	21 W	-
	1x	LED HB	230V AC 50Hz	3000K 4000K 5000K	1869lm 1997lm 2022lm	>80	59lm/W 63lm/W 67lm/W	30 W	-
SMALL CONVERT S 4	1x	LED LB	230V AC 50Hz	3000K 4000K 5000K	1282lm 1369lm 1387lm	>80	87lm/W 93lm/W 94lm/W	15 W	44° / 16°
	1x	LED MB	230V AC 50Hz	2700K 3000K	1001lm 1036lm	>90	68lm/W 70lm/W		
	1x	LED MB	230V AC 50Hz	3000K 4000K 5000K	1708lm 1825lm 1849lm	>80	81lm/W 86lm/W 87lm/W	21 W	44° / 16°
	1x	LED HB	230V AC 50Hz	2700K 3000K	1334lm 1381lm	>90	63lm/W 65lm/W		
	1x	LED HB	230V AC 50Hz	3000K 4000K 5000K	2278lm 2434lm 2465lm	>80	77lm/W 82lm/W 83lm/W	30 W	44° / 16°
	1x	LED HB	230V AC 50Hz	2700K 3000K	1778lm 1841lm	>90	60lm/W 62lm/W		

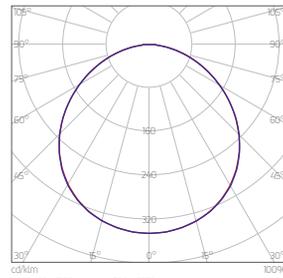
Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)



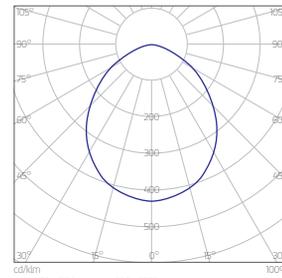
SMALL CONVERT S 2 16°



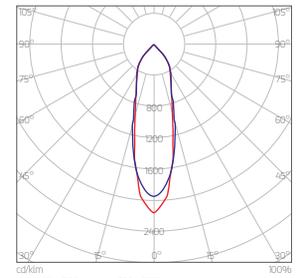
SMALL CONVERT E 2 36°



SMALL CONVERT S 3

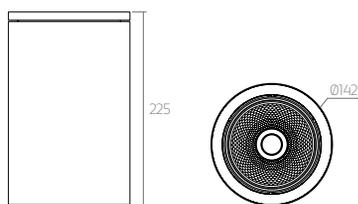


SMALL CONVERT S 4 44°



SMALL CONVERT S 4 16°

SMALL CONVERT S 1

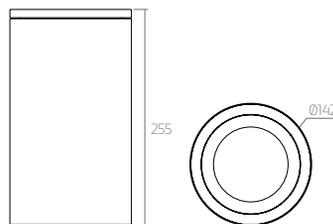


Vista frontal
Front view
Vue de face

Vista inferior
Bottom view
Vue inférieure



SMALL CONVERT S 2 / 3 / 4



Vista frontal
Front view
Vue de face

Vista inferior
Bottom view
Vue inférieure



peso
weight
poids

SMALL CONVERT S 1 0,83 kg

SMALL CONVERT S 2/3/4 0,96 kg

medidas em mm | dimensions in mm | dimensions en mm





TITÂNIO LED



O equipamento TITÂNIO LED foi desenhado para a iluminação de espaços interiores, assegurando uma elevada qualidade lumínica, reduzindo encandeamiento e recorrendo a tecnologia LED de elevado desempenho.

The TITÂNIO LED equipment was designed for interior lighting spaces, ensuring lumen output high quality, reducing glare and using LED technology for high performance.

L'équipement TITÂNIO LED a été conçu pour l'éclairage des espaces intérieurs, en veillant à une lumière de haute qualité, réduisant l'éblouissement et utilisant la technologie LED de haut performance.

Montagem encastrada.
Iluminação direta.
Corpo principal em alumínio.
Aro de remate em aço termolacado à cor ou aço inox.
Equipamento de alimentação incorporado.
Diferentes temperaturas de cor disponíveis.
Elevado índice de restituição cromática (Ra>80).

Recessed mounted.
Direct lighting.
Aluminum main body.
Thermo-laquered colored steel or stainless steel ring.
Built-in control gear.
Available different color temperatures.
High chromatic restitution index (Ra>80).

Montage encastré.
Éclairage direct.
Corps principale en aluminium.
Anneau en acier thermolaqué coloré ou acier inoxydable.
Équipement incorporé.
Températures de couleurs différentes sont disponibles.
Indice de restitution chromatique (Ra>80) élevé.

	preto, black, noir RAL 9011
	branco, white, blanc RAL 9003
	aluminio, aluminum, aluminium RAL 9006
	antracite, anthracite, anthracite RAL 7016

[1] ao nível do aro | at ring level | au niveau de l'anneau

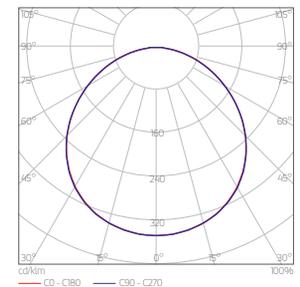


TITÂNIO LED

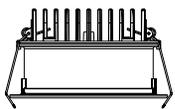
versões versions versions

	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée
LB	230V AC 50Hz	3000K 4000K 5000K	1077lm 1121lm 1183lm	>80	66lm/W 68lm/W 73lm/W	16,5 W
MB	230V AC 50Hz	3000K 4000K 5000K	1369lm 1422lm 1498lm	>80	68lm/W 71lm/W 74lm/W	20,4 W
HB	230V AC 50Hz	3000K 4000K 5000K	1922lm 2021lm 2109lm	>80	68lm/W 72lm/W 75lm/W	28,5 W
UB	230V AC 50Hz	3000K 4000K 5000K	2681lm 2874lm 2954lm	>80	67lm/W 72lm/W 74lm/W	40,7 W

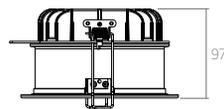
Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)



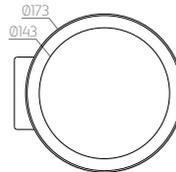
TITÂNIO LED
simétrico | symmetric / symétrique



Vista lateral
Side view
Vue latérale



Vista frontal
Front view
Vue de face



Vista inferior
Bottom view
Vue de dessous

peso
weight
poids

TITÂNIO LED

1,4 kg

Ø160

medidas em mm | dimensions in mm | dimensions en mm









EZEX LED



O equipamento EZEX LED foi desenhado para a iluminação de espaços interiores, assegurando uma elevada qualidade lumínica, reduzindo encandeamento e recorrendo a tecnologia LED de elevado desempenho.

The EZEX LED equipment was designed for interior lighting spaces, ensuring lumen output high quality, reducing glare and using LED technology for high performance.

L'équipement EZEX LED a été conçu pour l'éclairage des espaces intérieurs, en veillant à une lumière de haute qualité, réduisant l'éblouissement et utilisant la technologie LED de haut performance.

Montagem encastrada.
Iluminação direta.
Corpo principal em alumínio.
Aro de remate em aço termolacado à cor ou aço inox.
Equipamento de alimentação incorporado.
Diferentes temperaturas de cor disponíveis.
Elevado índice de restituição cromática (Ra>80).

Recessed mounted.
Direct lighting.
Aluminum main body.
Thermo-laquered colored steel or stainless steel ring.
Built-in control gear.
Available different color temperatures.
High chromatic restitution index (Ra>80).

Montage encastré.
Éclairage direct.
Corps principale en aluminium.
Anneau en acier thermolaqué coloré ou acier inoxydable.
Équipement incorporé.
Températures de couleurs différentes sont disponibles.
Indice de restitution chromatique (Ra>80) élevé.

	preto, black, noir RAL 9011
	branco, white, blanc RAL 9003
	aluminio, aluminum, aluminium RAL 9006
	antracite, anthracite, anthracite RAL 7016

[1] ao nível do aro | at ring level | au niveau de l'anneau

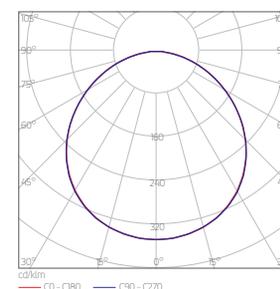


EZEX LED

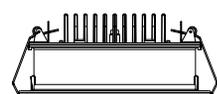
versões versions versions

	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée
LB	230V AC 50Hz	3000K 4000K 5000K	1077lm 1121lm 1183lm	>80	66lm/W 68lm/W 73lm/W	16,5 W
MB	230V AC 50Hz	3000K 4000K 5000K	1369lm 1422lm 1498lm	>80	68lm/W 71lm/W 74lm/W	20,4 W
HB	230V AC 50Hz	3000K 4000K 5000K	1922lm 2021lm 2109lm	>80	68lm/W 72lm/W 75lm/W	28,5 W
UB	230V AC 50Hz	3000K 4000K 5000K	2681lm 2874lm 2954lm	>80	67lm/W 72lm/W 74lm/W	40,7 W

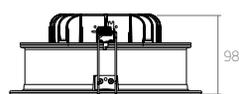
Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)



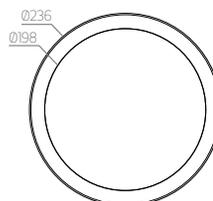
EZEX LED
simétrico | symmetric / symétrique



Vista lateral
Side view
Vue latérale



Vista frontal
Front view
Vue de face



Vista inferior
Bottom view
Vue de dessous

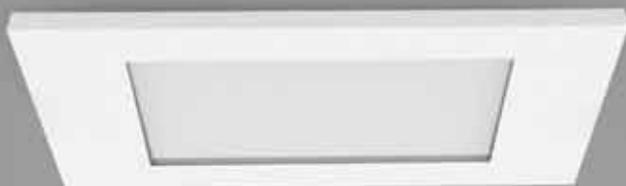
peso
weight
poids

EZEX LED 1,4 kg

Ø215

medidas em mm | dimensions in mm | dimensions en mm





APOLO TV LED



O equipamento APOLO TV LED foi desenhado para a iluminação de espaços interiores, assegurando uma elevada qualidade lumínica, reduzindo encandeamento e recorrendo a tecnologia LED de elevado desempenho.

The APOLO TV LED luminaire was designed for interior spaces, assuring high lighting performance, reducing glare and using high performance LED technology.

L'équipement APOLO TV LED a été conçu pour l'éclairage des espaces intérieurs, assurant un éclairage d' haute performance, réduisant l'éblouissement et utilisant la technologie LED haute performance.

Montagem encastrada.
Iluminação direta.
Corpo principal em policarbonato.
Aro de remate em chapa de aço termolacado à cor ou aço inox.
Equipamento de alimentação incorporado.
Diferentes temperaturas de cor disponíveis.
Elevado índice de restituição cromática (Ra>80).

Recessed mounted.
Direct lighting.
Polycarbonate main body.
Thermo-laquered colored steel or stainless steel ring.
Built-in control gear.
Available different color temperatures.
High chromatic restitution index (Ra >80).

Montage encastré.
Éclairage direct.
Corps principale en polycarbonate.
Anneau en acier thermolaqué coloré ou acier inoxydable.
Équipement incorporé.
Températures de couleurs différentes sont disponibles.
Indice de restitution chromatique élevé (Ra >80) .

	preto, black, noir RAL 9011
	branco, white, blanc RAL 9003
	aluminio, aluminum, aluminium RAL 9006
	antracite, anthracite, anthracite RAL 7016
	aço inox, stainless steel, acier inoxydable

[1] ao nível do aro | at ring level | au niveau de l'anneau

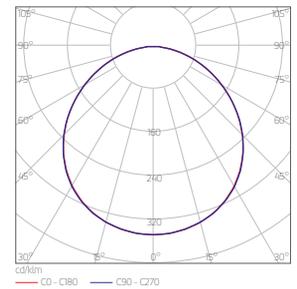


APOLO IV LED

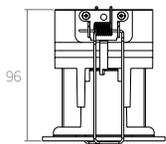
versões versions versions

	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée
LB	230V AC 50Hz	3000K 4000K 5000K	311lm 318lm 339lm	>80	70lm/W 72lm/W 77lm/W	4,5 W
MB	230V AC 50Hz	3000K 4000K 5000K	461lm 471lm 504lm	>80	70lm/W 72lm/W 76lm/W	6,7 W
HB	230V AC 50Hz	3000K 4000K 5000K	608lm 628lm 665lm	>80	69lm/W 71lm/W 75lm/W	8,9 W

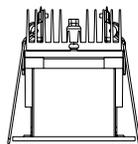
Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)



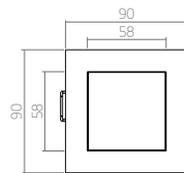
APOLO IV LED
simétrico | symmetric / symétrique



Vista lateral
Side view
Vue latérale



Vista frontal
Front view
Vue de face



Vista inferior
Bottom view
Vue de dessous

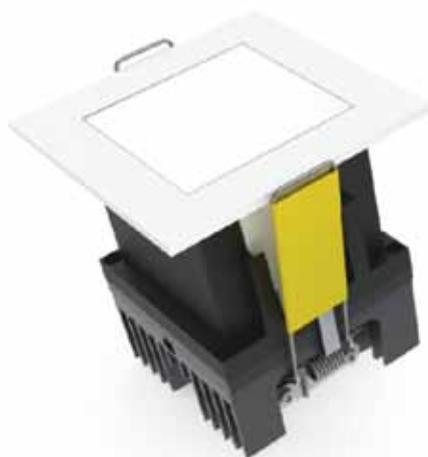
peso
weight
poids

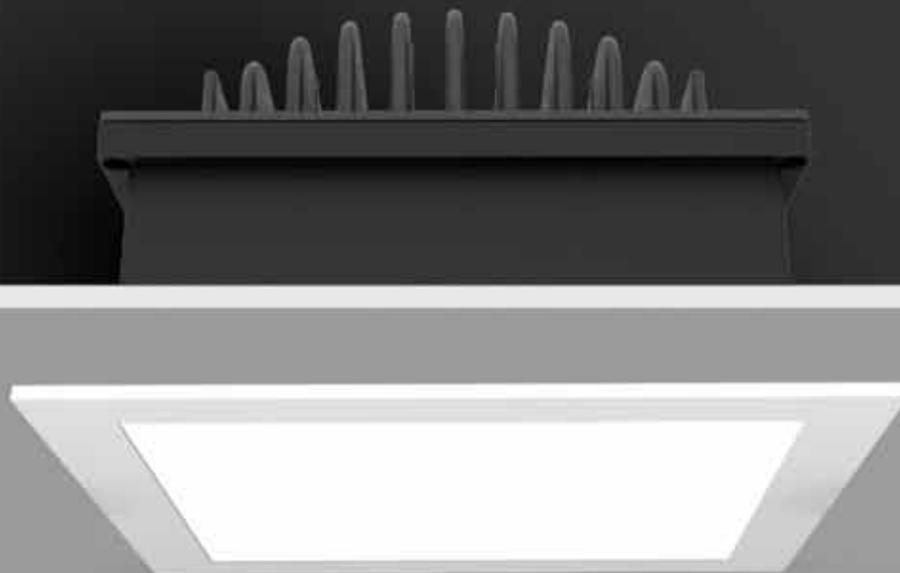
APOLO IV LED

0,48 kg

76x76

medidas em mm | dimensions in mm | dimensions en mm





TITÂNIO Q LED



O equipamento TITÂNIO Q LED foi desenhado para a iluminação de espaços interiores, assegurando uma elevada qualidade lumínica, reduzindo encandeamento e recorrendo a tecnologia LED de elevado desempenho.

The TITÂNIO Q LED luminaire was designed for interior spaces, assuring high lighting performance, reducing glare and using high performance LED technology.

L'équipement TITÂNIO Q LED a été conçu pour l'éclairage des espaces intérieurs, assurant un éclairage d' haute performance, réduisant l'éblouissement et utilisant la technologie LED haute performance.

Montagem encastrada.
Iluminação direta.
Corpo principal em policarbonato.
Aro de remate em aço termolacado à cor ou aço inox.
Equipamento de alimentação incorporado.
Diferentes temperaturas de cor disponíveis.
Elevado índice de restituição cromática (Ra>80).

Recessed mounted.
Direct lighting.
Polycarbonate main body.
Thermo-laquered colored steel or stainless steel ring.
Built-in control gear.
Available different color temperatures.
High chromatic restitution index (Ra>80).

Montage encastré.
Éclairage direct.
Corps principale en polycarbonate.
Anneau en acier thermolaqué coloré ou acier inoxydable.
Équipement incorporé.
Températures de couleurs différentes sont disponibles.
Indice de restitution chromatique élevé (Ra>80).

	preto, black, noir RAL 9011
	branco, white, blanc RAL 9003
	aluminio, aluminum, aluminium RAL 9006
	antracite, anthracite, anthracite RAL 7016
	aço inox, stainless steel, acier inoxydable

[1] ao nível do aro | at ring level | au niveau de l'anneau

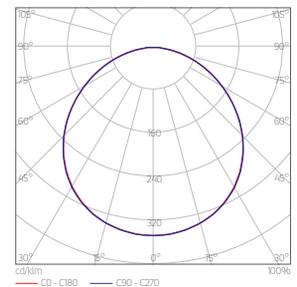


TITÂNIO Q LED

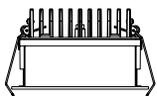
versões versions versions

	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous flux flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée
LB	230V AC 50Hz	3000K 4000K 5000K	1070lm 1105lm 1176lm	>80	65lm/W 67lm/W 72lm/W	16,5 W
MB	230V AC 50Hz	3000K 4000K 5000K	1361lm 1414lm 1489lm	>80	67lm/W 70lm/W 73lm/W	20,4 W
HB	230V AC 50Hz	3000K 4000K 5000K	1911lm 2009lm 2097lm	>80	67lm/W 71lm/W 74lm/W	28,5 W
UB	230V AC 50Hz	3000K 4000K 5000K	2665lm 2857lm 2937lm	>80	66lm/W 71lm/W 73lm/W	40,7 W

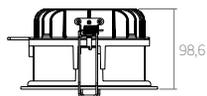
Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)



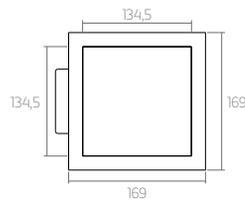
TITÂNIO Q LED
simétrico | symmetric / symétrique



Vista lateral
Side view
Vue latérale



Vista frontal
Front view
Vue de face



Vista inferior
Bottom view
Vue de dessous

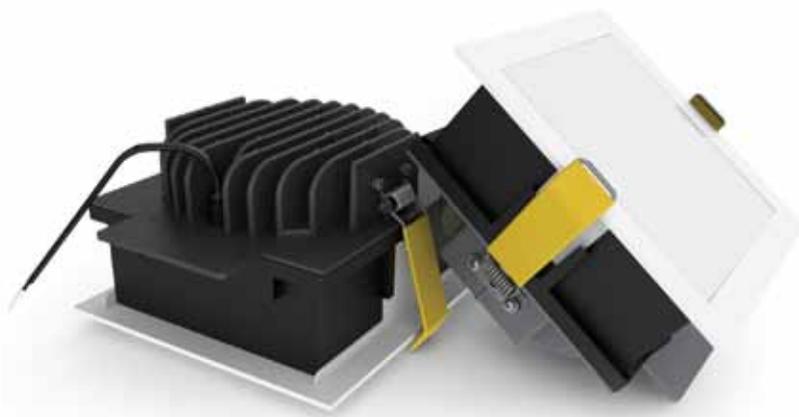
peso
weight
poids

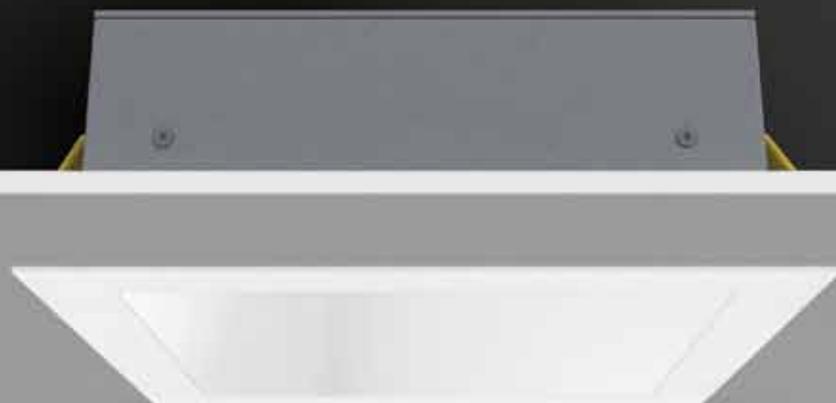
TITÂNIO Q LED

1,4 kg

154x154

medidas em mm | dimensions in mm | dimensions en mm





QUATREX LED



O equipamento QUATREX LED foi desenhado para a iluminação de espaços interiores, assegurando uma elevada qualidade lumínica, reduzindo encandeamento e recorrendo a tecnologia LED de elevado desempenho.

The luminaire QUATREX LED was designed for interior spaces, assuring high lighting performance, reducing glare and using high performance LED technology.

L'équipement QUATREX LED a été conçu pour l'éclairage des espaces intérieurs, assurant un éclairage d' haute performance, réduisant l'éblouissement et utilisant la technologie LED haute performance.

Montagem encastrada.
Iluminação direta.
Corpo em alumínio.
Aro de remate em aço termolacado à cor ou aço inox escovado.
Equipamento de alimentação incorporado.
Diferentes temperaturas de cor disponíveis.
Elevado índice de restituição cromática (Ra>80).

Recessed mounted.
Direct lighting.
Aluminum body.
Thermo-laquered colored steel or brushed stainless steel ring.
Built-in control gear.
Available different color temperatures.
High chromatic restitution index (Ra>80).

Montage encastré.
Éclairage direct.
Corps en aluminium.
Anneau en acier thermolaqué coloré ou acier inoxydable brossé.
Équipement incorporé.
Températures de couleurs différentes sont disponibles.
Indice de restitution chromatique élevé (Ra>80).

	preto, black, noir RAL 9011
	branco, white, blanc RAL 9003
	alumínio, aluminum, aluminium RAL 9006
	antracite, anthracite, anthracite RAL 7016
	aço inox, stainless steel, acier inoxydable

[1] ao nível do aro | at ring level | au niveau de l'anneau

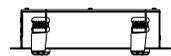
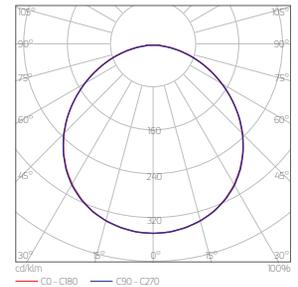


QUATREX LED

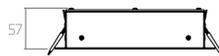
versões versions versions

	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée
HB	230V AC 50Hz	3000K 4000K 5000K	1934lm 2033lm 2122lm	>80	68lm/W 72lm/W 75lm/W	28,5 W

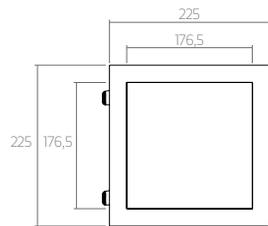
Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)



Vista lateral
Side view
Vue latérale



Vista frontal
Front view
Vue de face



Vista inferior
Bottom view
Vue de dessous



peso
weight
poids

QUATREX LED

2,3 kg

 204x204

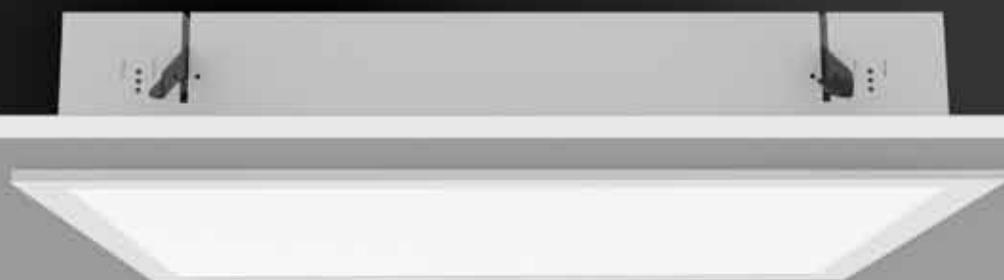
medidas em mm | dimensions in mm | dimensions en mm

detalhes details détails









WORKS/E LED



230 V AC
50Hz



IP20

IP40

IP65



[1]

[2]

[3]

O equipamento WORKS E LED foi desenhado recorrendo a mais avançada tecnologia LED do mercado e conjuga elevados níveis de eficiência energética com um desempenho superior.

The equipment WORKS E LED was designed using the most advanced LED technology in the market and combines high energy efficiency with superior performance.

L'équipement WORKS E LED a été conçu à l'aide de la technologie LED la plus avancée sur le marché et combine haute efficacité énergétique avec des performances supérieures.

Montagem encastrada.
Iluminação direta.
Corpo em aço termolacado à cor.
Aro em alumínio termolacado à cor.
Difusor em acrílico snow.
Equipamento de alimentação incorporado.
Diferentes temperaturas de cor disponíveis.
Elevado índice de restituição cromática (Ra>80).

Recessed mounted.
Direct lighting.
Thermo-laquered colored steel body.
Thermo-laquered colored aluminum ring.
Snow acrylic diffuser.
Built-in control gear.
Available different color temperatures.
High chromatic restitution index (Ra>80).

Montage encastré.
Éclairage direct.
Corps en acier thermolaqué coloré.
Cadre en aluminium thermolaqué coloré.
Diffuser en acrylique snow.
Équipement incorporé.
Températures de couleurs différentes sont disponibles.
Indice de restitution chromatique élevé (Ra>80).

branco, white, blanc
RAL 9003

[1] ao nível do aro | at ring level | au niveau de l'anneau
[2] ao nível do aro (opção) | at ring level (option) | au niveau de l'anneau (option)
[3] opção | option | option

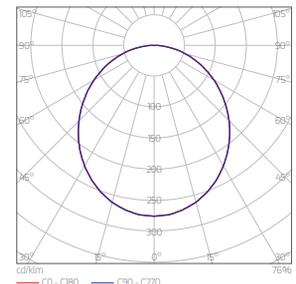


WORKS/E LED

versões versions versions

		alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée
WORKS/E LED 300	LB	230V AC 50Hz	3000K 4000K 5000K	880lm 909lm 946lm	>80	99lm/W 103lm/W 107lm/W	9 W
	MB	230V AC 50Hz	3000K 4000K 5000K	1040lm 1077lm 1120lm	>80	96lm/W 100lm/W 104lm/W	11 W
	HB	230V AC 50Hz	3000K 4000K 5000K	1215lm 1259lm 1303lm	>80	95lm/W 98lm/W 101lm/W	13 W
WORKS/E LED 600 (1)	MB	230V AC 50Hz	3000K 4000K 5000K	2081lm 2154lm 2241lm	>80	124lm/W 129lm/W 134lm/W	17 W
	HB	230V AC 50Hz	3000K 4000K 5000K	2430lm 2517lm 2605lm	>80	122lm/W 127lm/W 131lm/W	20 W
WORKS/E LED 600 (2)/ 1200	LB	230V AC 50Hz	3000K 4000K 5000K	3521lm 3638lm 3783lm	>80	123lm/W 132lm/W 138lm/W	27 W
	MB	230V AC 50Hz	3000K 4000K 5000K	4162lm 4307lm 4482lm	>80	119lm/W 123lm/W 128lm/W	35 W
	HB	230V AC 50Hz	3000K 4000K 5000K	4860lm 5035lm 5209lm	>80	117lm/W 121lm/W 125lm/W	42 W

Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)

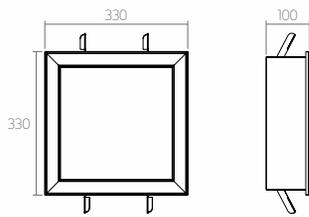


WORKS/E LED
simétrico | symmetric / symétrique





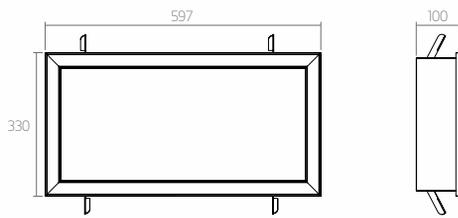
WORKS/E LED 300



Vista frontal
Front view
Vue de face

Vista lateral
Side view
Vue latérale

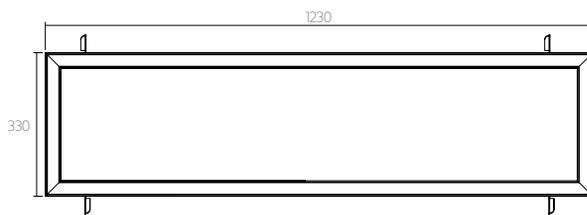
WORKS/E LED 600 (1)



Vista frontal
Front view
Vue de face

Vista lateral
Side view
Vue latérale

WORKS/E LED 1200

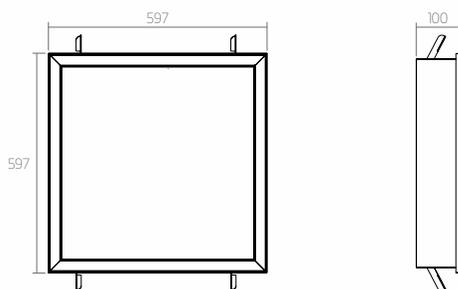


Vista frontal
Front view
Vue de face



Vista lateral
Side view
Vue latérale

WORKS/E LED 600 (2)



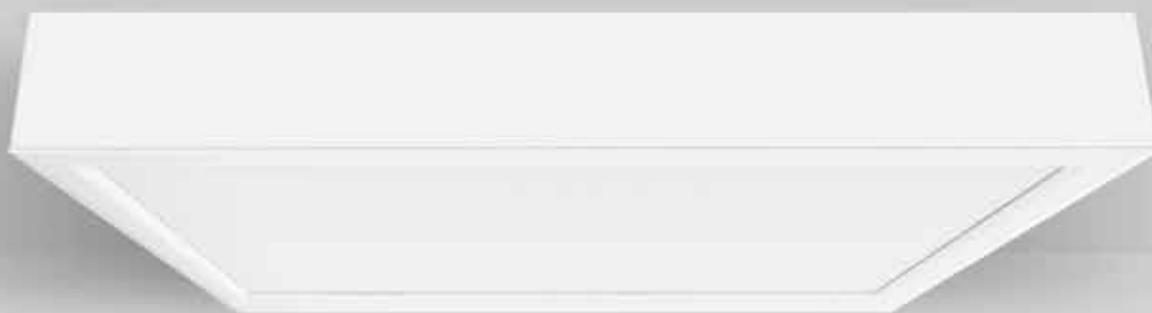
Vista frontal
Front view
Vue de face

Vista lateral
Side view
Vue latérale



		peso weight poids
WORKS/E LED 300	315x315	3 kg
WORKS/E LED 600 (1)	315x598	5,3 kg
WORKS/E LED 1200	315x1215	11 kg
WORKS/E LED 600 (2)	585x585	9,6 kg

medidas em mm | dimensions in mm | dimensions en mm



WORKS/S LED

CE 230 V AC
 50Hz



IP40

IP65



[1]

O equipamento WORKS/S LED foi desenhado recorrendo a mais avançada tecnologia LED do mercado e conjuga elevados níveis de eficiência energética com um desempenho superior.

The equipment WORKS/S LED was designed using the most advanced LED technology in the market and combines high energy efficiency with superior performance.

L'équipement WORKS/S LED a été conçu à l'aide de la technologie LED la plus avancée sur le marché et combine haute efficacité énergétique avec des performances supérieures.

Montagem saliente.
 Iluminação direta.
 Corpo em aço termolacado à cor.
 Aro em alumínio termolacado à cor.
 Difusor em acrílico snow.
 Equipamento de alimentação incorporado.
 Diferentes temperaturas de cor disponíveis.
 Elevado índice de restituição cromática (Ra>80).

Surface mounted.
 Direct lighting.
 Thermo-laquered colored steel body.
 Thermo-laquered colored aluminum ring.
 Snow acrylic diffuser.
 Built-in control gear.
 Available different color temperatures.
 High chromatic restitution index (Ra>80).

Montage en surface.
 Éclairage direct.
 Corps en acier thermolaqué coloré.
 Cadre en aluminium thermolaqué coloré.
 Diffuser en acrylique snow.
 Equipement incorporé.
 Températures de couleurs différentes sont disponibles.
 Indice de restitution chromatique élevé (Ra>80).


 branco, white, blanc
 RAL 9003

[1] opção | option | option

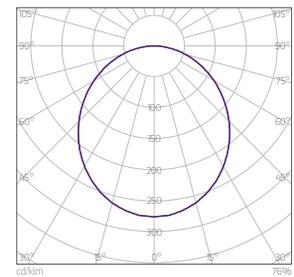


WORKS/S LED

versões versions versions

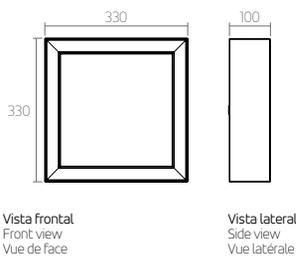
		alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous flux flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée
WORKS/S LED 300	LB	230V AC 50Hz	3000K 4000K 5000K	880lm 909lm 946lm	>80	99lm/W 103lm/W 107lm/W	9 W
	MB	230V AC 50Hz	3000K 4000K 5000K	1040lm 1077lm 1120lm	>80	96lm/W 100lm/W 104lm/W	11 W
	HB	230V AC 50Hz	3000K 4000K 5000K	1215lm 1259lm 1023lm	>80	95lm/W 98lm/W 101lm/W	13 W
WORKS/S LED 600 (1)	MB	230V AC 50Hz	3000K 4000K 5000K	2081lm 2154lm 2241lm	>80	124lm/W 129lm/W 134lm/W	17 W
	HB	230V AC 50Hz	3000K 4000K 5000K	2430lm 2517lm 2605lm	>80	122lm/W 127lm/W 131lm/W	20 W
WORKS/S 600 (2)/ 1200	LB	230V AC 50Hz	3000K 4000K 5000K	3521lm 3638lm 3783lm	>80	123lm/W 132lm/W 138lm/W	27 W
	MB	230V AC 50Hz	3000K 4000K 5000K	4162lm 4307lm 4482lm	>80	119lm/W 123lm/W 128lm/W	35 W
	HB	230V AC 50Hz	3000K 4000K 5000K	4860lm 5035lm 5209lm	>80	117lm/W 121lm/W 125lm/W	42 W

Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)

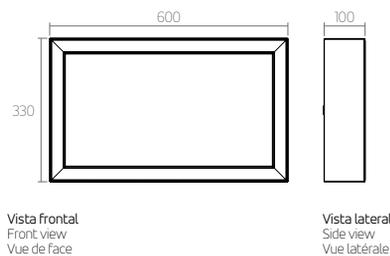


WORKS/S LED
simétrico | symmetric / symétrique

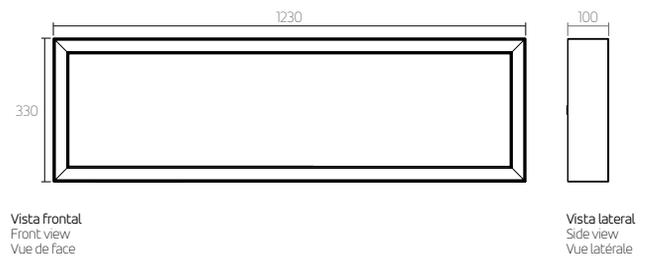
WORKS/S LED 300



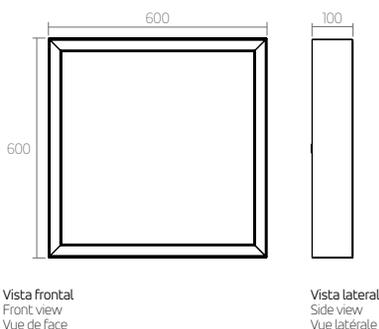
WORKS/S LED 600 (1)



WORKS/S LED 1200



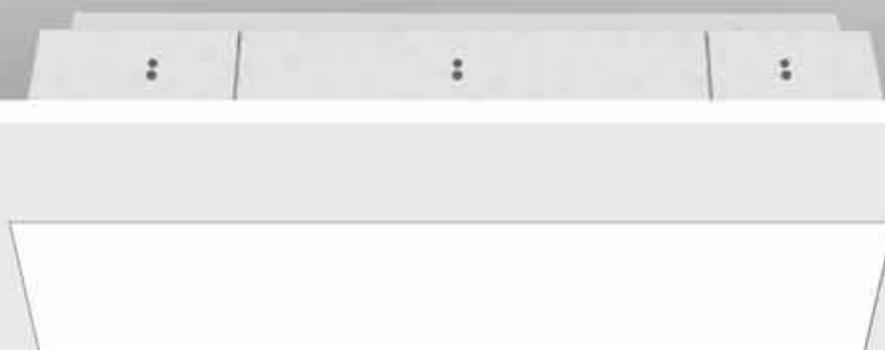
WORKS/S LED 600 (2)



	peso weight poids
WORKS/S LED 300	3,3 kg
WORKS/S LED 600 (1)	5,6 kg
WORKS/S LED 1200	11,6 kg
WORKS/S LED 600 (2)	9,6 kg

medidas em mm | dimensions in mm | dimensions en mm





TIPUS



O equipamento TIPUS foi desenhado com um conceito minimalista e com o objetivo principal de proporcionar uma iluminação ambiente agradável e confortável ao utilizador.

The TIPUS equipment was designed with a minimalist concept and with the main objective to provide a pleasant ambient lighting and comforting to the user.

L'équipement TIPUS e a été conçu avec un concept minimaliste et avec pour principal objectif de fournir un éclairage ambiant agréable et réconfortant pour l'utilisateur.

Montagem encastrada.
Iluminação direta.
Pré-aro em perfil de alumínio extrudido.
Corpo em aço termolacado à cor.
Difusor em policarbonato opalino.
Equipamento de alimentação incorporado.
Diferentes temperaturas de cor disponíveis.

Recessed mounted.
Direct lighting.
Extruded aluminum profile frame.
Thermo-laquered colored steel body.
Opal polycarbonate diffuser.
Built-in control gear.
Available different color temperatures.

Montage encastré.
Éclairage direct.
Corps en acier thermolaqué coloré.
Diffuseur en polycarbonate opale.
Équipement incorporé.
Températures de couleurs différentes disponibles.

branco, white, blanc
RAL 9003

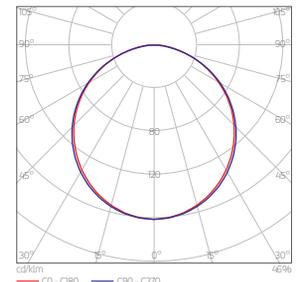
[1] ao nível do aro | at ring level | au niveau de l'anneau



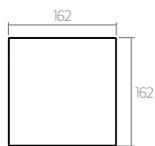
TIPUS

versões versions versions

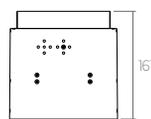
	lâmpada lamp lampe	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	potência entrada input power puissance d'entrée		lâmpada lamp lampe	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	potência entrada input power puissance d'entrée
TIPUS (A)	1xTC-T/E Gx24q-1	230V AC 50Hz	2700K 3000K 4000K	13 W	TIPUS 160	2xTC-T/E Gx24q-1	230V AC 50Hz	2700K 3000K 4000K	26 W
	1x TC-T/E Gx24q-2	230V AC 50Hz	2700K 3000K 4000K	18 W		2x TC-T/E Gx24q-2	230V AC 50Hz	2700K 3000K 4000K	36 W
	1x TC-T/E Gx24q-3	230V AC 50Hz	2700K 3000K 4000K	26 W		2x TC-T/E Gx24q-3	230V AC 50Hz	2700K 3000K 4000K	52 W
TIPUS 600 (1)	1x T5 G5	230V AC 50Hz	2700K 3000K 4000K	max 24 W	TIPUS 600 (2)	2x T5 G5	230V AC 50Hz	2700K 3000K 4000K	max 48 W
TIPUS 900 (1)	1x T5 G5	230V AC 50Hz	2700K 3000K 4000K	max 39 W	TIPUS 900 (2)	2x T5 G5	230V AC 50Hz	2700K 3000K 4000K	max 78 W
TIPUS 1200 (1)	1x T5 G5	230V AC 50Hz	2700K 3000K 4000K	max 54 W	TIPUS 1200 (2)	2x T5 G5	230V AC 50Hz	2700K 3000K 4000K	max 108 W
TIPUS 1500 (1)	1x T5 G5	230V AC 50Hz	2700K 3000K 4000K	max 80 W	TIPUS 1500 (2)	2x T5 G5	230V AC 50Hz	2700K 3000K 4000K	max 160 W



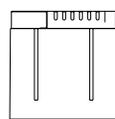
TIPUS (A) / TIPUS 160



Vista inferior
Bottom view
Vue de dessous



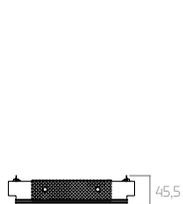
Vista frontal
Front view
Vue de face



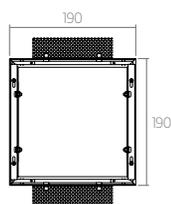
Vista lateral
Side view
Vue latérale



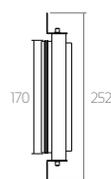
pré-aro recessing ring cadre



Vista lateral
Side view
Vue latérale



Vista frontal
Front view
Vue de face



Vista superior
Top view
Vue d'en haut



peso
weight
poids

TIPUS (A) / TIPUS 160 1,6 kg

pré-aro recessing ring cadre 0,39 kg

170x190

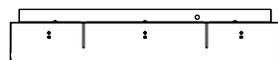
medidas em mm | dimensions in mm | dimensions en mm



TIPUS 600 (1)



Vista inferior
Bottom view
Vue de dessous



Vista frontal
Front view
Vue de face

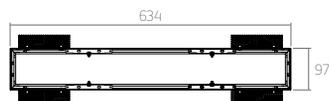


Vista lateral
Side view
Vue latérale

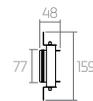
pré-aro recessing ring cadre



Vista inferior
Bottom view
Vue de dessous



Vista frontal
Front view
Vue de face

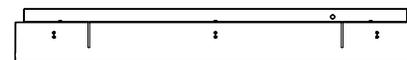


Vista lateral
Side view
Vue latérale

TIPUS 900 (1)



Vista inferior
Bottom view
Vue de dessous

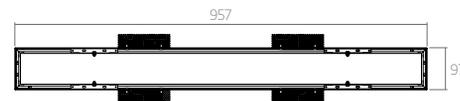


Vista frontal
Front view
Vue de face

pré-aro recessing ring cadre



Vista inferior
Bottom view
Vue de dessous

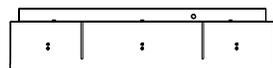


Vista frontal
Front view
Vue de face

TIPUS 600 (2)



Vista inferior
Bottom view
Vue de dessous



Vista frontal
Front view
Vue de face

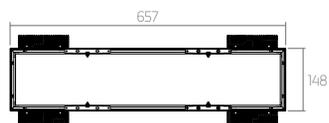


Vista lateral
Side view
Vue latérale

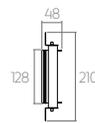
pré-aro recessing ring cadre



Vista inferior
Bottom view
Vue de dessous



Vista frontal
Front view
Vue de face

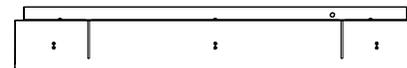


Vista lateral
Side view
Vue latérale

TIPUS 900 (2)



Vista inferior
Bottom view
Vue de dessous

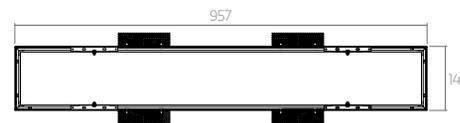


Vista frontal
Front view
Vue de face

pré-aro recessing ring cadre



Vista inferior
Bottom view
Vue de dessous



Vista frontal
Front view
Vue de face



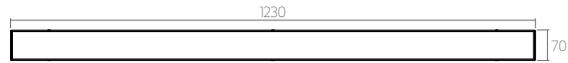
		peso weight poids
TIPUS 600 (1)	79x658	2,9 kg
pré-aro recessing ring cadre		0,44 kg
TIPUS 600 (2)	130x658	4,78 kg
pré-aro recessing ring cadre		0,68 kg

medidas em mm | dimensions in mm | dimensions en mm

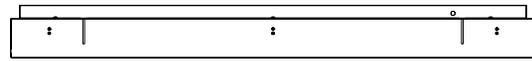
		peso weight poids
TIPUS 900 (1)	79x958	4,28 kg
pré-aro recessing ring cadre		0,65 kg
TIPUS 900 (2)	130x958	7 kg
pré-aro recessing ring cadre		1 kg

medidas em mm | dimensions in mm | dimensions en mm

TIPUS 1200 (1)



Vista inferior
Bottom view
Vue de dessous

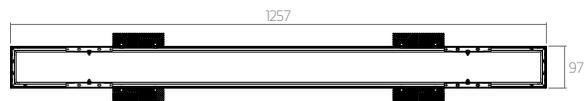


Vista frontal
Front view
Vue de face

pré-aro recessing ring cadre



Vista inferior
Bottom view
Vue de dessous

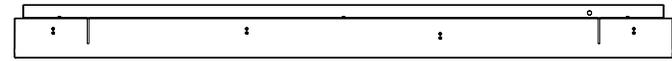


Vista frontal
Front view
Vue de face

TIPUS 1500 (1)



Vista inferior
Bottom view
Vue de dessous

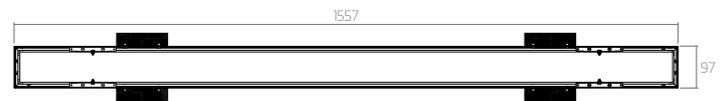


Vista frontal
Front view
Vue de face

pré-aro recessing ring cadre

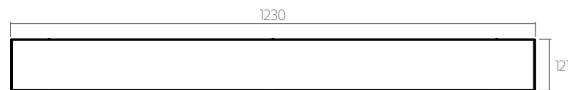


Vista inferior
Bottom view
Vue de dessous

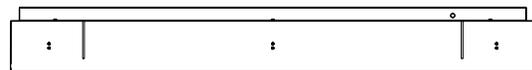


Vista frontal
Front view
Vue de face

TIPUS 1200 (2)



Vista inferior
Bottom view
Vue de dessous

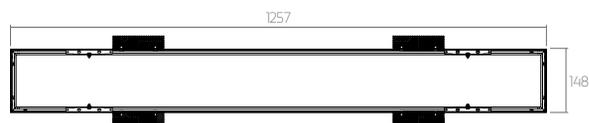


Vista frontal
Front view
Vue de face

pré-aro recessing ring cadre

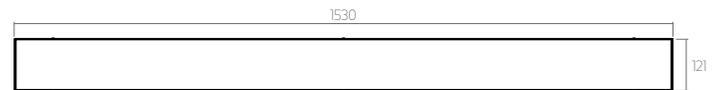


Vista inferior
Bottom view
Vue de dessous



Vista frontal
Front view
Vue de face

TIPUS 1500 (2)



Vista inferior
Bottom view
Vue de dessous

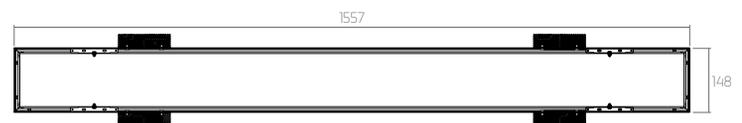


Vista frontal
Front view
Vue de face

pré-aro recessing ring cadre



Vista inferior
Bottom view
Vue de dessous



Vista frontal
Front view
Vue de face

		peso weight poids
TIPUS 1200 (1) pré-aro recessing ring cadre	79x1258	5,7 kg 0,86 kg
TIPUS 1200 (2) pré-aro recessing ring cadre	130x1258	9,3 kg 1,1 kg

medidas em mm | dimensions in mm | dimensions en mm

		peso weight poids
TIPUS 1500 (1) pré-aro recessing ring cadre	79x1558	7 kg 1,1 kg
TIPUS 1500 (2) pré-aro recessing ring cadre	130x1558	11 kg 1,7 kg

medidas em mm | dimensions in mm | dimensions en mm



FRANCIS

O equipamento FRANCIS foi desenhado para iluminação de espaços interiores. Com o seu design subtil e minimalista fornece uma iluminação agradável.

The FRANCIS equipment was designed for interior spaces recessed lighting. With its subtle and minimalist design provides a pleasant lighting.

L'équipement FRANCIS a été conçu pour l'éclairage encastré des espaces intérieurs. Avec son design subtil et minimaliste offre un éclairage agréable.

Montagem encastrada.
Iluminação direta.
Corpo em alumínio termolacada à cor.
Equipado com vidro de proteção.
Diferentes temperaturas de cor disponíveis.

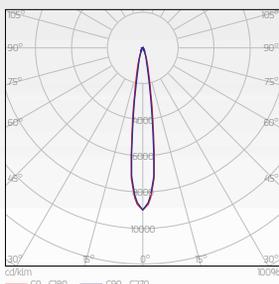
Recessed mounted.
Direct lighting.
Thermo-laquered colored aluminum body.
Equipped with protection glass
Available different color temperatures.

Montage encastré.
Éclairage direct.
Corps en aluminium thermolaqué coloré.
Équipé de verre de protection.
Températures de couleurs différentes disponibles.

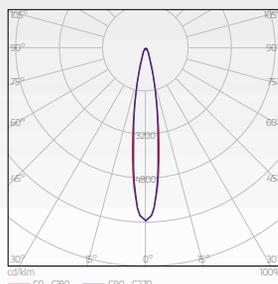


- preto, black, noir
RAL 9011
- branco, white, blanc
RAL 9003
- alumínio, aluminum, aluminium
RAL 9006
- antracite, anthracite, anthracite
RAL 7016

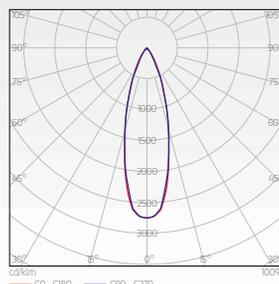
[1] ao nível do aro | at ring level | au niveau de l'anneau



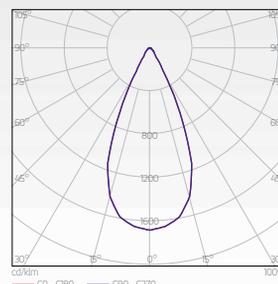
TETRA 10°



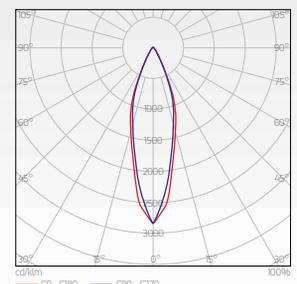
TETRA 25°



TETRA 40°



DIKRO



LED



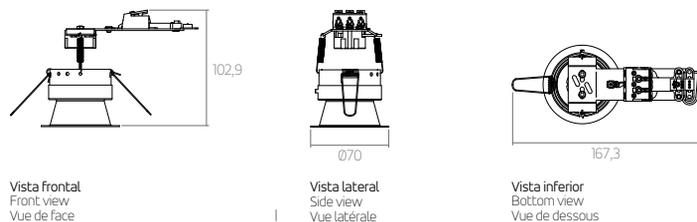
FRANCIS

versões versions versions

			lâmpada lamp lampe	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous flux flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée	ângulo abertura beam angle angle d'ouverture
FRANCIS 1		1x	QR CB51	12V AC 50Hz	-	-	-	-	max 50 W	-
		1x	MR16	12V AC 50Hz	-	-	-	-	max 10 W	-
		1x	Q PAR16	230V AC 50Hz	-	-	-	-	max 50 W	-
		1x	HI PAR16	230V AC 50Hz	-	-	-	-	max 20 W	-
		1x	FLUO PAR16	230V AC 50Hz	-	-	-	-	max 11 W	-
		1x	MR PAR16	230V AC 50Hz	-	-	-	-	max 8 W	-
		1x		TETRA x4 LED	3000K 4000K 5000K	313lm 328lm 340lm	>80	73lm/W 76lm/W 79lm/W	4,3 W	40° / 25° / 10°
		1x		TETRA x4 LED	3000K 4000K 5000K	526lm 553lm 578lm	>80	61lm/W 64lm/W 67lm/W	8,7 W	40° / 25° / 10°
		1x		TETRA x7 LED	3000K 4000K 5000K	532lm 564lm 585lm	>80	72lm/W 76lm/W 79lm/W	7,5 W	40° / 25° / 10°
		1x		TETRA x7 LED	3000K 4000K 5000K	692lm 729lm 761lm	>80	65lm/W 69lm/W 72lm/W	10,7 W	40° / 25° / 10°
FRANCIS 1		1x		DIKRO x4 LED	3000K 4000K 5000K	320lm 330lm 352lm	>80	76lm/W 78lm/W 84lm/W	4,2 W	-
		1x		DIKRO x4 LED	3000K 4000K 5000K	554lm 582lm 608lm	>80	64lm/W 67lm/W 70lm/W	8,7 W	-
FRANCIS 2		1x		LED	3000K	472lm	>80	43lm/W	11 W	-

Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)

FRANCIS 1

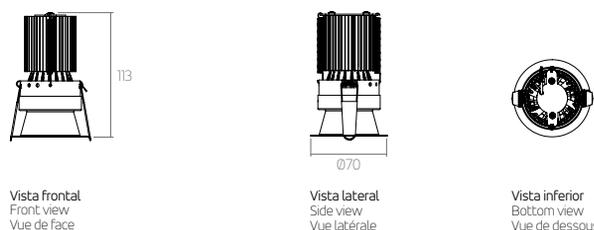


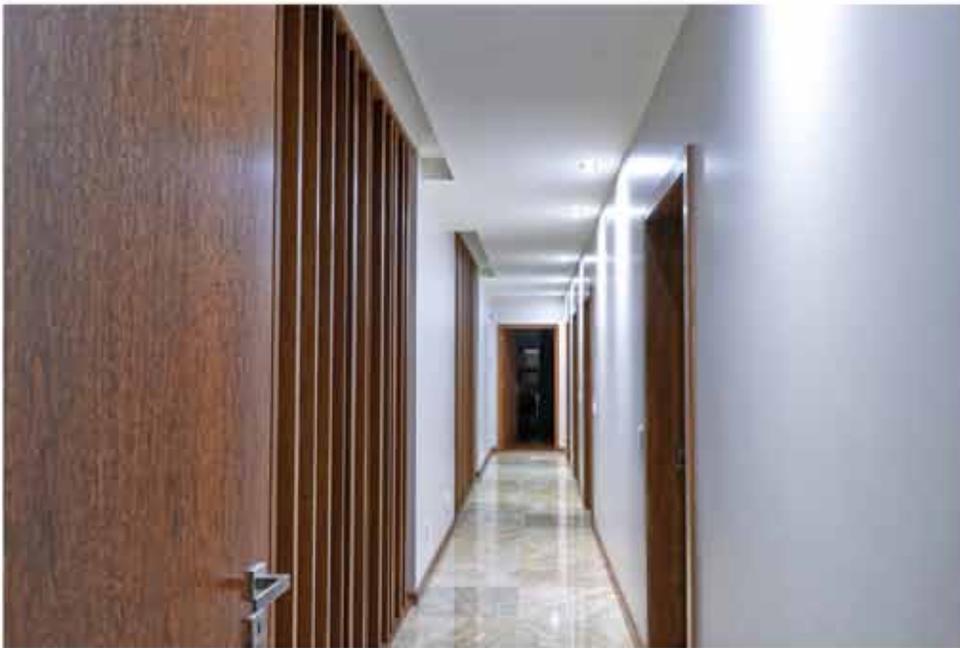
	peso weight poids
FRANCIS 1	0,2 kg
FRANCIS 2	0,3 kg



medidas em mm | dimensions in mm | dimensions en mm

FRANCIS 2









NEX RD

IP20



O equipamento NEX RD foi desenhado para iluminação de espaços interiores. Com o seu design subtil e minimalista fornece uma iluminação agradável.

The NEX RD equipment was designed for interior spaces recessed lighting. With its subtle and minimalist design provides a pleasant lighting.

L'équipement NEX RD a été conçu pour l'éclairage encastrée des espaces intérieurs. Avec son design subtil et minimaliste offre un éclairage agréable.

Montagem encastrada.
Iluminação direta.
Pré-aro em alumínio.
Aro em alumínio termolacado à cor.
Diferentes temperaturas de cor disponíveis.

Recessed mounted.
Direct lighting.
Aluminum frame.
Thermo-laquered colored aluminum ring.
Available different color temperatures.

Montage encastré.
Éclairage direct.
Cadre en aluminium.
Cadre en aluminium thermolaqué coloré.
Températures de couleurs différent sont disponibles.

	preto, black, noir RAL 9011
	branco, white, blanc RAL 9003
	alumínio, aluminum, aluminium RAL 9006
	antracite, anthracite, anthracite RAL 7016



NEX RD

versões versions versions

		lâmpada lamp lampe	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée	ângulo abertura beam angle angle d'ouverture
NEX RD 1		1x QR CB51 G5,3	12V AC 50Hz	-	-	-	-	max 50 W	-
		1x Mr16 G5,3	12V AC 50Hz	-	-	-	-	max 10 W	-
NEX RD 2		1x Q PAR16 Gz10	230V AC 50Hz	-	-	-	-	max 50 W	-
		1x HI PAR16 Gx10	230V AC 50Hz	-	-	-	-	max 20 W	-
		1x FLUO PAR16 GU10	230V AC 50Hz	-	-	-	-	max 11 W	-
		1x MR PAR16 GU10	230V AC 50Hz	-	-	-	-	max 8 W	-
NEX RD 1		1x TETRA x4 LED	230V AC 50Hz	3000K 4000K 5000K	313lm 328lm 340lm	>80	73lm/W 76lm/W 79lm/W	4,3 W	40° / 25° / 10°
		1x TETRA x4 LED	230V AC 50Hz	3000K 4000K 5000K	526lm 553lm 578lm	>80	61lm/W 64lm/W 67lm/W	8,7 W	40° / 25° / 10°
		1x TETRA x7 LED	230V AC 50Hz	3000K 4000K 5000K	532lm 564lm 585lm	>80	72lm/W 76lm/W 79lm/W	7,5 W	40° / 25° / 10°
		1x TETRA x7 LED	230V AC 50Hz	3000K 4000K 5000K	692lm 729lm 761lm	>80	65lm/W 69lm/W 72lm/W	10,7 W	40° / 25° / 10°
		1x DIKRO x4 LED	230V AC 50Hz	3000K 4000K 5000K	320lm 330lm 352lm	>80	76lm/W 78lm/W 84lm/W	4,2 W	-
		1x DIKRO x4 LED	230V AC 50Hz	3000K 4000K 5000K	554lm 582lm 608lm	>80	64lm/W 67lm/W 70lm/W	8,7 W	-

Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)

NEX RD 1



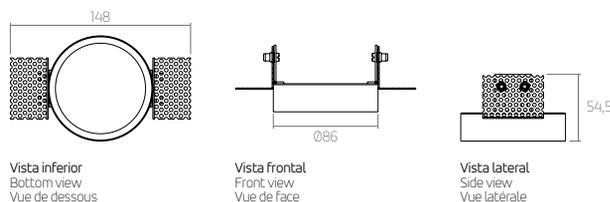
NEX RD 2

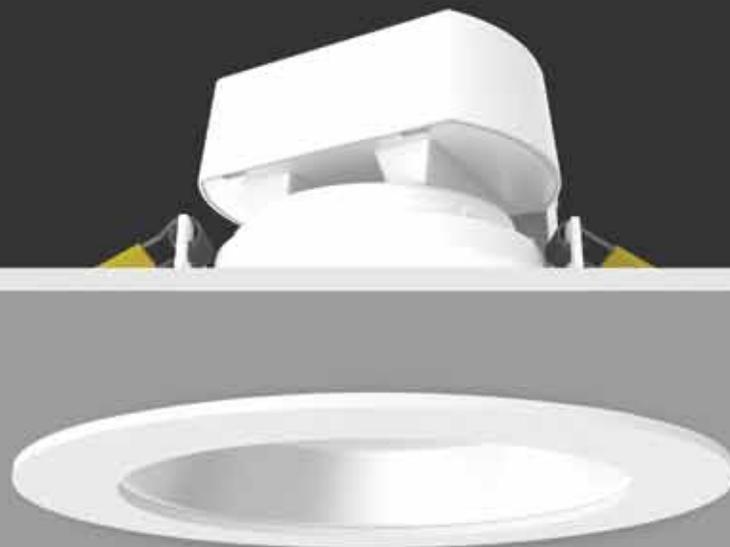


	peso weight poids
NEX RD 1	0,12 kg
NEX RD 2	0,16 kg
pré-aro recessing ring cadre	0,09 kg

medidas em mm | dimensions in mm | dimensions en mm

pré-aro recessing ring cadre





OVNI LED



O equipamento OVNI LED foi desenhado para a iluminação de espaços interiores, assegurando uma elevada qualidade lumínica, reduzindo encandeamento e recorrendo a tecnologia LED de elevado desempenho.

The OVNI LED equipment was designed for interior lighting spaces, ensuring lumen output high quality, reducing glare and using LED technology for high performance.

L'équipement OVNI LED a été conçu pour l'éclairage des espaces intérieurs, en veillant à une lumière de haute qualité, réduisant l'éblouissement et utilisant la technologie LED de haut performance.

Montagem encastrada.
Iluminação direta.
Aro de remate em aço termolacado à cor.
Equipamento de alimentação incorporado.
Diferentes temperaturas de cor disponíveis.
Elevado índice de restituição cromática (Ra 80).

Recessed mounted.
Direct lighting.
Thermo-laquered colored steel ring.
Built-in control gear.
Available different color temperatures.
High chromatic restitution index (Ra 80).

Montage encastré.
Éclairage direct.
Anneau en acier thermolaqué coloré.
Équipement incorporé.
Températures de couleurs différent sont disponibles.
Indice de restitution chromatique (Ra 80) élevé.

	preto, black, noir RAL 9011
	branco, white, blanc RAL 9003
	aluminio, aluminum, aluminium RAL 9006
	antracite, anthracite, anthracite RAL 7016

[1] ao nível do aro | at ring level | au niveau de l'anneau

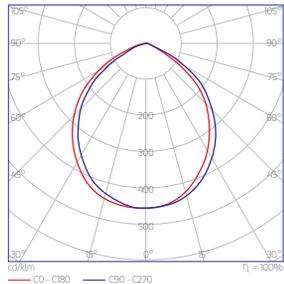


OVNILED

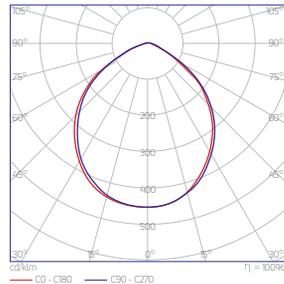
versões versions versions

	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée
SMALL OVNILED	230V AC 50Hz	3000K 4000K	947lm 981lm	80	74lm/W 77lm/W	12,8 W
MEDIUM OVNILED	230V AC 50Hz	3000K 4000K	1961lm 2004lm	80	81lm/W 78lm/W	24,2 W 25,8 W

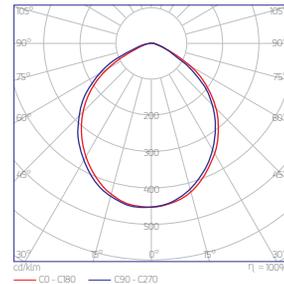
Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)



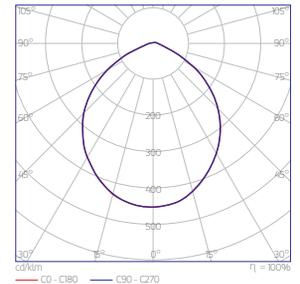
SMALL OVNILED 3000K



SMALL OVNILED 4000K

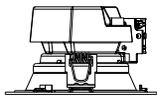


MEDIUM OVNILED 3000K

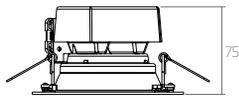


MEDIUM OVNILED 4000K

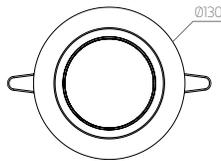
SMALL OVNILED



Vista lateral
Side view
Vue latérale



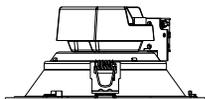
Vista frontal
Front view
Vue de face



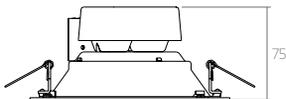
Vista inferior
Bottom view
Vue de dessous



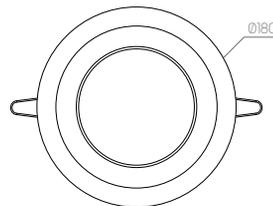
MEDIUM OVNILED



Vista lateral
Side view
Vue latérale



Vista frontal
Front view
Vue de face



Vista inferior
Bottom view
Vue de dessous

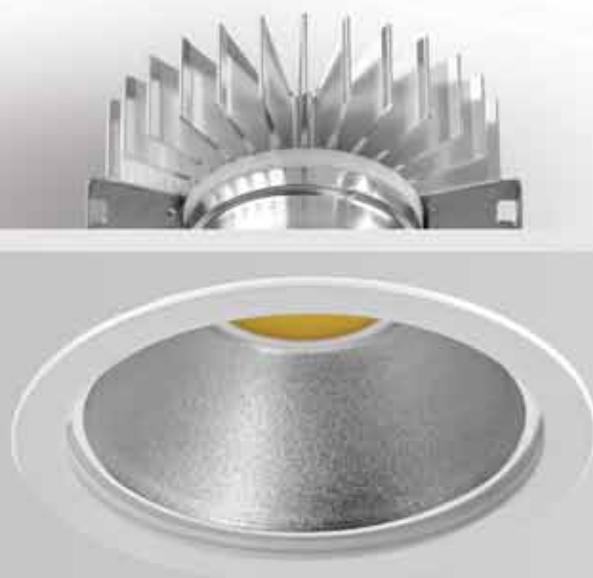


	peso weight poids
SMALL OVNILED	0,3 kg
MEDIUM OVNILED	0,45 kg

medidas em mm | dimensions in mm | dimensions en mm

detalhes details détails





TITÂNIO RP



O equipamento TITÂNIO RP foi desenhado para a iluminação de espaços interiores, assegurando uma elevada qualidade lumínica, reduzindo encandeamto e recorrendo a tecnologia LED de elevado desempenho.

The TITÂNIO RP equipment was designed for interior lighting spaces, ensuring lumen output high quality, reducing glare and using LED technology for high performance.

L'équipement TITÂNIO RP a été conçu pour l'éclairage des espaces intérieurs, en veillant à une lumière de haute qualité, réduisant l'éblouissement et utilisant la technologie LED de haut performance.

Montagem encastrada.
Corpo principal em alumínio.
Aro de remate em aço termolacado à cor.
Equipamento de alimentação incorporado.
Diferentes temperaturas de cor disponíveis.
Elevado índice de restituição cromática (Ra>80).

Recessed mounting.
Aluminum main body.
Thermo-laquered colored steel.
Built-in control gear.
Available different color temperatures.
High chromatic restitution index (Ra>80).

Luminaire à encastrer.
Corps principale en aluminium.
Anneau en acier thermolaqué coloré.
Équipement incorporé.
Températures de couleurs différentes sont disponibles.
Indice de restitution chromatique (Ra>80) élevé.

	preto, black, noir RAL 9011
	branco, white, blanc RAL 9003
	alumínio, aluminum, aluminium RAL 9006
	antracite, anthracite, anthracite RAL 7016

[1] ao nível do aro | at ring level | au niveau de l'anneau

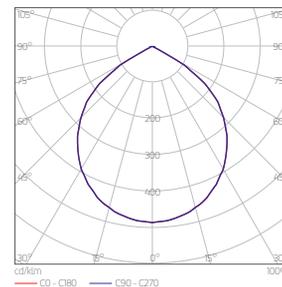


TITÂNIO RP

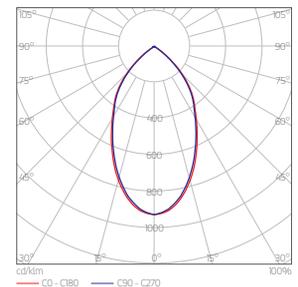
versões versions versions

	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée	ângulo de abertura beam angle angle d'ouverture
LB	230V AC 50Hz	3000K 4000K 5000K	1571lm 1716lm 1813lm	>80 >70	93lm/W 102lm/W 108lm/W	16,9 W	30° / 45°
MB	230V AC 50Hz	3000K 4000K 5000K	2313lm 2527lm 2671lm	>80 >70	98lm/W 107lm/W 113lm/W	23,8 W	30° / 45°
HB	230V AC 50Hz	3000K 4000K 5000K	1763lm 3266lm 3451lm	>80 >70	90lm/W 98lm/W 104lm/W	33,4 W	30° / 45°

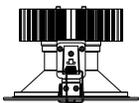
Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)



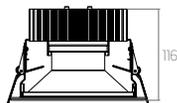
TITÂNIO RP 2x 45°
simétrico | symmetric / symétrique



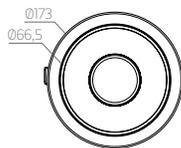
TITÂNIO RP 2x 30°
simétrico | symmetric / symétrique



Vista lateral
Side view
Vue latérale



Vista frontal
Front view
Vue de face



Vista inferior
Bottom view
Vue de dessous

peso
weight
poids

TITÂNIO RP	0,8 kg
------------	--------



medidas em mm | dimensions in mm | dimensions en mm



detalhes details détails





PIPE LED



O equipamento PIPE LED foi desenhado para permitir a substituição de downlights de encastrar orientáveis com lâmpadas de iodetos metálicos de 70W, recorrendo a tecnologia LED de elevado desempenho.

The PIPE LED equipment was designed to allow the replacement of orientable recessed downlights with 70W metal halide lamps, using high performance LED technology.

L'équipement PIPE LED a été conçu pour permettre le remplacement des spots encastrables orientables qui contiennent des lampes aux halogénures métalliques de 70W, utilisant la technologie LED qui permet une performance supérieure.

Montagem encastrada.

Aro de remate em aço termolacado.

Corpo em alumínio injectado.

Reflector em policarbonato metalizado.

Difusor em policarbonato opalino (opção).

Orientável.

Equipamento de alimentação incorporado.

Diferentes temperaturas de cor disponíveis.

Elevado índice de restituição cromática (Ra 85).

Recessed mounting.

Thermo lacquered steel ring.

Die cast aluminium body.

Metalized polycarbonate reflector.

Opal polycarbonate diffuser (Option).

Orientable.

Built-in control gear.

Available different color temperatures.

High chromatic restitution index (Ra 85).

Luminaire à encastrer.

Collerete en acier thermolaqué.

Corps en aluminium injecté.

Réflecteur en polycarbonate métallisé.

Diffuseur en polycarbonate opale (Optionel).

Orientable.

Équipement incorporé.

Températures de couleurs différentes sont disponibles.

Indice de restitution chromatique (Ra~ 85) élevé.

	preto, black, noir RAL 9011
	branco, white, blanc RAL 9003
	alumínio, aluminum, aluminium RAL 9006
	antracite, anthracite, anthracite RAL 7016

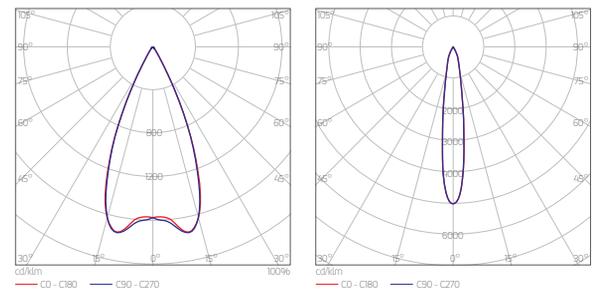


PIPE LED

versões versions versions

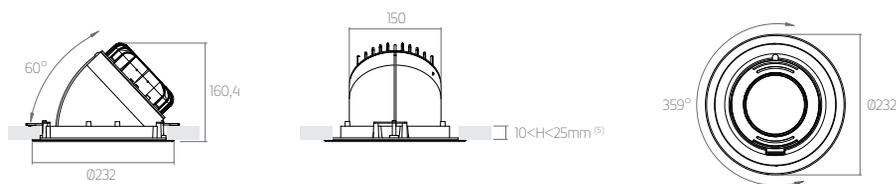
		alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada (*) input power puissance d'entrée	ângulo abertura beam angle angle d'ouverture
HB	sem difusor without diffuser sens diffuseur	230V AC 50Hz	3000K	2229lm	>80	68lm/W	33 W	46° / 15°
			4000K	2662lm		81lm/W		
HB	com difusor with diffuser avec diffuseur	230V AC 50Hz	5000K	2651lm		82lm/W	33 W	46° / 15°
			2700K	1806lm	>90	55lm/W		
HB	com difusor with diffuser avec diffuseur	230V AC 50Hz	3000K	2090lm		64lm/W	33 W	46° / 15°
			4000K	2496lm		76lm/W		
HB	com difusor with diffuser avec diffuseur	230V AC 50Hz	5000K	2486lm		76lm/W	33 W	46° / 15°
			2700K	1694lm	>90	52lm/W		
UB	sem difusor without diffuser sens diffuseur	230V AC 50Hz	3000K	2914lm	>80	83lm/W	35,3 W	46° / 15°
			4000K	3126lm		89lm/W		
UB	sem difusor without diffuser sens diffuseur	230V AC 50Hz	5000K	3168lm		90lm/W	35,3 W	46° / 15°
			2700K	2250lm	>90	64lm/W		
UB	com difusor with diffuser avec diffuseur	230V AC 50Hz	3000K	2332lm		67lm/W	35,3 W	46° / 15°
			4000K	2732lm	>80	78lm/W		
UB	com difusor with diffuser avec diffuseur	230V AC 50Hz	5000K	2930lm		83lm/W	35,3 W	46° / 15°
			2700K	2970lm	>80	85lm/W		
UB	com difusor with diffuser avec diffuseur	230V AC 50Hz	3000K	2109lm	>90	60lm/W	35,3 W	46° / 15°
			4000K	2186lm		63lm/W		

Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Considerando um nível de eficiência de 90% no driver | Considering a driver efficiency level of 90% | Envisageant un niveau d'efficacité de 90% en ce qui concerne le driver



PIPE LED 46°
simétrico | symmetric / symétrique

PIPE LED 15°
simétrico | symmetric / symétrique



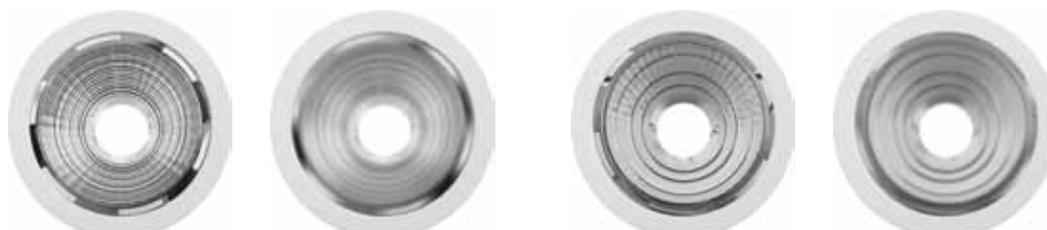
(3) Sob consulta para espessuras de teto (H) distintas | Different ceiling thicknesses (H) under request | Différentes épaisseurs (H) de plafond sur demande

peso weight poids	
montagem encastrada recessed mounting luminaire à encastrer	2,1 kg



medidas em mm | dimensions in mm | dimensions en mm

opcionais/acessórios optional/accessories optionnel/accessoires



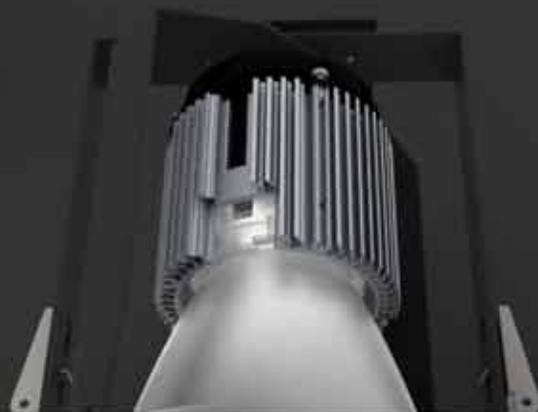
reflector
reflector
reflecteur 46°

reflector e difusor
reflector and diffuser
reflecteur et le diffuseur 46°

reflector
reflector
reflecteur 15°

reflector e difusor
reflector and diffuser
reflecteur et le diffuseur 15°





STAR RD LED



O equipamento STAR RD LED foi desenhado para permitir a substituição de downlights de encastrar orientáveis com lâmpadas de iodetos metálicos, recorrendo a tecnologia LED de elevado desempenho.

The STAR RD LED equipment was designed to allow the replacement of steerable recessed downlights of metal halide lamps, using high performance LED technology.

L'équipement STAR RD LED a été conçu pour permettre le remplacement des spots encastrables orientables qui contiennent des lampes aux halogénures métalliques utilisant la technologie LED qui permet une performance supérieure.

Montagem encastrada.
Aro em alumínio injectado.
Corpo em chapa de aço termolacado a preto.
Reflector em policarbonato metalizado.
Difusor em policarbonato opalino (opção).
Orientável.
Equipamento de alimentação incorporado.
Diferentes temperaturas de cor disponíveis.
Elevado índice de restituição cromática (Ra 85).

Recessed mounting.
Injected aluminium ring.
Black termolacquered steel body.
Metalized polycarbonate reflector.
Opal polycarbonate diffuser (Option).
Orientable.
Built-in control gear.
Available different color temperatures.
High chromatic restitution index (Ra 85).

Luminaire à encastrer.
Cadre en aluminium injecté.
Corps en acier thermolaqué au noir.
Réflecteur en polycarbonate métallisé.
Diffuseur en polycarbonate opale (Optionel).
Orientable.
Équipement incorporé.
Disponibles différentes températures de couleurs.
Élevé indice de restitution chromatique (Ra 85).

- preto, black, noir
RAL 9011
- branco, white, blanc
RAL 9003
- alumínio, aluminum, aluminium
RAL 9006
- antracite, anthracite, anthracite
RAL 7016

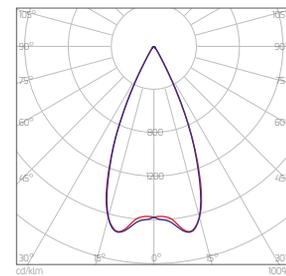


STAR RD LED

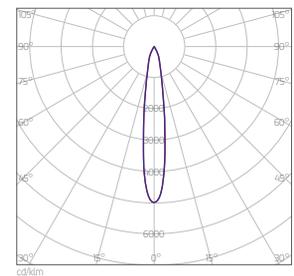
versões versions versions

	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée	ângulo abertura beam angle angle d'ouverture
LB	230V AC 50Hz	3000K	1000lm	>80	76lm/W	12,6 W	46° / 15°
		4000K	1101lm		84lm/W		
		5000K	1162lm	>90	88lm/W		
		2700K	795lm		60lm/W		
		3000K	872lm	66lm/W			
		com difusor with diffuser avec diffuseur	3000K	938lm	>80		
4000K	1040lm	79lm/W					
5000K	1090lm	>90	82lm/W				
2700K	746lm		57lm/W				
3000K	818lm	62lm/W					
MB	230V AC 50Hz	3000K	1804lm	>80	69lm/W	26,2 W	46° / 15°
		4000K	2004lm		77lm/W		
		5000K	2096lm	>90	81lm/W		
		2700K	1439lm		55lm/W		
		3000K	1576lm	60lm/W			
		com difusor with diffuser avec diffuseur	3000K	1691lm	>80		
4000K	1879lm	72lm/W					
5000K	1965lm	>90	76lm/W				
2700K	1349lm		52lm/W				
3000K	1478lm	57lm/W					
HB	230V AC 50Hz	3000K	2322lm	>80	69lm/W	33,8 W	46° / 15°
		4000K	2764lm		82lm/W		
		5000K	2752lm	>90	82lm/W		
		2700K	1888lm		56lm/W		
		3000K	2068lm	62lm/W			
		com difusor with diffuser avec diffuseur	3000K	2177lm	>80		
4000K	2591lm	77lm/W					
5000K	2580lm	>90	77lm/W				
2700K	1770lm		53lm/W				
3000K	1939lm	58lm/W					

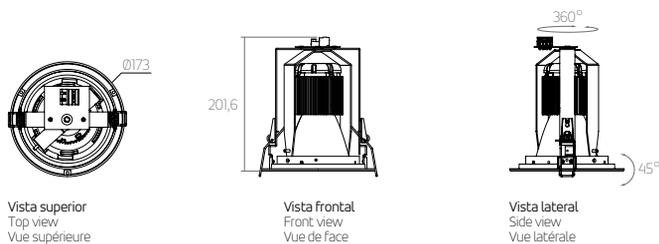
Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)



STAR RD LED 46°
simétrico | symmetric / symétrique



STAR RD LED 15°
simétrico | symmetric / symétrique



Vista superior
Top view
Vue supérieure

Vista frontal
Front view
Vue de face

Vista lateral
Side view
Vue latérale



montagem encastrada recessed mounting luminaire à encastrer	peso weight poids 1,6 kg
---	-----------------------------------



medidas em mm | dimensions in mm | dimensions en mm

opcionais/acessórios optional/accessories optionnel/accessoires



reflector
reflector
reflecteur 46°



reflector e difusor
reflector and diffuser
reflecteur et le diffuseur 46°



reflector
reflector
reflecteur 15°



reflector e difusor
reflector and diffuser
reflecteur et le diffuseur 15°









FOCUS RD LED



O equipamento FOCUS RD LED foi desenhado para permitir a substituição de downlights de encastrar orientáveis com lâmpadas de iodetos metálicos, recorrendo a tecnologia LED de elevado desempenho.

The FOCUS RD LED equipment was designed to allow the replacement of steerable recessed downlights of metal halide lamps, using high performance LED technology.

L'équipement FOCUS RD LED a été conçu pour permettre le remplacement des spots encastrables orientables qui contiennent des lampes aux halogénures métalliques utilisant la technologie LED qui permet une performance supérieure.

Montagem encastrada.
 Aro em alumínio injectado.
 Pré-aro em perfil de alumínio extrudido.
 Corpo em chapa de aço termolacado a preto.
 Reflector em policarbonato metalizado.
 Difusor em policarbonato opalino (opção).
 Orientável.
 Equipamento de alimentação incorporado.
 Diferentes temperaturas de cor disponíveis.
 Elevado índice de restituição cromática (Ra 85).

Recessed mounting.
 Injected aluminium ring.
 Recessing ring on extruded aluminium profile.
 Black termolacquered steel body.
 Metalized polycarbonate reflector.
 Opal polycarbonate diffuser (Option).
 Orientable.
 Built-in control gear.
 Available different color temperatures.
 High chromatic restitution index (Ra 85).

Luminaire à encastrer.
 Cadre en aluminium injecté.
 Corps en acier thermolaqué au noir.
 Réflecteur en polycarbonate métallisé.
 Diffuseur en polycarbonate opale (Optionel).
 Orientable.
 Equipement incorporé.
 Disponibles différentes températures de couleurs.
 Élevé indice de restitution chromatique (Ra 85).

- preto, black, noir
RAL 9011
- branco, white, blanc
RAL 9003
- alumínio, aluminum, aluminium
RAL 9006
- antracite, anthracite, anthracite
RAL 7016

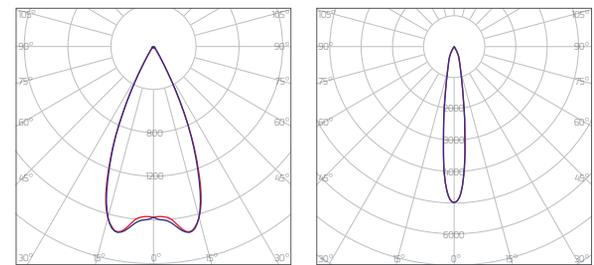
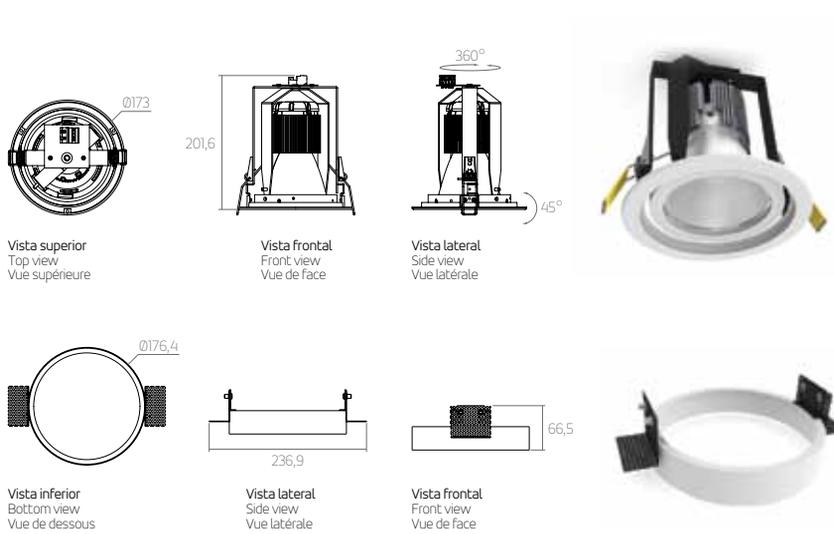


FOCUS RD LED

versões versions versions

	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée	ângulo abertura beam angle angle d'ouverture
LB	230V AC 50Hz	3000K	1000lm	>80	76lm/W	12,6 W	46° / 15°
		4000K	1101lm		84lm/W		
		5000K	1162lm		88lm/W		
		2700K	795lm	>90	60lm/W		
		3000K	872lm		66lm/W		
		3000K	938lm		71lm/W		
MB	230V AC 50Hz	3000K	1804lm	>80	69lm/W	26,2 W	46° / 15°
		4000K	2004lm		77lm/W		
		5000K	2096lm		81lm/W		
		2700K	1439lm	>90	55lm/W		
		3000K	1576lm		60lm/W		
		3000K	1691lm		65lm/W		
HB	230V AC 50Hz	3000K	2322lm	>80	69lm/W	33,8 W	46° / 15°
		4000K	2764lm		82lm/W		
		5000K	2752lm		82lm/W		
		2700K	1888lm	>90	56lm/W		
		3000K	2068lm		62lm/W		
		3000K	2177lm		65lm/W		
		3000K	2591lm	>80	77lm/W		
		4000K	2580lm		77lm/W		
		5000K	2580lm		77lm/W		
		2700K	1770lm	>90	53lm/W		
		3000K	1939lm		58lm/W		
		3000K	1939lm		58lm/W		

Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)



FOCUS RD LED 46°
simétrico | symmetric / symétrique

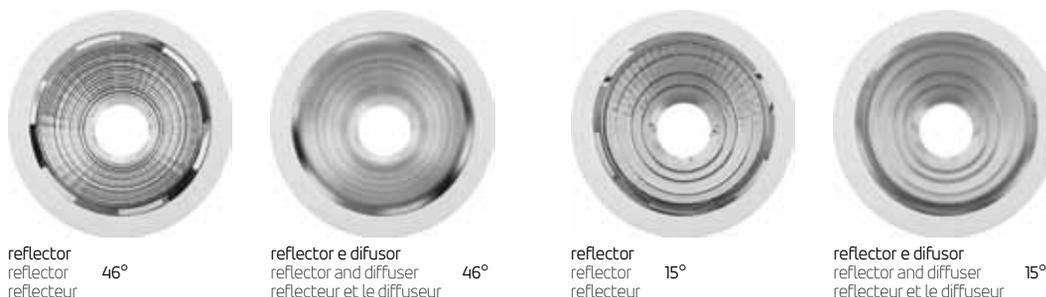
FOCUS RD LED 15°
simétrico | symmetric / symétrique

	peso weight pois
FOCUS RD	1,6 kg
pré-aro recessing ring cadre	0,39 kg

Ø180

medidas em mm | dimensions in mm | dimensions en mm

opcionais/acessórios optional/accessories optionnel/accessoires





STAR LED



O equipamento STAR LED foi desenhado para permitir a substituição de downlights de encastrar orientáveis com lâmpadas de iodetos metálicos, recorrendo a tecnologia LED de elevado desempenho.

The STAR LED equipment was designed to allow the replacement of steerable recessed downlights of metal halide lamps, using high performance LED technology.

L'équipement STAR LED a été conçu pour permettre le remplacement des spots encastrables orientables qui contiennent des lampes aux halogénures métalliques utilisant la technologie LED qui permet une performance supérieure.

Montagem encastrada.

Iluminação direta.

Aro de remate em aço termolacado à cor ou aço inox escovado.

Corpo em aço termolacado a preto.

Reflector em policarbonato metalizado.

Difusor em policarbonato opalino (opção).

Orientável.

Equipamento de alimentação incorporado.

Diferentes temperaturas de cor disponíveis.

Elevado índice de restituição cromática (Ra~85).

Recessed mounted.

Direct lighting.

Thermo-laquered colored steel or brushed stainless steel ring.

Black thermo-laquered steel body.

Metalized polycarbonate reflector.

Opal polycarbonate diffuser (Option).

Adjustable.

Built-in control gear.

Available different color temperatures.

High chromatic restitution index (Ra~85).

Montage encastré.

Éclairage direct.

Anneau en acier thermolaqué coloré ou acier inoxydable brossé.

Corps en acier thermolaqué à noir.

Réflecteur en polycarbonate métallisé.

Difusor en polycarbonate opale (Optionel).

Réglable.

Équipement incorporé.

Températures de couleurs différentes sont disponibles.

Indice de restitution chromatique élevé (Ra~85).

	preto, black, noir RAL 9011
	branco, white, blanc RAL 9003
	aluminio, aluminum, aluminium RAL 9006
	antracite, anthracite, anthracite RAL 7016
	aço inox, stainless steel, acier inoxydable

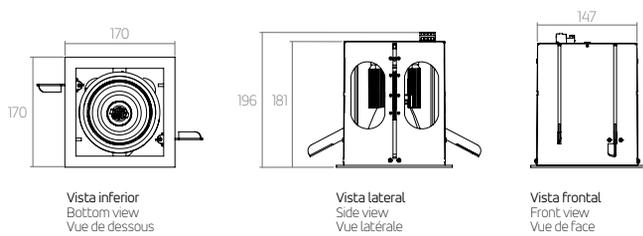


STAR 1A LED

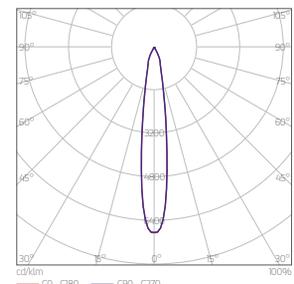
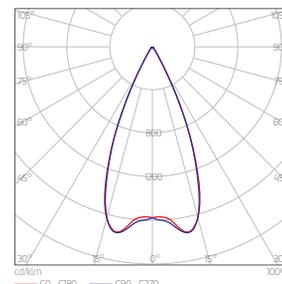
versões versions versions

	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée	ângulo abertura beam angle angle d'ouverture
LB	230V AC 50Hz	3000K	1000lm	>80	76lm/W	12,6 W	46° / 15°
		4000K	1101lm		84lm/W		
		5000K	1162lm	>90	88lm/W		
		2700K	795lm		60lm/W		
		3000K	872lm	66lm/W			
		com difusor with diffuser avec diffuseur	3000K	938lm	>80		
4000K	1040lm	79lm/W					
5000K	1090lm	>90	82lm/W				
2700K	746lm		57lm/W				
3000K	818lm	62lm/W					
MB	230V AC 50Hz	3000K	1804lm	>80	69lm/W	26,2 W	46° / 15°
		4000K	2004lm		77lm/W		
		5000K	2096lm	>90	81lm/W		
		2700K	1439lm		55lm/W		
		3000K	1576lm	60lm/W			
		com difusor with diffuser avec diffuseur	3000K	1691lm	>80		
4000K	1879lm	72lm/W					
5000K	1965lm	>90	76lm/W				
2700K	1349lm		52lm/W				
3000K	1478lm	57lm/W					
HB	230V AC 50Hz	3000K	2322lm	>80	69lm/W	33,8 W	46° / 15°
		4000K	2764lm		82lm/W		
		5000K	2752lm	>90	82lm/W		
		2700K	1888lm		56lm/W		
		3000K	2068lm	62lm/W			
		com difusor with diffuser avec diffuseur	3000K	2177lm	>80		
4000K	2591lm	77lm/W					
5000K	2580lm	>90	77lm/W				
2700K	1770lm		53lm/W				
3000K	1939lm	58lm/W					

Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)



	peso weight poids
montagem encastrada recessed mounting luminaire à encastrer	1,9 kg
155x155	
medidas em mm dimensions in mm dimensions en mm	



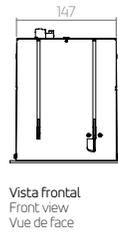
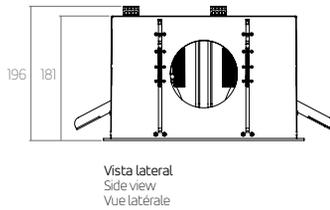
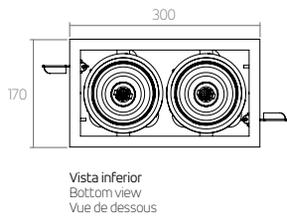


STAR 2A LED

versões versions versions

	alimentação supply alimentation	temperatura de cor color temperature température couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée	ângulo abertura beam angle angle d'ouverture
LB	230V AC 50Hz	3000K	2000lm	>80	76lm/W	25,2 W	46° / 15°
		4000K	2220lm		84lm/W		
		5000K	2324lm		88lm/W		
		2700K	1590lm	>90	60lm/W		
		3000K	1744lm		66lm/W		
		3000K	1876lm		71lm/W		
MB	230V AC 50Hz	3000K	3608lm	>80	69lm/W	52,4 W	46° / 15°
		4000K	4008lm		77lm/W		
		5000K	4192lm		81lm/W		
		2700K	2878lm	>90	55lm/W		
		3000K	3152lm		60lm/W		
		3000K	3382lm		65lm/W		
HB	230V AC 50Hz	3000K	4644lm	>80	69lm/W	67,6 W	46° / 15°
		4000K	5528lm		82lm/W		
		5000K	5504lm		82lm/W		
		2700K	3776lm	>90	56lm/W		
		3000K	4136lm		62lm/W		
		3000K	4354lm		65lm/W		
HB	230V AC 50Hz	3000K	4354lm	>80	65lm/W	67,6 W	46° / 15°
		4000K	5182lm		77lm/W		
		5000K	5160lm		77lm/W		
		2700K	3540lm	>90	53lm/W		
		3000K	3878lm		58lm/W		
		3000K	3878lm		58lm/W		

Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)



peso
weight
poids

montagem encastrada
recessed mounting
luminaire à encastrer

3,2 kg



medidas em mm | dimensions in mm | dimensions en mm



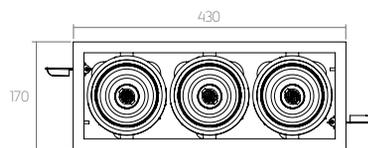
STAR 3A LED

versões versions versions

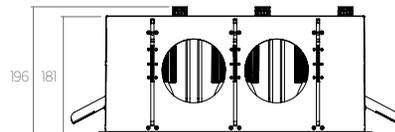
	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée	ângulo abertura beam angle angle d'ouverture
LB	230V AC 50Hz	3000K	3000lm	>80	76lm/W	37,8 W	46° / 15°
		4000K	3330lm		84lm/W		
		5000K	3486lm		88lm/W		
		2700K	2385lm	>90	60lm/W		
		3000K	2616lm		66lm/W		
		3000K	2814lm		71lm/W		
MB	230V AC 50Hz	3000K	5412lm	>80	69lm/W	78,6 W	46° / 15°
		4000K	6012lm		77lm/W		
		5000K	6288lm		81lm/W		
		2700K	4317lm	>90	55lm/W		
		3000K	4728lm		60lm/W		
		3000K	5073lm		65lm/W		
HB	230V AC 50Hz	3000K	6966lm	>80	69lm/W	101,4 W	46° / 15°
		4000K	8292lm		82lm/W		
		5000K	8256lm		82lm/W		
		2700K	5664lm	>90	56lm/W		
		3000K	6204lm		62lm/W		
		3000K	6531lm		65lm/W		
		3000K	7773lm	>80	77lm/W		
		4000K	7740lm		77lm/W		
		5000K	7740lm		77lm/W		
		2700K	5310lm	>90	53lm/W		
		3000K	5817lm		58lm/W		
		3000K	5817lm		58lm/W		

Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)

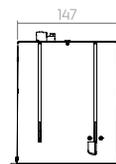
(*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)



Vista inferior
Bottom view
Vue de dessous



Vista lateral
Side view
Vue latérale



Vista frontal
Front view
Vue de face



peso
weight
poids

montagem encastrada
recessed mounting
luminaire à encastrer

4,5 kg

 155x411

medidas em mm | dimensions in mm | dimensions en mm

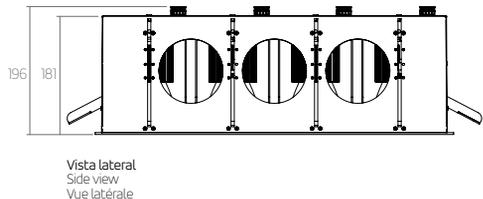
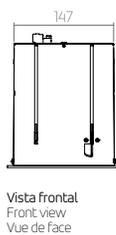
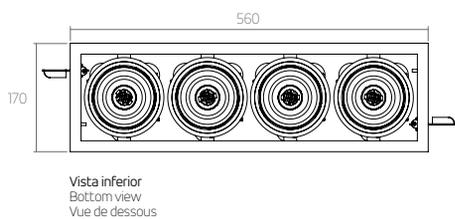


STAR 4A LED

versões versions versions

	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée	ângulo abertura beam angle angle d'ouverture
LB	230V AC 50Hz	3000K	4000lm	>80	76lm/W	50,4 W	46° / 15°
		4000K	4440lm		84lm/W		
		5000K	4648lm		88lm/W		
		2700K	3180lm	>90	60lm/W		
		3000K	3400lm		66lm/W		
		3000K	3752lm		71lm/W		
MB	230V AC 50Hz	3000K	7216lm	>80	69lm/W	104,8 W	46° / 15°
		4000K	8016lm		77lm/W		
		5000K	8384lm		81lm/W		
		2700K	5756lm	>90	55lm/W		
		3000K	6304lm		60lm/W		
		3000K	6764lm		65lm/W		
HB	230V AC 50Hz	3000K	9288lm	>80	69lm/W	135,2 W	46° / 15°
		4000K	11056lm		82lm/W		
		5000K	11008lm		82lm/W		
		2700K	7552lm	>90	56lm/W		
		3000K	8272lm		62lm/W		
		3000K	8708lm		65lm/W		
		3000K	10364lm	>80	77lm/W		
		4000K	10320lm		77lm/W		
		5000K	10320lm		77lm/W		
		2700K	7080lm	>90	53lm/W		
		3000K	7756lm		58lm/W		
		3000K	7756lm		58lm/W		

Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)



peso
weight
poids

montagem encastrada
recessed mounting
luminaire à encastrer

5,8 kg



155x541

medidas em mm | dimensions in mm | dimensions en mm

STAR 1A/2A/3A/4A LED

opcionais/acessórios optional/accessories optionnel/accessoires



reflector
reflector
reflecteur 46°



reflector e difusor
reflector and diffuser
reflecteur et le diffuseur 46°

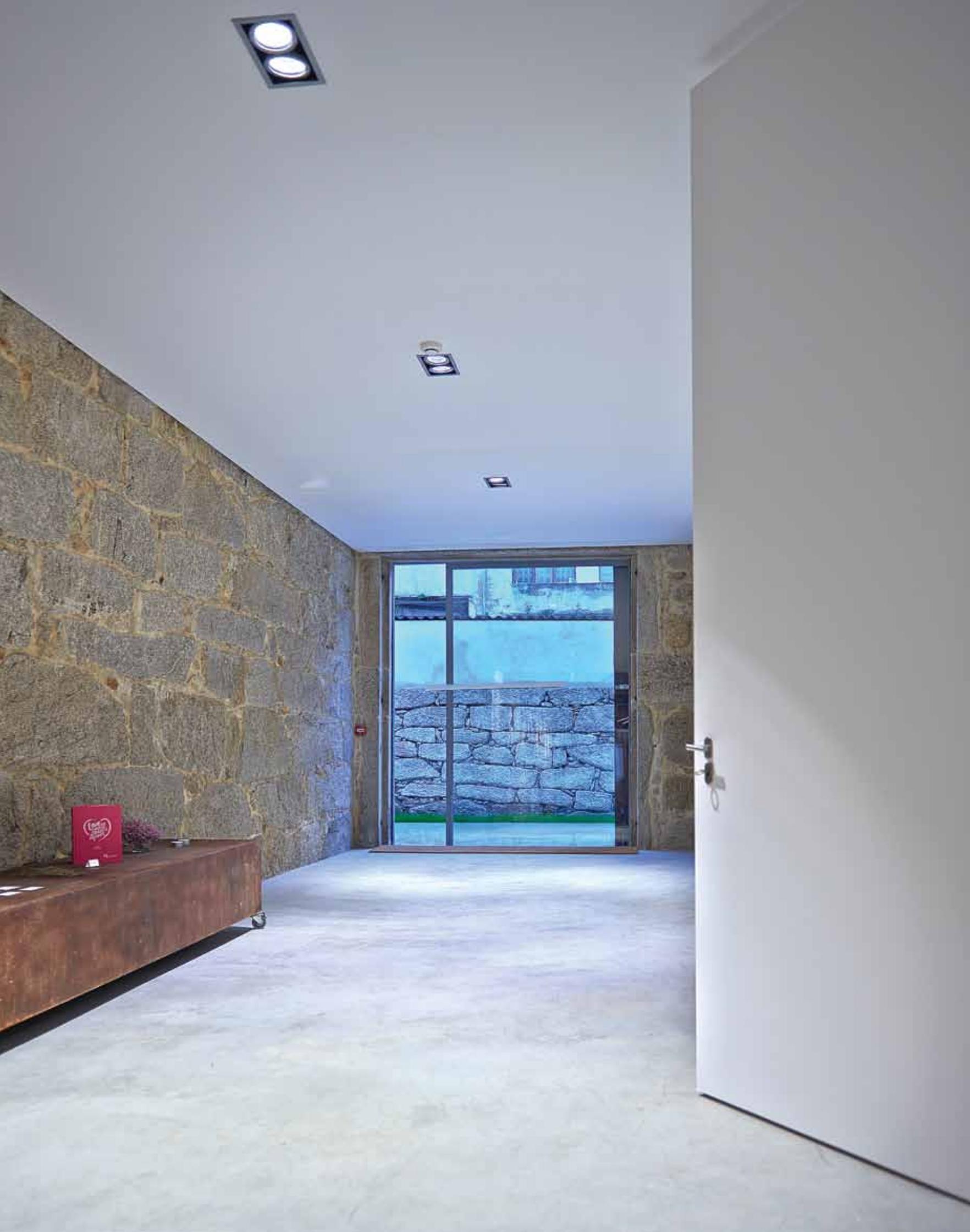


reflector
reflector
reflecteur 15°



reflector e difusor
reflector and diffuser
reflecteur et le diffuseur 15°







FOCUS LED



O equipamento FOCUS LED foi desenhado para permitir a substituição de downlights de encastrar orientáveis com lâmpadas de iodetos metálicos, recorrendo a tecnologia LED de elevado desempenho.

The FOCUS LED equipment was designed to allow the replacement of steerable recessed downlights of metal halide lamps, using high performance LED technology.

L'équipement FOCUS LED a été conçu pour permettre le remplacement des spots encastrables orientables qui contiennent des lampes aux halogénures métalliques utilisant la technologie LED qui permet une performance supérieure.

Montagem encastrada.
Iluminação direta.
Pré-aro em perfil de alumínio extrudido.
Corpo em aço termolacado a preto.
Reflector em policarbonato metalizado.
Difusor em policarbonato opalino (opção).
Orientável.
Equipamento de alimentação incorporado.
Diferentes temperaturas de cor disponíveis.
Elevado índice de restituição cromática (Ra~85).

Recessed mounted.
Direct lighting.
Extruded aluminum profile frame.
Black thermo-laquered steel body.
Metalized polycarbonate reflector.
Opal polycarbonate diffuser (Option).
Orientable.
Built-in control gear.
Available different color temperatures.
High chromatic restitution index (Ra~85).

Montage encastré.
Éclairage direct.
Cadre profilé extrudé en aluminium.
Corps en acier thermolaqué au noir.
Réflecteur en polycarbonate métallisé.
Diffuseur en polycarbonate opale (Optionnel).
Orientable.
Équipement incorporé.
Températures de couleurs différentes sont disponibles.
Indice de restitution chromatique élevé (Ra~85).

- preto, black, noir
RAL 9011
- branco, white, blanc
RAL 9003
- alumínio, aluminum, aluminium
RAL 9006
- antracite, anthracite, anthracite
RAL 7016



FOCUS 1A LED

versões versions versions

	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée	ângulo abertura beam angle angle d'ouverture
LB	230V AC 50Hz	3000K	1000lm	>80	76lm/W	12,6 W	46° / 15°
		4000K	1101lm		84lm/W		
		5000K	1162lm		88lm/W		
		2700K	795lm	>90	60lm/W		
		3000K	872lm		66lm/W		
		3000K	938lm		71lm/W		
MB	230V AC 50Hz	3000K	1804lm	>80	69lm/W	26,2 W	46° / 15°
		4000K	2004lm		77lm/W		
		5000K	2096lm		81lm/W		
		2700K	1439lm	>90	55lm/W		
		3000K	1576lm		60lm/W		
		3000K	1691lm		65lm/W		
HB	230V AC 50Hz	3000K	2322lm	>80	69lm/W	33,8 W	46° / 15°
		4000K	2764lm		82lm/W		
		5000K	2752lm		82lm/W		
		2700K	1888lm	>90	56lm/W		
		3000K	2068lm		62lm/W		
		3000K	2177lm		65lm/W		
		3000K	2591lm	>80	77lm/W		
		4000K	2580lm		77lm/W		
		5000K	2580lm		77lm/W		
		2700K	1770lm	>90	53lm/W		
		3000K	1939lm		58lm/W		
		3000K	1939lm		58lm/W		

Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)

Vista inferior
Bottom view
Vue de dessous

Vista lateral
Side view
Vue latérale

Vista frontal
Front view
Vue de face

peso
weight
poids

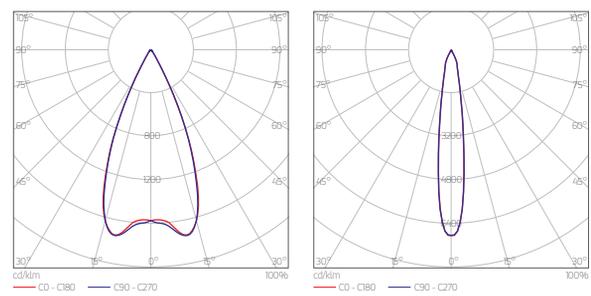
FOCUS 1A LED	1,6 kg
pré-aro recessing ring cadre	0,39 kg

pré-aro recessing ring cadre

Vista lateral
Side view
Vue latérale

Vista frontal
Front view
Vue de face

Vista superior
Top view
Vue d'en haut



FOCUS 1A/2A/3A/4A LED 46° FOCUS 1A/2A/3A/4A LED 15°

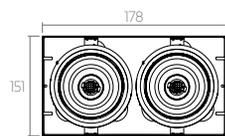


FOCUS 2A LED

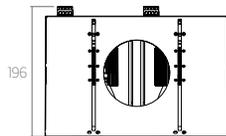
versões versions versions

	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée	ângulo abertura beam angle angle d'ouverture			
LB	230V AC 50Hz	3000K	2000lm	>80	76lm/W	25,2 W	46° / 15°			
		4000K	2220lm		84lm/W					
		5000K	2324lm		88lm/W					
		2700K	1590lm	>90	60lm/W					
		3000K	1744lm		66lm/W					
		3000K	1876lm		71lm/W					
MB	230V AC 50Hz	3000K	3608lm	>80	69lm/W	52,4 W	46° / 15°			
		4000K	4008lm		77lm/W					
		5000K	4192lm		81lm/W					
		2700K	2878lm	>90	55lm/W					
		3000K	3152lm		60lm/W					
		3000K	3382lm		65lm/W					
HB	230V AC 50Hz	3000K	4644lm	>80	69lm/W	67,6 W	46° / 15°			
		4000K	5528lm		82lm/W					
		5000K	5504lm		82lm/W					
		2700K	3776lm	>90	56lm/W					
		3000K	4136lm		62lm/W					
		3000K	4354lm		65lm/W					
		4000K	5182lm	>80	77lm/W					
		5000K	5160lm		77lm/W					
		2700K	3540lm		>90			53lm/W		
		3000K	3878lm	58lm/W						

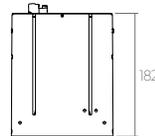
Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)



Vista inferior
Bottom view
Vue de dessous



Vista lateral
Side view
Vue latérale



Vista frontal
Front view
Vue de face



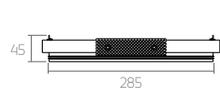
peso
weight
poids

FOCUS 2A LED	2,9 kg
pré-aro recessing ring cadre	0,44 kg

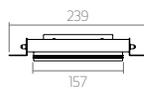
160x306

medidas em mm | dimensions in mm | dimensions en mm

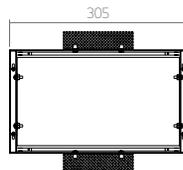
pré-aro recessing ring cadre



Vista lateral
Side view
Vue latérale



Vista frontal
Front view
Vue de face



Vista superior
Top view
Vue d'en haut



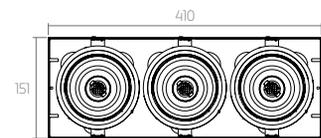


FOCUS 3A LED

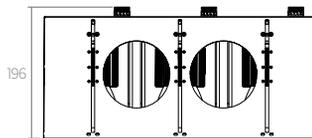
versões versions versions

	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée	ângulo abertura beam angle angle d'ouverture
LB	230V AC 50Hz	3000K	3000lm	>80	76lm/W	37,8 W	46° / 15°
		4000K	3330lm		84lm/W		
		5000K	3486lm		88lm/W		
		2700K	2385lm	>90	60lm/W		
		3000K	2616lm		66lm/W		
		3000K	2814lm		71lm/W		
MB	230V AC 50Hz	3000K	5412lm	>80	69lm/W	78,6 W	46° / 15°
		4000K	6012lm		77lm/W		
		5000K	6288lm		81lm/W		
		2700K	4317lm	>90	55lm/W		
		3000K	4728lm		60lm/W		
		3000K	5073lm		65lm/W		
HB	230V AC 50Hz	3000K	6966lm	>80	69lm/W	101,4 W	46° / 15°
		4000K	8292lm		82lm/W		
		5000K	8256lm		82lm/W		
		2700K	5664lm	>90	56lm/W		
		3000K	6204lm		62lm/W		
		3000K	6531lm		65lm/W		
		3000K	7773lm	>80	77lm/W		
		4000K	7740lm		77lm/W		
		5000K	7740lm		77lm/W		
		2700K	5310lm	>90	53lm/W		
		3000K	5817lm		58lm/W		
		3000K	5817lm		58lm/W		

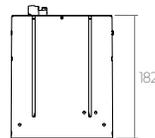
Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)



Vista inferior
Bottom view
Vue de dessous



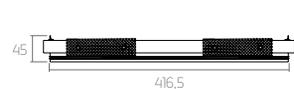
Vista lateral
Side view
Vue latérale



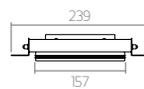
Vista frontal
Front view
Vue de face



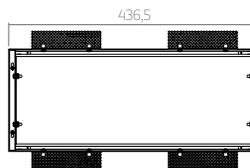
pré-aro recessing ring cadre



Vista lateral
Side view
Vue latérale



Vista frontal
Front view
Vue de face



Vista superior
Top view
Vue d'en haut



peso
weight
poids

FOCUS 3A LED 3,9 kg

pré-aro recessing ring cadre 0,55 kg

160x438

medidas em mm | dimensions in mm | dimensions en mm

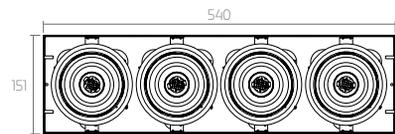


FOCUS 4A LED

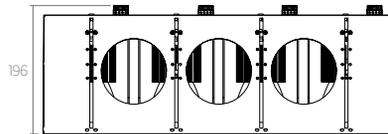
versões versions versions

	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée	ângulo abertura beam angle angle d'ouverture
LB	230V AC 50Hz	3000K	4000lm	>80	76lm/W	50,4 W	46° / 15°
		4000K	4440lm				
		5000K	4648lm				
		2700K	3180lm	>90	60lm/W		
		3000K	3488lm				
		3000K	3752lm				
MB	230V AC 50Hz	3000K	7216lm	>80	69lm/W	104,8 W	46° / 15°
		4000K	8016lm				
		5000K	8384lm				
		2700K	5756lm	>90	55lm/W		
		3000K	6304lm				
		3000K	6764lm				
HB	230V AC 50Hz	3000K	9288lm	>80	69lm/W	135,2 W	46° / 15°
		4000K	11056lm				
		5000K	11008lm				
		2700K	7552lm	>90	56lm/W		
		3000K	8272lm				
		3000K	8708lm				
		3000K	10364lm	>80	65lm/W		
		4000K	10320lm				
		5000K	10320lm				
		2700K	7080lm	>90	53lm/W		
		3000K	7756lm				
		3000K	7756lm				

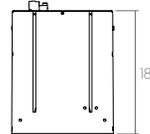
Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)



Vista inferior
Bottom view
Vue de dessous



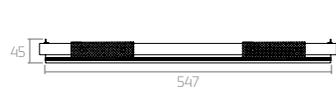
Vista lateral
Side view
Vue latérale



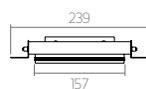
Vista frontal
Front view
Vue de face



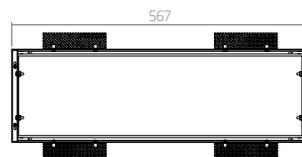
pré-aro recessing ring cadre



Vista lateral
Side view
Vue latérale



Vista frontal
Front view
Vue de face



Vista superior
Top view
Vue d'en haut



peso
weight
poids

FOCUS 4A LED	5,3 kg
pré-aro recessing ring cadre	0,61 kg

160x569

medidas em mm | dimensions in mm | dimensions en mm



reflector
reflector
reflecteur 46°



reflector e difusor
reflector and diffuser
reflecteur et le diffuseur 46°



reflector
reflector
reflecteur 15°



reflector e difusor
reflector and diffuser
reflecteur et le diffuseur 15°







MAGO

IP20



O equipamento MAGO foi desenhado para a iluminação de espaços interiores, assegurando uma elevada qualidade lumínica, reduzindo encandeamento e recorrendo a tecnologia de elevado desempenho.

The MAGO equipment was designed for interior lighting spaces, ensuring lumen output high quality, reducing glare and using technology for high performance.

L'équipement MAGO a été conçu pour l'éclairage des espaces intérieurs, en veillant à une lumière de haute qualité, réduisant l'éblouissement et utilisant la technologie de haut performance.

Montagem encastrada.

Corpo principal em gesso.

Aro em alumínio termolacado à cor.

Equipamento de alimentação incorporado.

Diferentes temperaturas de cor disponíveis.

Níveis de restituição cromática disponíveis.

Níveis de fluxo luminoso disponíveis.

Recessed mounting.

Aluminum main body.

Thermo-laquered colored aluminum ring.

Built-in control gear.

Available different color temperatures.

Available chromatic restitution levels.

Available luminous flux levels.

Luminaire à encastrer.

Corps principale en aluminium.

Anneau en aluminium thermolaqué coloré.

Équipement incorporé.

Températures de couleurs différentes sont disponibles.

Niveaux de restitution chromatique disponibles.

Niveaux de flux lumineux disponibles.

branco, white, blanc
RAL 9003

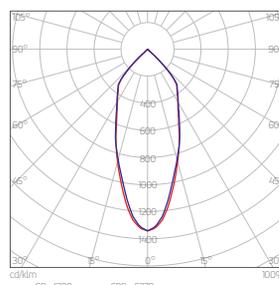


MAGO

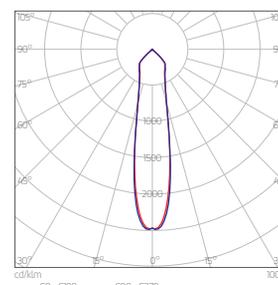
versões versions versions

	lâmpada lamp lampe	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous flux flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée	ângulo abertura beam angle angle d'ouverture	
SMALL MAGO									
	1x	QR CB51	12V AC 50Hz	-	-	-	max 50 W	-	
	1x	MR16	12V AC 50Hz	-	-	-	max 10 W	-	
	1x	Q PAR16	230V AC 50Hz	-	-	-	max 50 W	-	
	1x	HI PAR16	230V AC 50Hz	-	-	-	max 20 W	-	
	1x	FLUO PAR16	230V AC 50Hz	-	-	-	max 11 W	-	
	1x	MR PAR16	230V AC 50Hz	-	-	-	max 8 W	-	
	1x	TETRA x4 LED	230V AC 50Hz	3000K 4000K 5000K	313lm 328lm 340lm	>80	73lm/W 76lm/W 79lm/W	4,3 W	40° / 25° / 10°
	1x	TETRA x4 LED	230V AC 50Hz	3000K 4000K 5000K	526lm 553lm 578lm	>80	61lm/W 64lm/W 67lm/W	8,7 W	40° / 25° / 10°
	1x	TETRA x7 LED	230V AC 50Hz	3000K 4000K 5000K	532lm 564lm 585lm	>80	72lm/W 76lm/W 79lm/W	7,5 W	40° / 25° / 10°
	1x	TETRA x7 LED	230V AC 50Hz	3000K 4000K 5000K	692lm 729lm 761lm	>80	65lm/W 69lm/W 72lm/W	10,7 W	40° / 25° / 10°
	1x	DIKRO x4 LED	230V AC 50Hz	3000K 4000K 5000K	320lm 330lm 352lm	>80	76lm/W 78lm/W 84lm/W	4,2 W	-
	1x	DIKRO x4 LED	230V AC 50Hz	3000K 4000K 5000K	554lm 582lm 608lm	>80	64lm/W 67lm/W 70lm/W	8,7 W	-
LARGE MAGO									
	1x	QR111 LED LB	230V AC 50Hz	3000K 4000K 5000K 2700K 3000K	1543lm 1652lm 1673lm 1198lm 1240lm	>80 >90	113lm/W 121lm/W 123lm/W 88lm/W 91lm/W	13,7 W	44° / 16°
	1x	QR111 LED MB	230V AC 50Hz	3000K 4000K 5000K 2700K 3000K	2102lm 2252lm 2283lm 1627lm 1686lm	>80 >90	107lm/W 115lm/W 116lm/W 83lm/W 86lm/W	19,7 W	44° / 16°

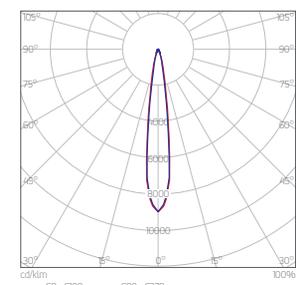
Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)



QR111 LED 44°



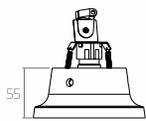
QR111 LED 16°



TETRA 10°

DOWNLIGHTS

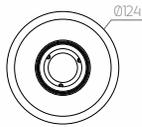
SMALL MAGO



Vista lateral
Side view
Vue latérale



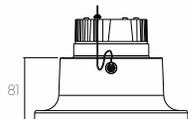
Vista frontal
Front view
Vue de face



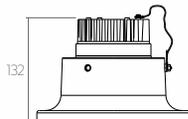
Vista inferior
Bottom view
Vue inférieure



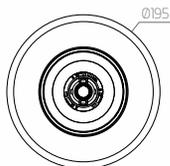
LARGE MAGO



Vista lateral
Side view
Vue latérale



Vista frontal
Front view
Vue de face



Vista inferior
Bottom view
Vue inférieure

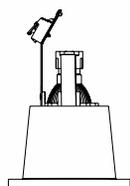


	peso weight poids
SMALL MAGO	0,4 kg
LARGE MAGO	0,5 kg

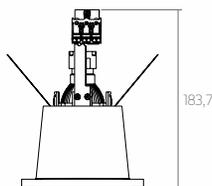


medidas em mm | dimensions in mm | dimensions en mm

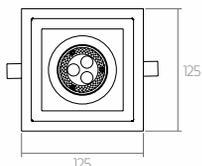
SMALL MAGO Q



Vista lateral
Side view
Vue latérale



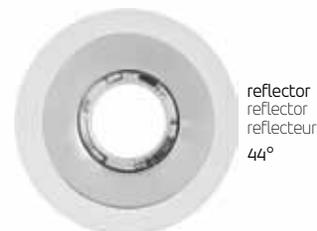
Vista frontal
Front view
Vue de face



Vista inferior
Bottom view
Vue inférieure

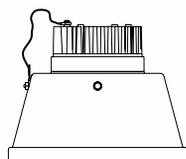


opcionais/accsórios
optional/accessories
optionnel/accessoires

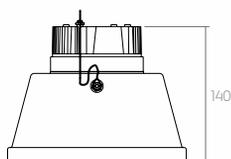


reflector
reflector
reflecteur
44°

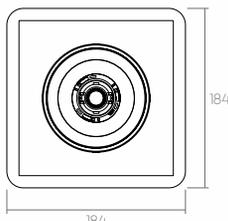
LARGE MAGO Q



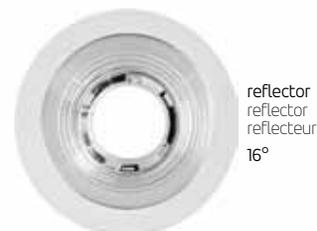
Vista lateral
Side view
Vue latérale



Vista frontal
Front view
Vue de face



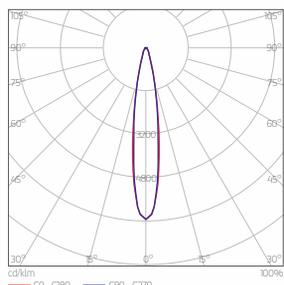
Vista inferior
Bottom view
Vue inférieure



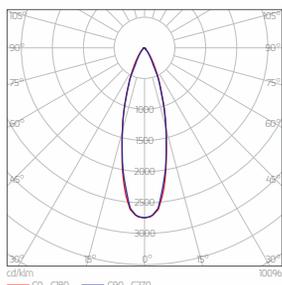
reflector
reflector
reflecteur
16°

	peso weight poids
SMALL MAGO Q	0,75 kg
LARGE MAGO Q	1,8 kg

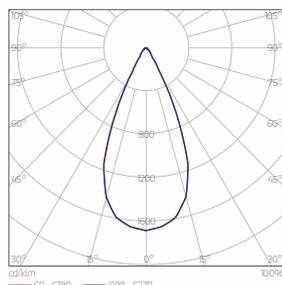
medidas em mm | dimensions in mm | dimensions en mm



TETRA 25°



TETRA 40°



DIKRO





Uma linha fortemente direcionada para o segmento retail ou para espaços onde a criação de atmosferas e contrastes de luz é imprescindível.

Os projetores Exporlux trazem flexibilidade a qualquer projeto, pela sua facilidade em se ajustarem sobre as calhas elétricas e pelos seus eixos de rotação que permitem direcionar o feixe de luz para o alvo a iluminar.

This is a line intended for retail areas or for spaces where the creation of ambience and lighting contrasts are indispensable.

Exporlux spotlights provide flexibility and adaptability to any project due to the ease with which they are adjusted on their track lighting rails and along their axes of rotation. This allows the light beam to be pointed directly at the desired area.

Une ligne fortement orientée vers le segment retail ou vers des espaces où la création d'ambiances et de contrastes de lumière est indispensable.

Les projecteurs Exporlux apportent de la souplesse à tout projet, grâce à leur facilité d'ajustement sur les rails électriques et leurs axes de rotation qui permettent de diriger la faisceau lumineux vers la cible à éclairer.

exporlux

Spotlights & Lighting Systems





ELUX



O equipamento ELUX reflete o revivalismo dos anos 80 conjugado com atuais tecnologias existentes no mercado.

The ELUX equipment reflects the revival of the 80's in conjunction with current technologies on the market.

L'équipement ELUX reflète le renouveau des années 80 en conjonction avec les technologies actuelles sur le marché.

Montagem em calha .
Iluminação direta.
Bola em cobre cromada ou alumínio termolacada à cor.
Haste em aço inox termolacada à cor.
Aro em alumínio termolacado à cor.
Orientável.

Track mounted.
Direct lighting.
Chrome copper or thermo-laquered colored aluminum ball.
Thermo-laquered colored stainless steel rod .
Thermo-laquered colored aluminium frame.
Adjustable.

Montage sur rail.
Éclairage direct.
Boule en cuivre chrome ou aluminium thermolaqué coloré.
Tige en acier inoxydable thermolaqué coloré.
Anneau en aluminium thermolaqué coloré.
Réglable.

-  preto, black, noir
RAL 9011
-  branco, white, blanc
RAL 9003
-  alumínio, aluminum, aluminium
RAL 9006
-  antracite, anthracite, anthracite
RAL 7016
-  cromado, chrome, chrome

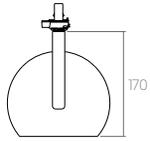
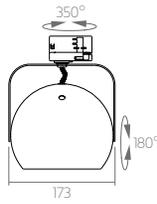
ELUX



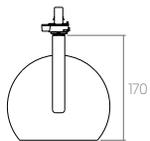
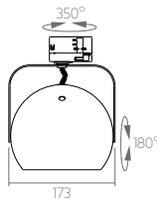
versões versions versions

			lâmpada lamp lampe	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	potência entrada input power puissance d'entrée
ELUX 1	1x	 GZ10	QPAR 16	230V AC 50Hz	-	max 50 W
ELUX 2	1x	 G53	AR111 LED	230V AC 50Hz	2700K 3000K	max 15 W

ELUX 1

Vista lateral
Side view
Vue latéraleVista frontal
Front view
Vue de faceVista inferior
Bottom view
Vue de dessous

ELUX 2

Vista lateral
Side view
Vue latéraleVista frontal
Front view
Vue de faceVista inferior
Bottom view
Vue de dessous

	peso weight poids
ELUX 1	0,6 kg
ELUX 2	0,5 kg

medidas em mm | dimensions in mm | dimensions en mm







MÁKINA





MAKINA resulta da analogia perfeita entre o conceito de uma máquina fotográfica com um projetor de iluminação técnica. Os elementos estão todos lá: corpo, objetiva, filtros, palas... e reúnem-se para de uma forma pura e minimalista o iluminar a cada tipo de projecto.

MAKINA results from the perfect analogy between a camera concept and a projector of technical lighting. The elements are all there: body, lens, filters, visors ... and these elements come together to brighten every type of project in a pure and minimalist way.

MAKINA est le résultat de l'analogie parfaite entre le concept d'un appareil photo et un projecteur d'éclairage technique. Les éléments sont tous là: corps, lentilles, filtres, visières ... et ils se réunissent de sorte pure et minimaliste pour illuminer tout type de projet.

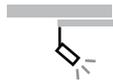
Montagem em calha ou saliente.
Iluminação direta.
Corpo em alumínio e aço termolacado à cor.
Orientável.
Equipamento de alimentação incorporado.
Diferentes temperaturas de cor disponíveis.

Track or surface mounting.
Direct lighting.
Thermo-laquered colored aluminum and steel body.
Adjustable.
Built-in control gear.
Available different color temperatures.

Montage sur rail ou en surface.
Éclairage direct.
Corps en aluminium et en acier thermolaqué coloré.
Réglable.
Équipement incorporé.
Températures de couleurs différentes sont disponibles.

	preto, black, noir RAL 9011
	branco, white, blanc RAL 9003
	alumínio, aluminum, aluminium RAL 9006
	antracite, anthracite, anthracite RAL 7016

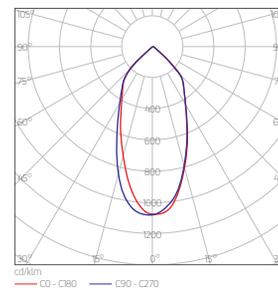
MÁKINA



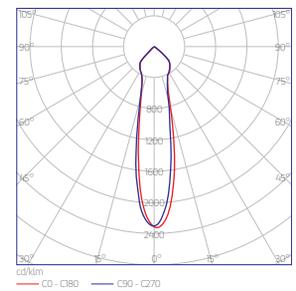
versões versions versions

	lâmpada lamp lampe	alimentação supply alimentation	temperatura de cor color temperature température couleur	fluxo luminoso luminous flux flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée	ângulo abertura beam angle angle d'ouverture
MÁKINA 1	1x HR111 GX8,5	230V AC 50Hz	-	-	-	-	max 70 W	-
	1x QR111 G53	230V AC 50Hz	-	-	-	-	max 75 W	-
MÁKINA 2	1x QR111 LED LB	230V AC 50Hz	3000K 4000K 5000K 2700K 3000K	1543lm 1652lm 1673lm 1198lm 1240lm	>80 >90	113lm/W 121lm/W 123lm/W 88lm/W 91lm/W	13,7 W	44° / 16°
	1x QR111 LED MB	230V AC 50Hz	3000K 4000K 5000K 2700K 3000K	2102lm 2252lm 2283lm 1627lm 1686lm	>80 >90	107lm/W 115lm/W 116lm/W 83lm/W 86lm/W	19,7 W	44° / 16°

Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)

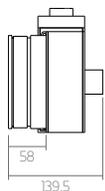


MÁKINA 2 QR111 LED 44°

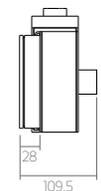


MÁKINA 2 QR111 LED 16°

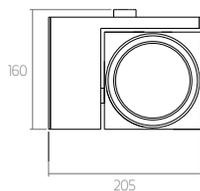
MÁKINA 1



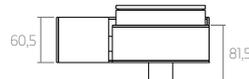
Com grelha 1
With grid 1
Avec grille



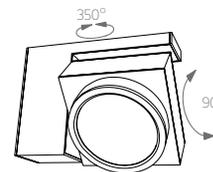
Vista lateral
Side view
Vue latérale



Vista frontal
Front view
Vue de face



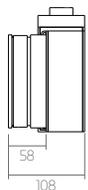
Vista inferior
Bottom view
Vue de dessous



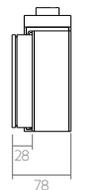
peso
weight
poids

MÁKINA 1 1,8 kg

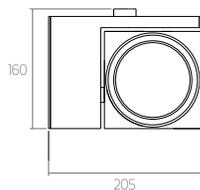
MÁKINA 2



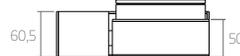
Com grelha 1
With grid 1
Avec grille



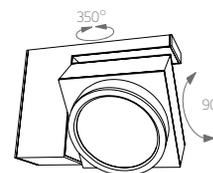
Vista lateral
Side view
Vue latérale



Vista frontal
Front view
Vue de face



Vista inferior
Bottom view
Vue de dessous



MÁKINA 2 1,8 kg

medidas em mm | dimensions in mm | dimensions en mm

opcionais/acessórios optional/accessories optionnel/accessoires



reflector
reflector 44°
reflecteur



reflector
reflector 16°
reflecteur



MINI MÁKINA

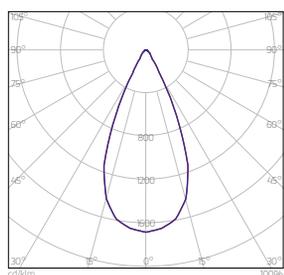
MINI MÁKINA



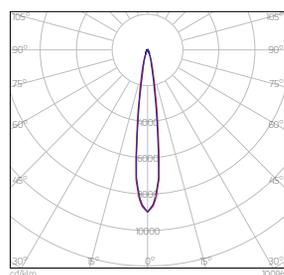
versões versions versions

	lâmpada lamp lampe	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous flux flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée	ângulo abertura beam angle angle d'ouverture
MINI MÁKINA 1	1x G5,3 MR16	230V AC 50Hz	-	-	-	-	max 10 W	-
	1x G5,3 QR CB51	230V AC 50Hz	-	-	-	-	max 50 W	-
	1x GZ10 QPAR16	230V AC 50Hz	-	-	-	-	max 50 W	-
	1x GX10 HI PAR16	230V AC 50Hz	-	-	-	-	max 20 W	-
	1x GU10 MR PAR16	230V AC 50Hz	-	-	-	-	max 8 W	-
	1x PGJ5 HIT-TC	230V AC 50Hz	-	-	-	-	35 W	-
MINI MÁKINA 2	1x TETRA x4 LED	230V AC 50Hz	3000K 4000K 5000K	313lm 328lm 340lm	>80	73lm/W 76lm/W 79lm/W	4,3 W	- 40° / 25° / 10°
	1x TETRA x4 LED	230V AC 50Hz	3000K 4000K 5000K	526lm 553lm 578lm	>80	61lm/W 64lm/W 67lm/W	8,7 W	- 40° / 25° / 10°
	1x TETRA x7 LED	230V AC 50Hz	3000K 4000K 5000K	532lm 564lm 585lm	>80	72lm/W 76lm/W 79lm/W	7,5 W	- 40° / 25° / 10°
	1x TETRA x7 LED	230V AC 50Hz	3000K 4000K 5000K	692lm 729lm 761lm	>80	65lm/W 69lm/W 72lm/W	10,7 W	- 40° / 25° / 10°
	1x DIKRO x4 LED	230V AC 50Hz	3000K 4000K 5000K	320lm 330lm 352lm	>80	76lm/W 78lm/W 84lm/W	4,2 W	-
	1x DIKRO x4 LED	230V AC 50Hz	3000K 4000K 5000K	554lm 582lm 608lm	>80	64lm/W 67lm/W 70lm/W	8,7 W	-

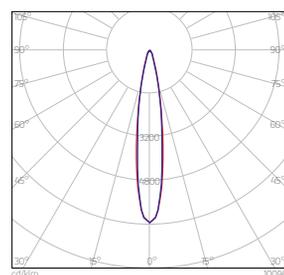
Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)



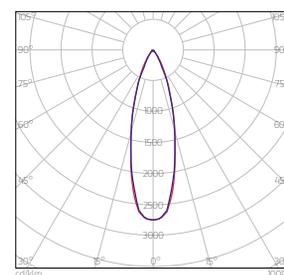
DIKRO



TETRA 10°



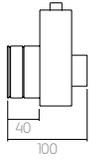
TETRA 25°



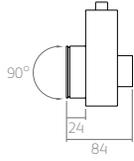
TETRA 40°



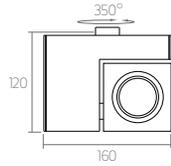
MINI MÁKINA 1



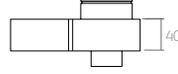
Com grelha 1
With grid 1
Avec grille



Vista lateral
Side view
Vue latérale

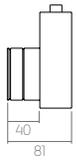


Vista frontal
Front view
Vue de face

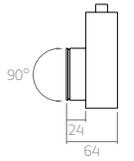


Vista inferior
Bottom view
Vue inférieure

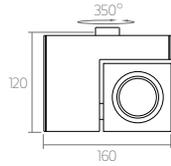
MINI MÁKINA 2



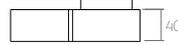
Com grelha 1
With grid 1
Avec grille



Vista lateral
Side view
Vue latérale



Vista frontal
Front view
Vue de face



Vista inferior
Bottom view
Vue inférieure

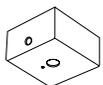
	peso weight poids
MINI MÁKINA 1	0,73 kg
MINIMÁKINA 2	0,69 kg

medidas em mm | dimensions in mm | dimensions en mm

MÁKINA / MINI MÁKINA

opcionais/acessórios optional/accessories optionnel/accessoires

adaptações | adaptations | adaptations

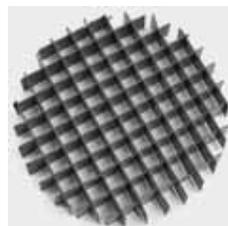


base | base | base



calha | track | rail

acessórios | accessories | accessoires

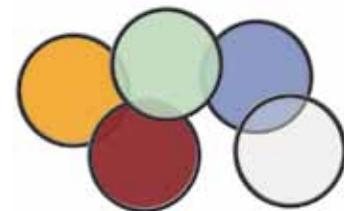


grelha | grid | grille



pala | visor | pala

filtros de luz | light filters | filtres de lumière



apenas é aplicado um filtro por aparelho
in each device is applied only one filter
un seul filtre est appliqué par l'appareil



MIUSE



MIUSE surge com um objetivo proporcionar uma iluminação focal e objetiva, conotando-se com as suas formas simples e minimalistas.

Na união destas formas simples surge a necessidade de tornar mais leve o conceito, criando a ilusão que o corpo ótico flutua no ar.

MIUSE comes with an object to provide a focal lens and lighting, connoting with its simple and minimalist shapes.

The union of these simple forms is the need to lighten the concept, creating the illusion that the optical body floats in the air.

MIUSE est livré avec un but de fournir une lentille focale et l'éclairage, connotant avec ses formes simples et minimalistes.

L'union de ces formes simples est la nécessité d'alléger le concept, créant l'illusion que le corps optique flotte dans l'air.

Montagem em calha ou saliente.

Iluminação direta.

Corpo em alumínio e aço termolacado à cor.

Orientável.

Equipamento de alimentação incorporado.

Diferentes temperaturas de cor disponíveis.

Track or surface mounted.

Direct lighting.

Thermo-laquered colored aluminum and steel body.

Adjustable.

Available different color temperatures.

Montage sur rail ou en surface.

Éclairage direct.

Corps en aluminium et en acier thermolaqué coloré.

Réglable.

Équipement incorporé.

Températures de couleurs différentes sont disponibles.

■	preto, black, noir RAL 9011
■	branco, white, blanc RAL 9003
■	alumínio, aluminum, aluminium RAL 9006
■	antracite, anthracite, anthracite RAL 7016

MIUSE

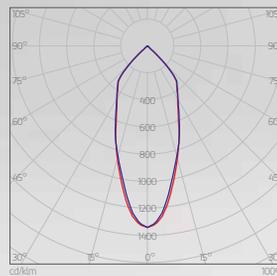


versões versions versions

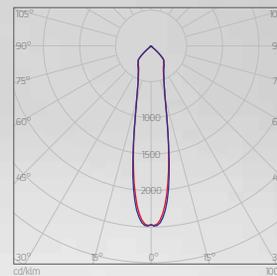
		lâmpada lamp lampe	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée	ângulo abertura beam angle angle d'ouverture
SMALL MIUSE	1x	QPAR16	230V AC 50Hz	-	-	-	-	max 50 W	-
	1x	HI PAR16	230V AC 50Hz	-	-	-	-	max 20 W	-
	1x	MR PAR16	230V AC 50Hz	-	-	-	-	max 8 W	-
LARGE MIUSE	1x	HIR111	230V AC 50Hz	-	-	-	-	max 70 W	-
	1x	QR111	230V AC 50Hz	-	-	-	-	max 50 W	-
	1x	AR111 LED	230V AC 50Hz	-	-	-	-	max 15 W	-
SMALL MIUSE	1x	CDM-TC	230V AC 50Hz	-	-	-	-	35 W	-
	1x	HIT-TC	230V AC 50Hz	-	-	-	-	35 W	-
LARGE MIUSE	1x	QR111 LED LB	230V AC 50Hz	3000K 4000K 5000K	1543lm 1652lm 1673lm	>80	113lm/W 121lm/W 123lm/W	13,7 W	44° / 16°
	1x	QR111 LED MB	230V AC 50Hz	3000K 4000K 5000K	2102lm 2252lm 2283lm	>80	107lm/W 115lm/W 116lm/W	19,7 W	44° / 16°
SMALL MIUSE	1x	TETRA x4 LED	230V AC 50Hz	3000K 4000K 5000K	313lm 328lm 340lm	>80	73lm/W 76lm/W 79lm/W	4,3 W	40° / 25° / 10°
	1x	TETRA x4 LED	230V AC 50Hz	3000K 4000K 5000K	526lm 553lm 578lm	>80	61lm/W 64lm/W 67lm/W	8,7 W	40° / 25° / 10°
	1x	TETRA x7 LED	230V AC 50Hz	3000K 4000K 5000K	532lm 564lm 585lm	>80	72lm/W 76lm/W 79lm/W	7,5 W	40° / 25° / 10°
	1x	TETRA x7 LED	230V AC 50Hz	3000K 4000K 5000K	692lm 729lm 761lm	>80	65lm/W 69lm/W 72lm/W	10,7 W	40° / 25° / 10°
	1x	DIKRO x4 LED	230V AC 50Hz	3000K 4000K 5000K	320lm 330lm 352lm	>80	76lm/W 78lm/W 84lm/W	4,2 W	-
	1x	DIKRO x4 LED	230V AC 50Hz	3000K 4000K 5000K	554lm 582lm 608lm	>80	64lm/W 67lm/W 70lm/W	8,7 W	-

Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)

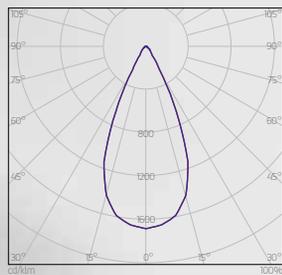




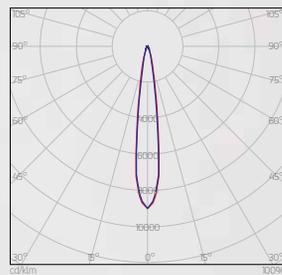
QR11 LED 44°



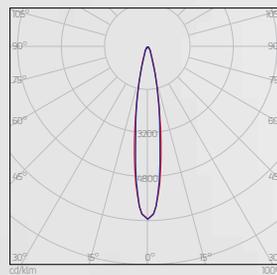
QR11 LED 16°



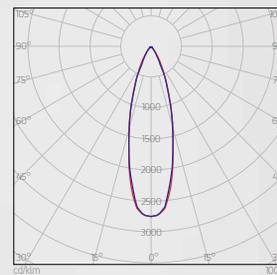
DIKRO



TETRA 10°

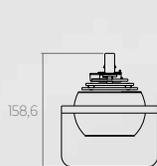


TETRA 25°

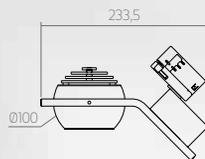


TETRA 40°

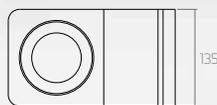
SMALL MIUSE



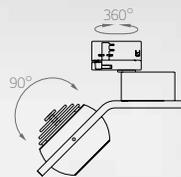
Vista lateral
Side view
Vue latérale



Vista frontal
Front view
Vue de face

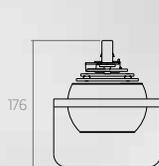


Vista inferior
Bottom view
Vue inférieure

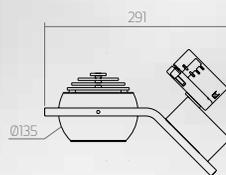


	peso weight poids
SMALL MIUSE	1 kg
LARGE MIUSE	1,5 kg

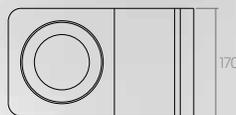
LARGE MIUSE



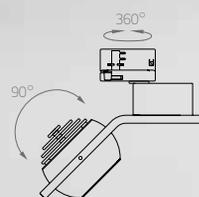
Vista lateral
Side view
Vue latérale



Vista frontal
Front view
Vue de face



Vista inferior
Bottom view
Vue inférieure



medidas em mm | dimensions in mm | dimensions en mm

opcionais/acessórios optional/accessories optionnel/accessoires



calha
track
rail



reflector
reflector
reflecteur 44°



reflector
reflector
reflecteur 16°



ORBIT



O equipamento ORBIT foi desenhado para iluminação de espaços interiores. Com o seu design subtil e minimalista fornece uma iluminação agradável.

The ORBIT equipment was designed for interior spaces recessed lighting. With its subtle and minimalist design provides a pleasant lighting.

L'équipement ORBIT a été conçu pour l'éclairage encastrée des espaces intérieurs. Avec son design subtil et minimaliste offre un éclairage agréable.

Montagem em calha.
Iluminação direta.
Corpo em alumínio e aço termolacado à cor.
Reflector em alumínio brilhante.
Equipado com vidro de proteção.
Orientável.
Equipamento de alimentação incorporado.

Track mounted.
Direct lighting.
Thermolacquered to color aluminium and steel body.
Bright aluminium reflector.
Equipped with protection glass.
Adjustable.
Built-in control gear.

Montage sur rail.
Éclairage direct.
Corps en aluminium et en acier thermolaqué.
Réflecteur en aluminium brillant.
Equipé avec verre de protection.
Réglable.
Équipement incorporé.

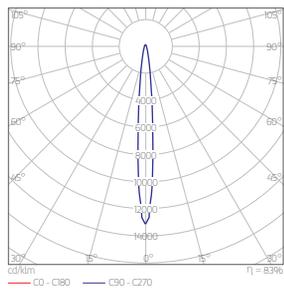
- preto, black, noir
RAL 9011
- branco, white, blanc
RAL 9003
- alumínio, aluminum, aluminium
RAL 9006
- antracite, anthracite, anthracite
RAL 7016

ORBIT

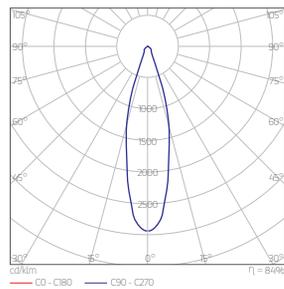


versões versions versions

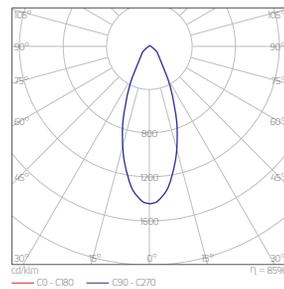
	lâmpada lamp lampe	alimentação supply alimentation	temperatura de cor color temperature température couleur	fluxo luminoso luminous flux flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée	ângulo abertura beam angle angle d'ouverture
1x	 G8,5 HIT-TC	230V AC 50Hz	-	-	-	-	max 70 W	12° / 24° / 36° / 60°



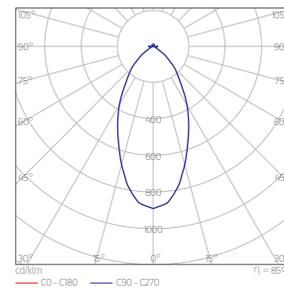
ORBIT 12°



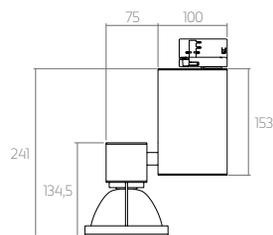
ORBIT 24°



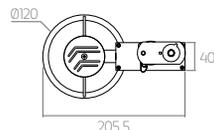
ORBIT 36°



ORBIT 60°



Vista frontal
Front view
Vue de face



Vista superior
Top view
Vue de dessus

	peso weight poids
montagem saliente surface mounting montage saillant	1,7 kg

medidas em mm | dimensions in mm | dimensions en mm

opcionais/acessórios optional/accessories optionnel/accessoires



reflector
reflector
reflecteur 60°



reflector
reflector
reflecteur 36°



reflector
reflector
reflecteur 24°



reflector
reflector
reflecteur 12°



exporlux

PETRI LED

CE 230 V AC 50Hz  IP20  140°  355° 

O equipamento PETRI LED foi desenhado para permitir a substituição de projetores de iodetos metálicos para aplicação em calha electrificada ou saliente, recorrendo a tecnologia LED de elevado desempenho.

The PETRI LED equipment was designed to allow the replacement of metal halide projectors for use in electrified track or surface mounting, using high performance LED technology.

L'équipement PETRI LED a été conçu pour permettre le remplacement des projecteurs aux halogénures métalliques sur rail électrifié ou en surface, en utilisant la technologie LED pour des performances.

Montagem em calha ou saliente.

Corpo em alumínio e chapa de aço termolacada à cor.

Reflector em policarbonato metalizado.

Difusor em policarbonato opalino (opção).

Orientável.

Equipamento de alimentação incorporado.

Diferentes temperaturas de cor disponíveis.

Elevado índice de restituição cromática (Ra 85).

Track or surface mounting.

Thermo lacquered aluminium and steel body.

Metalized polycarbonate reflector.

Opal polycarbonate diffuser (Option).

Orientable.

Built-in control gear.

Available different color temperatures.

High index chromatic restitution (Ra 85).

Montage sur rail ou en surface.

Corps en aluminium et en acier thermolaqué.

Réflecteur en polycarbonate métallisé.

Diffuseur en polycarbonate opale (Optionel).

Orientable.

Equipement incorporé.

Températures de couleurs différentes sont disponibles.

Indice de restitution chromatique (Ra~ 85) élevé.

-  preto, black, noir
RAL 9011
-  branco, white, blanc
RAL 9003
-  alumínio, aluminum, aluminium
RAL 9006
-  antracite, anthracite, anthracite
RAL 7016



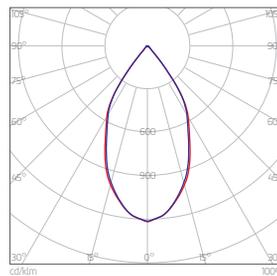
PETRI LED



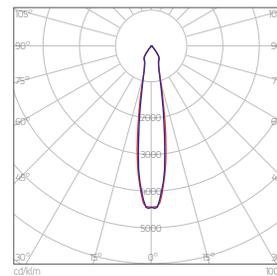
versões versions versions

		alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée	ângulo abertura beam angle angle d'ouverture
LB	sem difusor without diffuser sans diffuseur	230V AC 50Hz	3000K	1077lm	>80	85lm/W	12,5 W	56° / 18°
			4000K	1222lm		98lm/W		
			5000K	1285lm		103lm/W		
	com difusor with diffuser avec diffuseur		2700K	876lm	>90	70lm/W		
			3000K	959lm		77lm/W		
			3000K	991lm		80lm/W		
MB	sem difusor without diffuser sans diffuseur	230V AC 50Hz	3000K	1896lm	>80	73lm/W	26 W	56° / 18°
			4000K	2153lm		83lm/W		
			5000K	2257lm		87lm/W		
	com difusor with diffuser avec diffuseur		2700K	1535lm	>90	59lm/W		
			3000K	1683lm		65lm/W		
			3000K	1746lm		68lm/W		
HB	sem difusor without diffuser sans diffuseur	230V AC 50Hz	3000K	2464lm	>80	74lm/W	33,5 W	56° / 18°
			4000K	2799lm		84lm/W		
			5000K	2930lm		88lm/W		
	com difusor with diffuser avec diffuseur		2700K	1990lm	>90	60lm/W		
			3000K	2182lm		66lm/W		
			3000K	2268lm		68lm/W		
UB	sem difusor without diffuser sans diffuseur	230V AC 50Hz	2700K	3104lm	>80	74lm/W	42 W	56° / 18°
			3000K	3332lm		79lm/W		
			4000K	3560lm		85lm/W		
	com difusor with diffuser avec diffuseur		5000K	3606lm	>80	86lm/W		
			2700K	2855lm		68lm/W		
			3000K	3065lm		73lm/W		
			4000K	3275lm		78lm/W		
			5000K	3317lm		79lm/W		

Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)



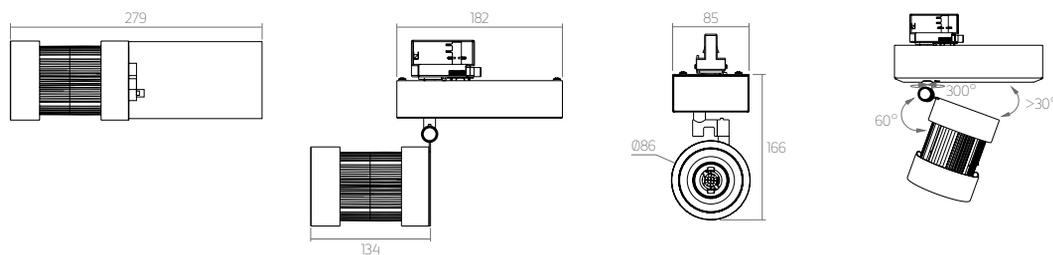
PETRI LED 56°



PETRI LED 18°

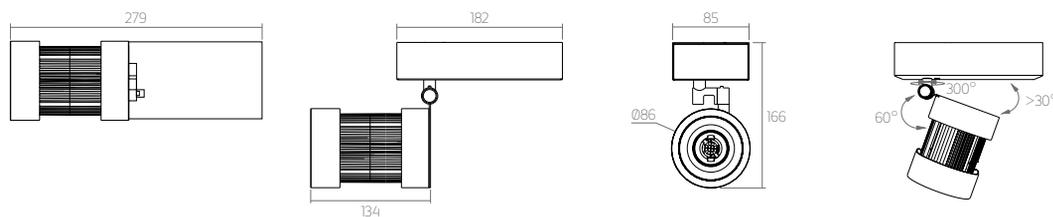
PETRI LED

montagem em calha rail mounting montage sur rail



PETRI LED

montagem saliente surface mounting montage saillant



	peso weight poids
montagem em calha rail mounting montage sur rail	1,1 kg
montagem saliente surface mounting montage saillant	1,2 kg

medidas em mm | dimensions in mm | dimensions en mm



opcionais/acessórios optional/accessories optionnel/accessoires

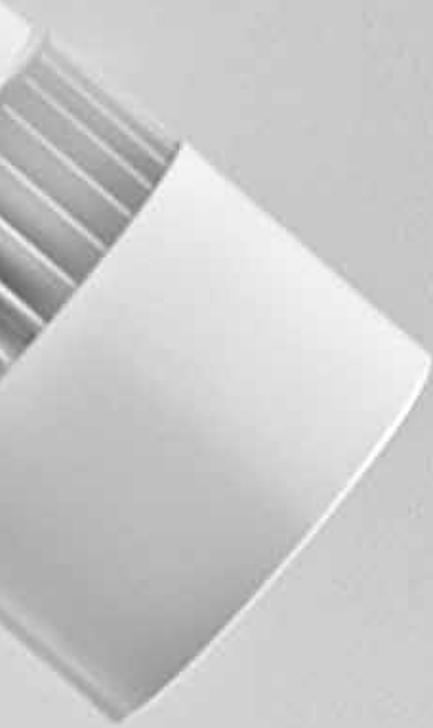


reflector
reflector 56°
reflecteur

reflector
reflector 18°
reflecteur



PIRET LED



O equipamento PIRET LED foi desenhado para permitir a substituição de projetores de iodetos metálicos para aplicação em calha electrificada, recorrendo a tecnologia LED de elevado desempenho.

The PIRET LED equipment was designed to allow the replacement of metal halide projectors for use in electrified track, using high performance LED technology.

L'équipement PIRET LED a été conçu pour permettre le remplacement des projecteurs aux halogénures métalliques sur rail électrifié, en utilisant la technologie LED pour des performances.

	preto, black, noir RAL 9011
	branco, white, blanc RAL 9003
	aluminio, aluminum, aluminium RAL 9006
	antracite, anthracite, anthracite RAL 7016



Montagem encastrada.
Iluminação direta.
Aro de remate em aço termolacado à cor.
Corpo em alumínio injectado.
Reflector em policarbonato metalizado.
Difusor em policarbonato opalino (opção).
Orientável.
Equipamento de alimentação incorporado.
Diferentes temperaturas de disponíveis.
Elevado índice de restituição cromática (Ra~85).

Recessed mounted.
Direct lighting.
Thermo-laquered colored steel ring.
Die cast aluminium body.
Metalized polycarbonate reflector.
Opal polycarbonate diffuser (Option).
Adjustable.
Built-in control gear.
Available different color temperatures.
High chromatic restitution index (Ra~85).

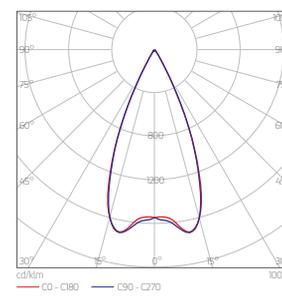
Montage encastré.
Éclairage direct.
Anneau en acier thermolaqué coloré.
Corps en aluminium injecté.
Réflecteur en polycarbonate métallisé.
Diffuseur en polycarbonate opale (Optionel).
Réglable.
Équipement incorporé.
Températures de couleurs différentes sont disponibles.
Indice de restitution chromatique élevé (Ra~85).

PIRET LED 

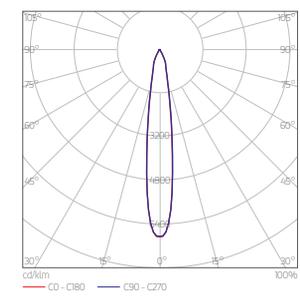
versões versions versions

	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée	ângulo abertura beam angle angle d'ouverture
HB	230V AC 50Hz	3000K	1745lm	>80	74lm/W	23,5 W	46° / 15°
		4000K	2082lm		89lm/W		
		5000K	2070lm		88lm/W		
		2700K	1417lm	>90	60lm/W		
		3000K	1553lm		66lm/W		
		3000K	1636lm		70lm/W		
com difusor with diffuser avec diffuseur	230V AC 50Hz	3000K	1952lm	>80	83lm/W	23,5 W	46° / 15°
		4000K	1941lm		83lm/W		
		5000K	1941lm		83lm/W		
		2700K	1328lm	>90	57lm/W		
		3000K	1456lm		62lm/W		

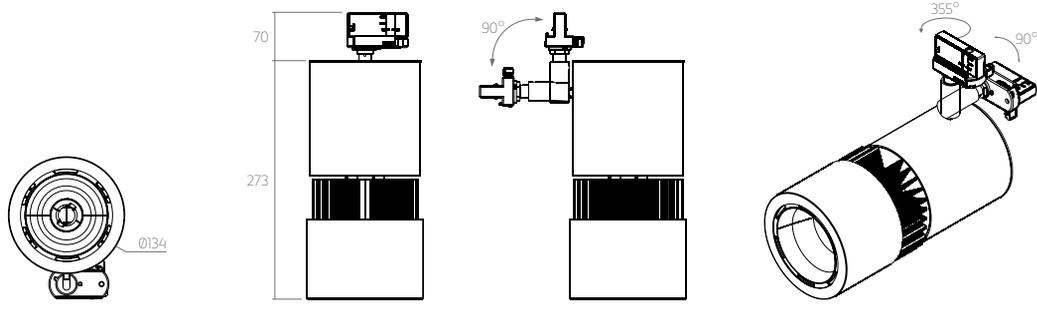
Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)



PIRET LED 46°



PIRET LED 15°



Vista inferior Bottom view Vue inférieure
 Vista frontal Front view Vue de face
 Vista lateral Side view Vue latérale

peso weight poids	1,8 kg
montagem saliente surface mounting montage saillant	

medidas em mm | dimensions in mm | dimensions en mm



opcionais/acessórios optional/accessories optionnel/accessoires



reflector reflector 46°
 reflector e difusor reflector and diffuser 46°
 reflector reflector 15°
 reflector e difusor reflector and diffuser 15°





REFLEX LED



O equipamento REFLEX LED foi desenhado para permitir a substituição de projetores de iodetos metálicos para aplicação em calha electrificada ou saliente, recorrendo a tecnologia LED de elevado desempenho.

The REFLEX LED equipment was designed to allow the replacement of metal halide projectors for use in electrified track or surface mounting, using high performance LED technology.

L'équipement REFLEX LED a été conçu pour permettre le remplacement des projecteurs aux halogénures métalliques sur rail électrifié ou en surface, en utilisant la technologie LED pour des performances.

Montagem em calha.
Iluminação direta.
Corpo em aço termolacado à cor.
Caixa de equipamento em policarbonato.
Reflector em policarbonato metalizado.
Difusor em policarbonato opalino (opção).
Orientável.
Equipamento de alimentação incorporado.
Diferentes temperaturas de cor disponíveis.
Elevado índice de restituição cromática (Ra>85).

Track mounted.
Direct lighting.
Thermo-lacquered to color steel body.
Polycarbonate control gear box.
Metalized polycarbonate reflector.
Opal polycarbonate diffuser (Option).
Adjustable.
Built-in control gear.
Available different color temperatures.
High chromatic restitution index (Ra>85).

Montage sur rail.
Éclairage direct.
Corps en acier thermolaqué coloré.
Réflecteur en polycarbonate métallisé.
Diffuseur en polycarbonate opale (Optionel).
Réglable.
Équipement incorporé.
Températures de couleurs différent sont disponibles.
Indice de restitution chromatique élevé (Ra>85).

-  preto, black, noir
RAL 9011
-  branco, white, blanc
RAL 9003
-  alumínio, aluminum, aluminium
RAL 9006



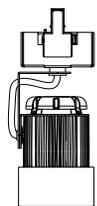
versões versions versions

	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée	ângulo abertura beam angle angle d'ouverture
LB	230V AC 50Hz	3000K	1077lm	>80	85lm/W	12,5 W	56° / 18°
		4000K	1222lm		98lm/W		
		5000K	1285lm		103lm/W		
		2700K	876lm	>90	70lm/W		
		3000K	959lm		77lm/W		
		3000K	991lm		80lm/W		
MB	230V AC 50Hz	3000K	1896lm	>80	73lm/W	26 W	56° / 18°
		4000K	2153lm		83lm/W		
		5000K	2257lm		87lm/W		
		2700K	1535lm	>90	59lm/W		
		3000K	1683lm		65lm/W		
		3000K	1746lm		68lm/W		
HB	230V AC 50Hz	3000K	2464lm	>80	74lm/W	33,5 W	56° / 18°
		4000K	2799lm		84lm/W		
		5000K	2930lm		88lm/W		
		2700K	1990lm	>90	60lm/W		
		3000K	2182lm		66lm/W		
		3000K	2268lm		68lm/W		
		3000K	2268lm	>80	68lm/W		
		4000K	2577lm		77lm/W		
		5000K	2697lm		81lm/W		
		2700K	1831lm	>90	55lm/W		
		3000K	2009lm		60lm/W		
		3000K	2009lm		60lm/W		

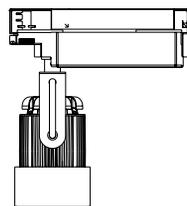
Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)

REFLEX LED

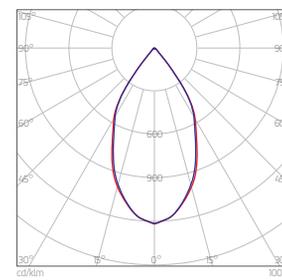
montagem em calha rail mounting montage sur rail



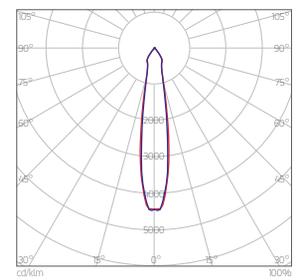
Vista lateral
Side view
Vue latérale



Vista frontal
Front view
Vue de face



REFLEX LED 56°



REFLEX LED 18°

peso
weight
poids

montagem saliente
surface mounting
montage saillant

0,9 kg

medidas em mm | dimensions in mm | dimensions en mm

opcionais/acessórios optional/accessories optionnel/accessoires



reflector
reflector
reflecteur 56°



reflector
reflector
reflecteur 18°



ROX LED





O equipamento ROX LED foi desenhado para permitir a substituição de projetores de iodetos metálicos para aplicação em calha electrificada, recorrendo a tecnologia LED de elevado desempenho.

The ROX LED equipment was designed to allow the replacement of metal halide projectors for use in electrified track, using high performance LED technology.

L'équipement ROX LED a été conçu pour permettre le remplacement des projecteurs aux halogénures métalliques sur rail électrifié, en utilisant la technologie LED pour des performances.

	preto, black, noir RAL 9011
	branco, white, blanc RAL 9003
	aluminio, aluminum, aluminium RAL 9006
	antracite, anthracite, anthracite RAL 7016

Montagem em calha.
Iluminação direta.
Corpo em alumínio e aço termolacado à cor.
Reflector em policarbonato metalizado.
Difusor em policarbonato opalino (opção).
Orientável.
Equipamento de alimentação incorporado.
Diferentes temperaturas de disponíveis.
Elevado índice de restituição cromática (Ra~85).

Track mounted.
Direct lighting.
Thermo-laquered colored aluminum and steel body.
Metalized polycarbonate reflector.
Opal polycarbonate diffuser (Option).
Adjustable.
Built-in control gear.
Available different color temperatures.
High chromatic restitution index (Ra~85).

Montage sur rail.
Éclairage direct.
Corps en aluminium et en acier thermolaqué coloré.
Réflecteur en polycarbonate métallisé.
Diffuseur en polycarbonate opale (Optionel).
Réglable.
Équipement incorporé.
Températures de couleurs différentes sont disponibles.
Indice de restitution chromatique élevé (Ra~85).

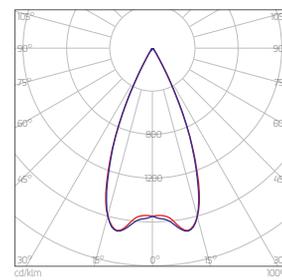


ROX LED

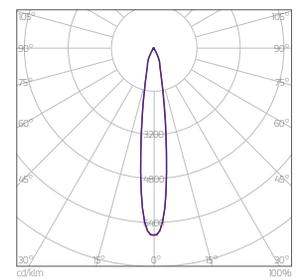
versões versions versions

	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée	ângulo abertura beam angle angle d'ouverture
HB	230V AC 50Hz	3000K	2208lm	>80	67lm/W	33 W	46° / 15°
		4000K	2664lm		81lm/W		
		5000K	2628lm		80lm/W		
		2700K	1789lm	>90	55lm/W		
		3000K	1962lm		60lm/W		
		3000K	2070lm		63lm/W		
com difusor with diffuser avec diffuseur	230V AC 50Hz	4000K	2498lm	>80	76lm/W	33 W	46° / 15°
		5000K	2464lm	>80	75lm/W		
		2700K	1677lm	>90	51lm/W		
		3000K	1840lm		56lm/W		
		3000K	1840lm		56lm/W		

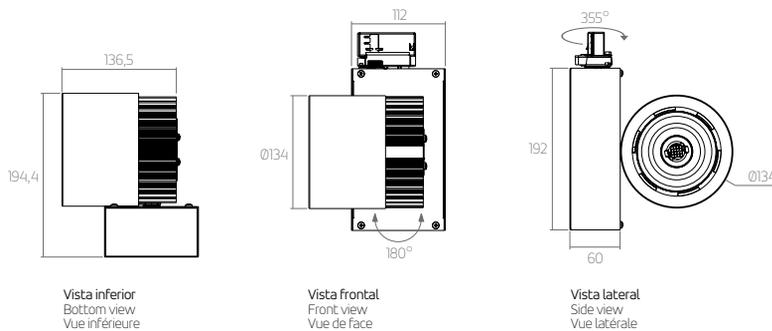
Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)



ROX LED 46°



ROX LED 15°



	peso weight poids
montagem saliente surface mounting montage saillant	1,6 kg

medidas em mm | dimensions in mm | dimensions en mm



opcionais/acessórios optional/accessories optionnel/accessoires



reflector
reflector
reflecteur 46°



reflector e difusor
reflector and diffuser
reflecteur et le diffuseur 46°



reflector
reflector
reflecteur 15°



reflector e difusor
reflector and diffuser
reflecteur et le diffuseur 15°





HUG

CE 230 V AC 50Hz  IP20 

O equipamento HUG foi desenhado para permitir a substituição de lâmpadas T8 fluorescentes, com alimentação direta à rede elétrica e recorrendo a tecnologia LED de elevado desempenho.

The HUG equipment was designed to allow the replacement of T8 fluorescent lamps, with direct feeding to the electric network and using high performance LED technology.

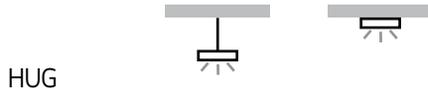
L'équipement HUG a été conçu pour permettre le remplacement des lampes T8 fluorescentes avec alimentation directe au réseau électrique, utilisant la technologie LED pour des performances supérieures.

Montagem calha GLOBAL.
Equipado com lâmpada T8 LED.
Fixações em alumínio.
Fixação lateral com regulação de 5° em 5°.
Rotação do corpo a 180° (repartido de 90° em 90°).
Tecnologia LED de baixa potência e elevado desempenho (PLCC).
Níveis de restituição cromática disponíveis.
Elevada eficácia luminosa.
Vida útil elevada.

GLOBAL track mounted.
Equipped with T8 LED lamp.
Aluminum fixations.
Adjustable 5° by 5° lateral fixation.
180° body rotation (90° by 90°).
Low power and high performance LED technology (PLCC).
Available chromatic restitution levels.
High luminous efficacy.
Long lifetime.

Montage sur rail Global.
Equipé avec lampe T8 LED.
Fixations en aluminium.
Montage latéral réglable 5° en 5°.
Rotation du corps en 180° (90° en 90° partitionné).
Technologie LED de faible puissance et haute performance (PLCC).
Niveaux de restitution chromatique disponibles.
Haute efficacité lumineuse.
Durée de vie élevée.

	preto, black, noir RAL 9011
	branco, white, blanc RAL 9003
	aluminio, aluminum, aluminium RAL 9006
	antracite, anthracite, anthracite RAL 7016

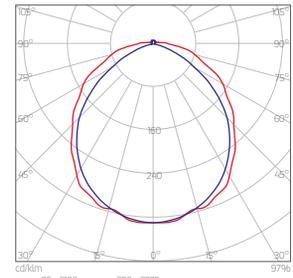


HUG

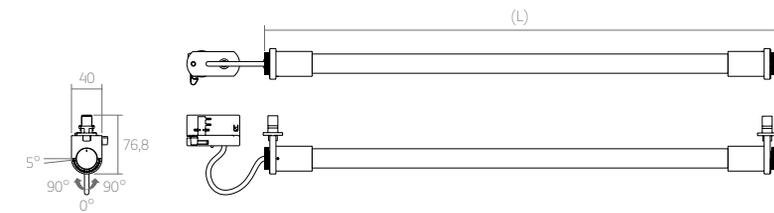
versões versions versions

		lâmpada lamp lampe	alimentação supply alimentation	temperatura de cor temperature temperature couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée
HUG 600	1x	TLS8 0600 MB	230V AC 50Hz	3000K 4000K 5000K	490lm 534lm 534lm	>80	93lm/W 102lm/W 102lm/W	5,2 W
	1x	TLS8 0600 HB	230V AC 50Hz	3000K 4000K 5000K	726lm 792lm 792lm	>80	93lm/W 102lm/W 102lm/W	7,8 W
HUG 900	1x	TLS8 0900 MB	230V AC 50Hz	3000K 4000K 5000K	974lm 1062lm 1062lm	>80	93lm/W 102lm/W 102lm/W	10,4 W
	1x	TLS8 0900 HB	230V AC 50Hz	3000K 4000K 5000K	1319lm 1438lm 1438lm	>80	93lm/W 102lm/W 102lm/W	14,2 W
HUG 1200	1x	TLS8 1200 MB	230V AC 50Hz	3000K 4000K 5000K	1297lm 1414lm 1414lm	>80	94lm/W 103lm/W 103lm/W	13,8 W
	1x	TLS8 1200 HB	230V AC 50Hz	3000K 4000K 5000K	1911lm 2083lm 2083lm	>80	94lm/W 102lm/W 102lm/W	20,5 W
HUG 1500	1x	TLS8 1500 MB	230V AC 50Hz	3000K 4000K 5000K	2019lm 2201lm 2201lm	>80	95lm/W 103lm/W 103lm/W	21,4 W
	1x	TLS8 1500 HB	230V AC 50Hz	3000K 4000K 5000K	2772lm 3023lm 3023lm	>80	94lm/W 103lm/W 103lm/W	29,6 W

Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)



simétrico | symmetric / symétrique

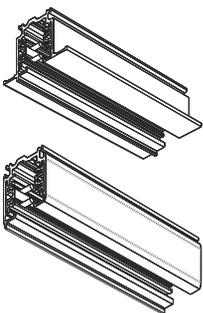


	medida (L) dimension (L) dimension (L)	peso weight poids
HUG 600	661	0,46 kg
HUG 900	961	0,62 kg
HUG 1200	1261	0,68 kg
HUG 1500	1561	0,77 kg

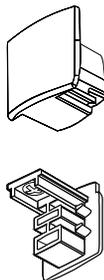
medidas em mm | dimensions in mm | dimensions en mm

opcionais/acessórios optional/accessories optionnel/accessoires

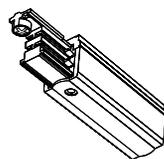
calhas | rails | rails



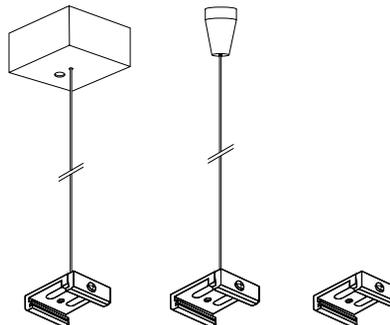
topo | top | haut



alimentador calha
rail Feeder
alimentateur rail



fixações | fixations | fixations









ILULED

CE 230 V AC 50Hz  IP20 

O equipamento ILULED foi desenhado para permitir a substituição de lâmpadas T8 fluorescentes, com alimentação direta à rede elétrica e recorrendo a tecnologia LED de elevado desempenho.

The ILULED equipment was designed to allow the replacement of T8 fluorescent lamps, with direct feeding to the electric network and using high performance LED technology.

L'équipement ILULED a été conçu pour permettre le remplacement des lampes T8 fluorescentes avec alimentation directe au réseau électrique, utilisant la technologie LED pour des performances supérieures.

Montagem saliente.
Equipado com lâmpada T8 LED.
Fixações em alumínio.
Tecnologia LED de baixa potência e elevado desempenho (PLCC).
Níveis de restituição cromática disponíveis.
Elevada eficácia luminosa.
Níveis de fluxo luminoso disponíveis.
Vida útil elevada.

Surface mounted.
Equipped with T8 LED lamp.
Aluminum fixations.
Low power and high performance LED technology (PLCC).
Available chromatic restitution levels.
High luminous efficacy.
Available luminous flux levels.
Long lifetime.

Montage en surface.
Équipé avec lampe T8 LED.
Fixations en aluminium.
Technologie LED de faible puissance et haute performance (PLCC).
Niveaux de restitution chromatique disponibles.
Haute efficacité lumineuse.
Niveaux de flux lumineux disponibles.
Durée de vie élevée.

-  preto, black, noir
RAL 9011
-  branco, white, blanc
RAL 9003
-  alumínio, aluminum, aluminium
RAL 9006
-  antracite, anthracite, anthracite
RAL 7016

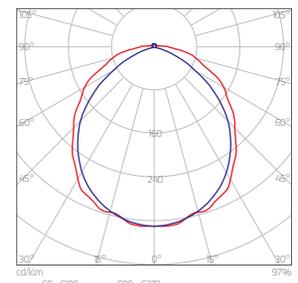


ILULED

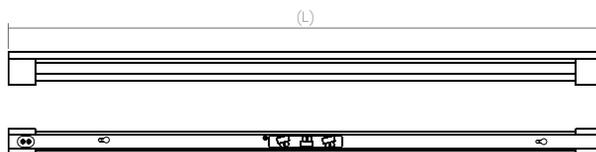
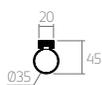
versões versions versions

		lâmpada lamp lampe	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée
ILULED 600	1x	 TLS8 0600 MB	230V AC 50Hz	3000K 4000K 5000K	490lm 534lm 534lm	>80	93lm/W 102lm/W 102lm/W	5,2 W
	1x	 TLS8 0600 HB	230V AC 50Hz	3000K 4000K 5000K	726lm 792lm 792lm	>80	93lm/W 102lm/W 102lm/W	7,8 W
ILULED 900	1x	 TLS8 0900 MB	230V AC 50Hz	3000K 4000K 5000K	974lm 1062lm 1062lm	>80	93lm/W 102lm/W 102lm/W	10,4 W
	1x	 TLS8 0900 HB	230V AC 50Hz	3000K 4000K 5000K	1319lm 1438lm 1438lm	>80	93lm/W 102lm/W 102lm/W	14,2 W
ILULED 1200	1x	 TLS8 1200 MB	230V AC 50Hz	3000K 4000K 5000K	1297lm 1414lm 1414lm	>80	94lm/W 103lm/W 103lm/W	13,8 W
	1x	 TLS8 1200 HB	230V AC 50Hz	3000K 4000K 5000K	1911lm 2083lm 2083lm	>80	94lm/W 102lm/W 102lm/W	20,5 W
ILULED 1500	1x	 TLS8 1500 MB	230V AC 50Hz	3000K 4000K 5000K	2019lm 2201lm 2201lm	>80	95lm/W 103lm/W 103lm/W	21,4 W
	1x	 TLS8 1500 HB	230V AC 50Hz	3000K 4000K 5000K	2772lm 3023lm 3023lm	>80	94lm/W 103lm/W 103lm/W	29,6 W

Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)



simétrico | symmetric / symétrique

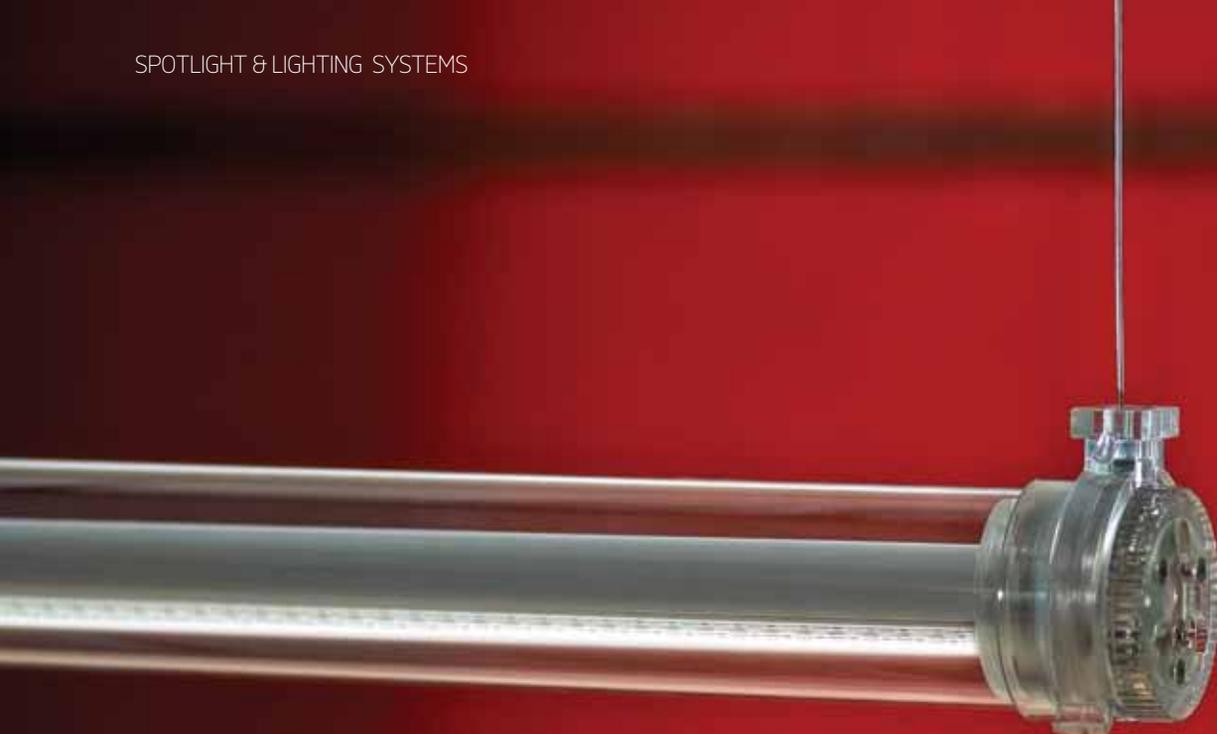


	medida (L) dimension (L) dimension (L)	peso weight poids
--	--	-------------------------

ILULED 600	612	0,16 kg
ILULED 900	915	0,26 kg
ILULED 1200	1220	0,34 kg
ILULED 1500	1520	0,39 kg

medidas em mm | dimensions in mm | dimensions en mm





TUBILINE LED

CE 230 V AC
50Hz



IP67

IK09

IK10
[1]



O equipamento estanque TUBILINE LED com o seu design simples e atraente, apresenta características que possibilitam a sua aplicação em diversos locais.

The TUBILINE LED waterproof equipment with its simple and attractive design presents characteristics that allows its installation in several places.

L'équipement étanche à l'eau TUBILINE LED avec son design simple et attractive, présente caractéristiques qui permettent son application dans divers locales.

Iluminação direta ou indireta.
Difusor em policarbonato fosco ou transparente.
Equipado com lâmpada T8 LED.
Tecnologia LED de baixa potência e elevado desempenho.
Elevada eficácia luminosa.
Níveis de fluxo luminoso disponíveis.
Vida útil elevada.

Direct or indirect lighting.
Matte or transparent polycarbonate diffuser.
Equipped with T8 LED lamp.
Low power and high performance LED technology.
High luminous efficacy.
Available luminous flux levels.
Long lifetime.

Éclairage direct ou indirect.
Diffuseur en polycarbonate grivé ou transparent.
Equipé avec lampe T8 LED.
Technologie LED de faible puissance et haute performance.
Haute efficacité lumineuse.
Niveaux de flux lumineux disponibles.
Durée de vie élevée..



versões versions versions

			alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée
TUBILINE LED 600 TUBILINE/P LED 600	1x  TLS8 0600 MB	230V AC 50Hz	3000K 4000K 5000K	490lm 534lm 534lm	>80	93lm/W 102lm/W 102lm/W	5,2 W	
	1x  TLS8 0600 HB	230V AC 50Hz	3000K 4000K 5000K	726lm 792lm 792lm	>80	93lm/W 102lm/W 102lm/W	7,8 W	
TUBILINE LED 900 TUBILINE/P LED 900	1x  TLS8 0900 MB	230V AC 50Hz	3000K 4000K 5000K	974lm 1062lm 1062lm	>80	93lm/W 102lm/W 102lm/W	10,4 W	
	1x  TLS8 0900 HB	230V AC 50Hz	3000K 4000K 5000K	1319lm 1438lm 1438lm	>80	93lm/W 102lm/W 102lm/W	14,2 W	
TUBILINE LED 1200 TUBILINE/P LED 1200	1x  TLS8 1200 MB	230V AC 50Hz	3000K 4000K 5000K	1297lm 1414lm 1414lm	>80	94lm/W 103lm/W 103lm/W	13,8 W	
	1x  TLS8 1200 HB	230V AC 50Hz	3000K 4000K 5000K	1911lm 2083lm 2083lm	>80	94lm/W 102lm/W 102lm/W	20,5 W	
TUBILINE LED 1500 TUBILINE/P LED 1500	1x  TLS8 1500 MB	230V AC 50Hz	3000K 4000K 5000K	2019lm 2201lm 2201lm	>80	95lm/W 103lm/W 103lm/W	21,4 W	
	1x  TLS8 1500 HB	230V AC 50Hz	3000K 4000K 5000K	2772lm 3023lm 3023lm	>80	94lm/W 103lm/W 103lm/W	29,6 W	

Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)

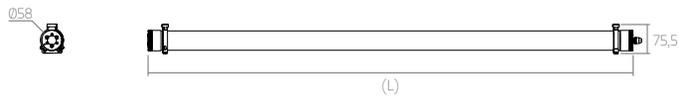
TUBILINE LED



	medida (L) dimension (L) dimension (L)	peso weight poids
TUBILINE LED 600	668	1,56 kg
TUBILINE LED 900	972,5	1,71 kg
TUBILINE LED 1200	1278	1,85 kg
TUBILINE LED 1500	1578	1,99 kg

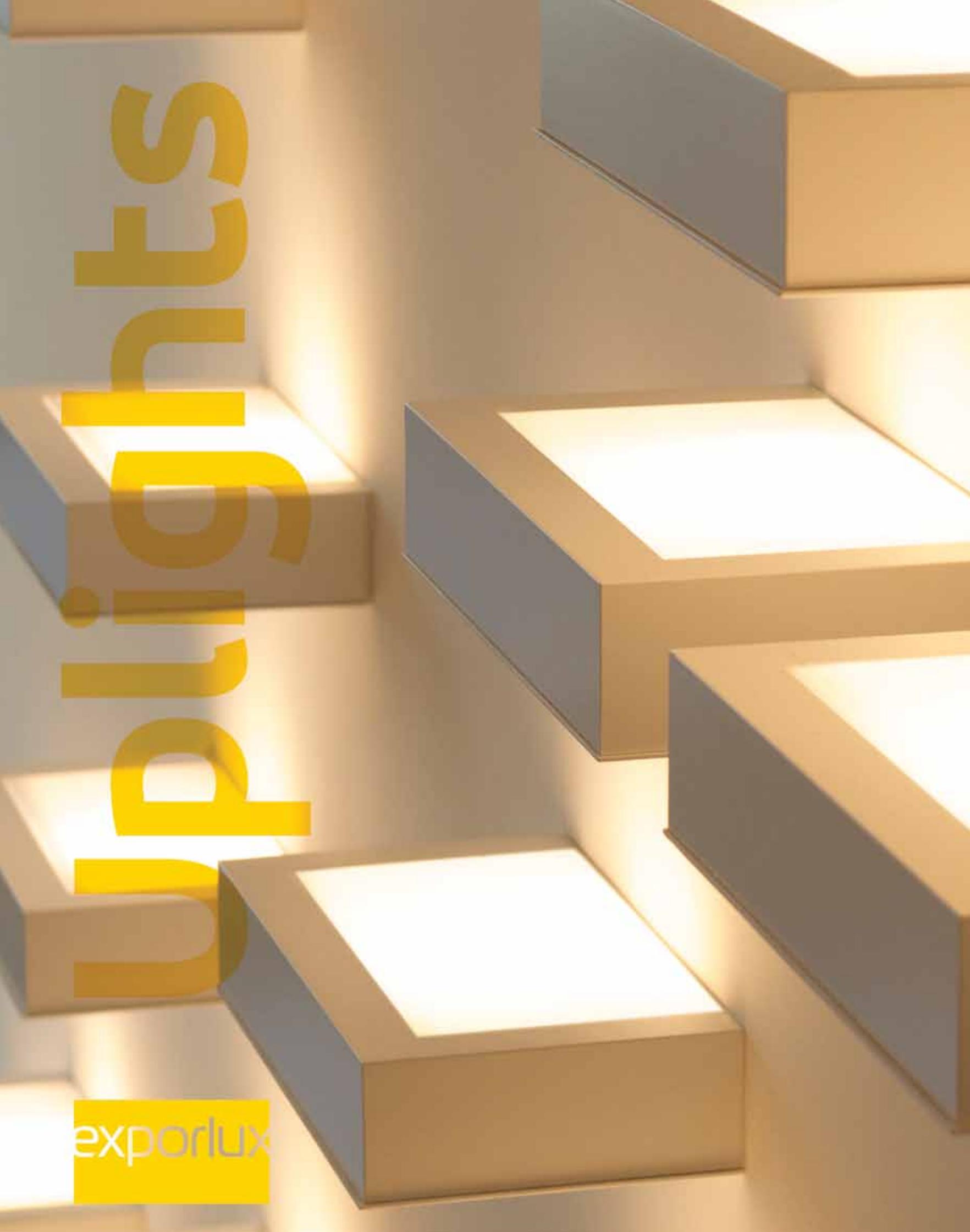
medidas em mm | dimensions in mm | dimensions en mm

TUBILINE P LED



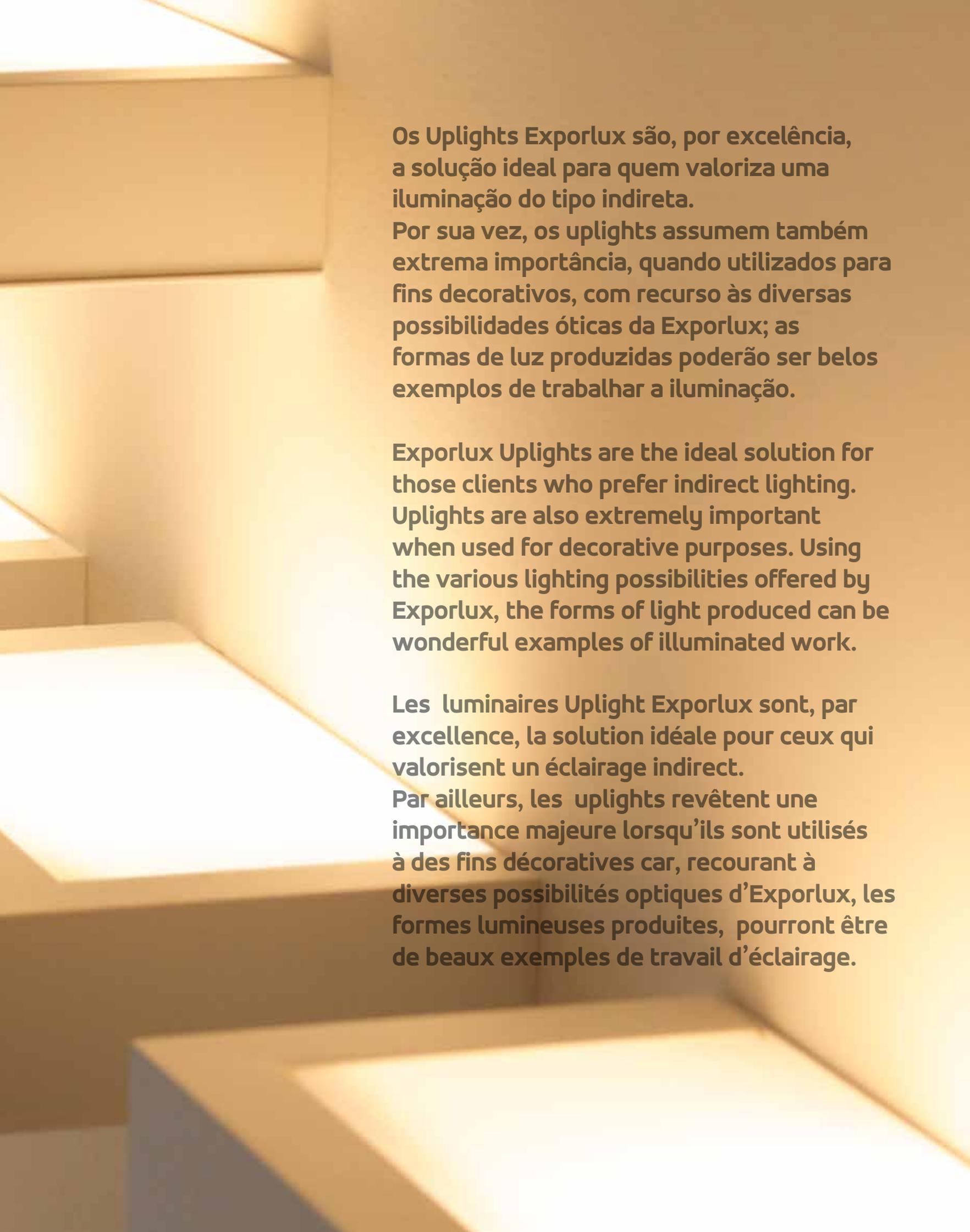
detalhes details détails





Supplights

exporlux



Os Uplights Exporlux são, por excelência, a solução ideal para quem valoriza uma iluminação do tipo indireta.

Por sua vez, os uplights assumem também extrema importância, quando utilizados para fins decorativos, com recurso às diversas possibilidades óticas da Exporlux; as formas de luz produzidas poderão ser belos exemplos de trabalhar a iluminação.

Exporlux Uplights are the ideal solution for those clients who prefer indirect lighting. Uplights are also extremely important when used for decorative purposes. Using the various lighting possibilities offered by Exporlux, the forms of light produced can be wonderful examples of illuminated work.

Les luminaires Uplight Exporlux sont, par excellence, la solution idéale pour ceux qui valorisent un éclairage indirect. Par ailleurs, les uplights revêtent une importance majeure lorsqu'ils sont utilisés à des fins décoratives car, recourant à diverses possibilités optiques d'Exporlux, les formes lumineuses produites, pourront être de beaux exemples de travail d'éclairage.

BALL

O equipamento BALL foi desenhado com um conceito minimalista e com o objetivo principal de proporcionar uma iluminação ambiente agradável e confortante ao utilizador.

The BALL equipment was designed with a minimalist concept and with the main objective to provide a pleasant ambient lighting and comforting to the user.

L'équipement BALL a été conçu avec un concept minimaliste et avec pour principal objectif de fournir un éclairage ambiant agréable et réconfortant pour l'utilisateur.

Montagem saliente.
Iluminação indireta.
Corpo em alumínio termolacado à cor.

Surface mounted.
Indirect lighting.
Thermo-laquered colored aluminum body.

Montage en surface.
Éclairage indirect.
Corps en aluminium thermolaqué coloré.



-  preto, black, noir
RAL 9011
-  branco, white, blanc
RAL 9003
-  alumínio, aluminum, aluminium
RAL 9006
-  antracite, anthracite, anthracite
RAL 7016

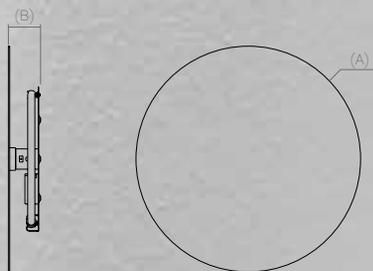
BALL



versões versions versions

			lâmpada lamp lampe	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous flux flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée
BALL LED 150	1x		LED (1)	230V AC 50Hz	2700K 3400K	37lm	80	15,4lm/W	2,4 W
BALL LED 250	1x		LED (1)	230V AC 50Hz	2700K 3400K	72lm	80	16lm/W	4,5 W
BALL LED 300	1x		LED	230V AC 50Hz	2700K 3400K	152lm	80	15,8lm/W	9,6 W
BALL LED 400	1x		LED	230V AC 50Hz	2700K 3400K	187lm	80	15,9lm/W	11,7 W
BALL 500	1x		TL5 26 x 13	230V AC 50Hz	2700K	-	-	-	40 W

(1) Fonte de alimentação remota | Remote power supply | alimentation à distance



	(A)	(B)	peso weight poids
BALL LED 150	Ø150	43,5	0,2 kg
BALL LED 250	Ø250	43,5	0,5 kg
BALL LED 300	Ø300	43,5	1,1 kg
BALL LED 400	Ø400	43,5	1,7 kg
BALL 500	Ø500	71,7	2,5 kg

medidas em mm | dimensions in mm | dimensions en mm

BALL LED



BALL



CIND

O equipamento CIND desenhado com um conceito minimalista e um design subtil, proporciona uma agradável iluminação decorativa.

The CIND equipment designed with minimalist concept and subtle, provides a pleasant decorative lighting.

L'équipement CIND conçu avec le concept minimaliste et un design subtil, fournit une agréable éclairage décoratif.

Montagem saliente.

Corpo em alumínio extrudido termolacado à cor.
Corpo ótico em aço inox, equipado com lente de ampliação e policarbonato de protecção.
Equipamento de alimentação incorporado.
Níveis de fluxo luminoso disponíveis.

Surface mounting.

Thermo-laquered colored extruded aluminum body.
Stainless steel optical body, equipped with magnifying lens and protection polycarbonate.
Built-in control gear.
Available luminous flux levels.

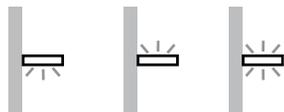
Montage en surface.

Corps en aluminium extrudé thermolaqué coloré.
Corps optique en acier inoxydable, équipé avec lentille de grossissement et polycarbonate de protection.
Équipement incorporé.
Niveaux de flux lumineux disponibles.

CE 230 V 50Hz  IP54 

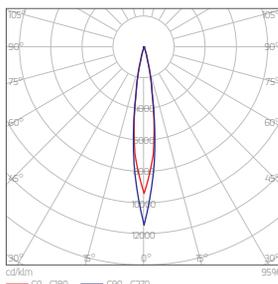
	preto, black, noir RAL 9011
	branco, white, blanc RAL 9003
	aluminio, aluminum, aluminium RAL 9006
	antracite, anthracite, anthracite RAL 7016

CIND LED

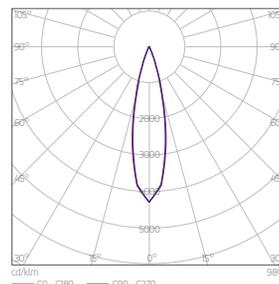


versões versions versions

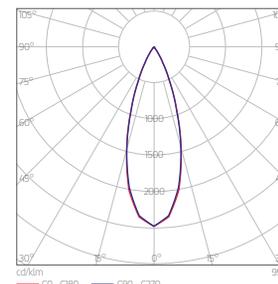
	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée	ângulo de abertura beam angle angle d'ouverture
CIND 1 LED	230V AC 50Hz	3000K 4000K 5000K	69lm 85lm 89lm	>90 >80 >80	52lm/W 68lm/W 71lm/W	1,25 W	10° / 25° / 40°
CIND 1 LED	230V AC 50Hz	3000K 4000K 5000K	116lm 152lm 160lm	>90 >80 >80	46lm/W 61lm/W 64lm/W	2,5 W	10° / 25° / 40°
CIND 1 LED	 230V AC 50Hz					1,25 W 2,5 W	
	 230V AC 50Hz					1,25 W 2,5 W	
	 230V AC 50Hz					1,25 W 2,5 W	
	 230V AC 50Hz					1,25 W 2,5 W	
CIND 2 LED	230V AC 50Hz	3000K 4000K 5000K	130lm 170lm 178lm	>90 >80 >80	52lm/W 68lm/W 72lm/W	2,5 W	10° / 25° / 40°
CIND 2 LED	 230V AC 50Hz					2,5 W	
	 230V AC 50Hz					2,5 W	
	 230V AC 50Hz					2,5 W	
	 230V AC 50Hz					2,5 W	



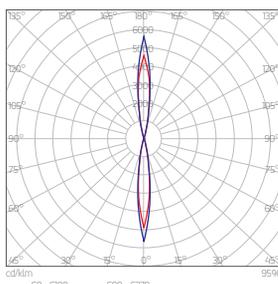
1x 1W 10°



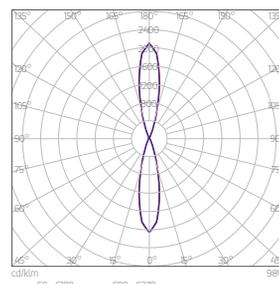
1x 1W 25°



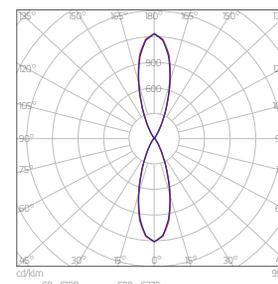
1x 1W 40°



2x 1W 10°



2x 1W 25°

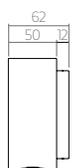


2x 1W 40°

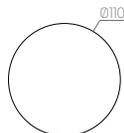
detalhes details détails



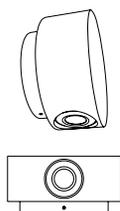
CIND 1 LED



Vista lateral
Side view
Vue latérale

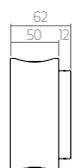


Vista frontal
Front view
Vue de face

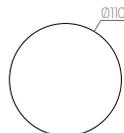


Vista inferior
Bottom view
Vue de dessous

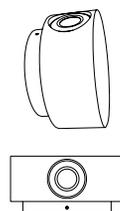
CIND 2 LED



Vista lateral
Side view
Vue latérale



Vista frontal
Front view
Vue de face



Vista inferior
Bottom view
Vue de dessous

peso
weight
poids

CIND 1 LED	0,8 kg
CIND 2 LED	0,9 kg

medidas em mm | dimensions in mm | dimensions en mm





CIRCLE

O equipamento CIRCLE LED foi desenhado com um conceito minimalista e com o objetivo principal de proporcionar uma iluminação ambiente agradável e confortável ao utilizador.

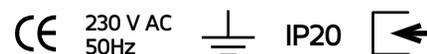
The CIRCLE LED equipment was designed with a minimalist concept and with the main objective to provide a pleasant ambient lighting and comforting to the user.

L'équipement CIRCLE LED a été conçu avec un concept minimaliste et avec pour principal objectif de fournir un éclairage ambiant agréable et réconfortant pour l'utilisateur.

Iluminação direta.
Corpo em alumínio termolacado à cor.
Difusor em acrílico opalino.
Equipamento de alimentação incorporado.
Níveis de fluxo luminoso disponíveis.
Elevado índice de restituição cromática (Ra > 80).

Direct lighting.
Thermo-laquered colored aluminum body.
Opal acrylic diffuser .
Built-in control gear.
Available luminous flux levels.
High chromatic restitution index (Ra>80).

Éclairage direct.
Corps en aluminium thermolaqué coloré.
Diffuseur en acrylique opale.
Équipement incorporé.
Niveaux de flux lumineux disponibles.
Indice de restitution chromatique élevé (Ra>80).



- preto, black, noir
RAL 9011
- branco, white, blanc
RAL 9003
- alumínio, aluminum, aluminium
RAL 9006
- antracite, anthracite, anthracite
RAL 7016



versões versions versions

	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous flux flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée
SMALL CIRCLE LED	230V AC 50Hz	3000K 4000K 5000K	641lm 661lm 701lm	>80	71lm/W 73lm/W 78lm/W	9 W
MEDIUM CIRCLE LED	230V AC 50Hz	3000K 4000K 5000K	1835lm 1895lm 2006lm	>80	69lm/W 71lm/W 75lm/W	26,7 W
LARGE CIRCLE LED	230V AC 50Hz	3000K 4000K 5000K	4412lm 4667lm 4820lm	>80	68lm/W 71lm/W 74lm/W	65,3 W
MAXI CIRCLE LED	230V AC 50Hz	3000K 4000K 5000K	5917lm 6261lm 6467lm	>80	69lm/W 73lm/W 75lm/W	85,9 W

Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
(*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)

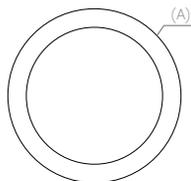
CIRCLE LED



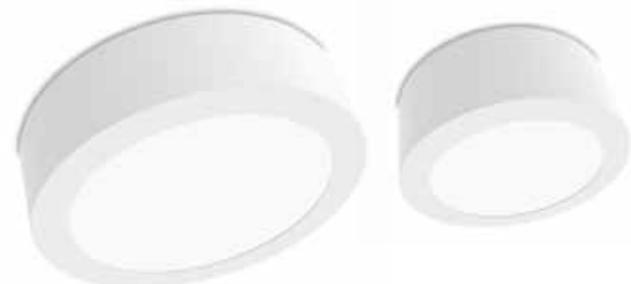
Vista frontal
Front view
Vue de face



Vista lateral
Side view
Vue latérale



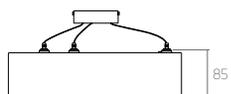
Vista inferior
Bottom view
Vue de dessous



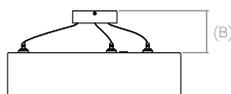
	(A)	peso weight poids
SMALL CIRCLE LED	Ø210	0,75 kg
MEDIUM CIRCLE LED	Ø310	1,6 kg
LARGE CIRCLE LED	Ø530	3,8 kg
MAXI CIRCLE LED	Ø600	4,8 kg

medidas em mm | dimensions in mm | dimensions en mm

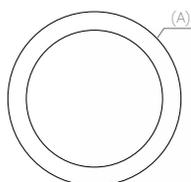
CIRCLE S LED



Vista frontal
Front view
Vue de face



Vista lateral
Side view
Vue latérale



Vista inferior
Bottom view
Vue de dessous



	(A)	peso weight poids
SMALL CIRCLE S LED	Ø210	0,88 kg
MEDIUM CIRCLE S LED	Ø310	1,7 kg
LARGE CIRCLE S LED	Ø530	3,9 kg
MAXI CIRCLE S LED	Ø600	4,9 kg

(B) Variável
Variable
Variable

medidas em mm | dimensions in mm | dimensions en mm

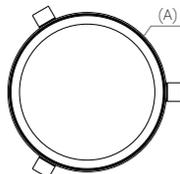
CIRCLE E LED



Vista frontal
Front view
Vue de face



Vista lateral
Side view
Vue latérale



Vista inferior
Bottom view
Vue de dessous



	(A)	peso weight poids
SMALL CIRCLE E LED	Ø210	0,8 kg
MEDIUM CIRCLE E LED	Ø300	1,9 kg
LARGE CIRCLE E LED	Ø530	4,3 kg
MAXI CIRCLE E LED	Ø600	5,3 kg

medidas em mm | dimensions in mm | dimensions en mm



DOURO LED

CE 230 V AC
50Hz  IP40 

O equipamento DOURO LED foi desenhado com um conceito minimalista e com o objetivo principal de proporcionar uma iluminação ambiente agradável e confortável ao utilizador.

The DOURO LED equipment was designed with a minimalist concept and with the main objective to provide a pleasant ambient lighting and comforting to the user.

L'équipement DOURO LED a été conçu avec un concept minimaliste et avec pour principal objectif de fournir un éclairage ambiant agréable et réconfortant pour l'utilisateur.

 preto, black, noir
RAL 9011

 branco, white, blanc
RAL 9003

 alumínio, aluminum, aluminium
RAL 9006

 antracite, anthracite, anthracite
RAL 7016

Montagem saliente.
Iluminação direta ou indireta.
Corpo em perfil de alumínio e chapa de alumínio termolacada à cor.
Difusor em policarbonato opalino.
Equipamento de alimentação incorporado.
Diferentes temperaturas de cor disponíveis.

Surface mounted.
Direct or indirect lighting.
Thermo-laquered colored profile aluminium body and aluminium sheet.
Opal polycarbonate diffuser.
Built-in control gear.
Available different color temperatures.

Montage en surface.
Éclairage direct ou indirect.
Corps en profil d'aluminium et en feuille d'aluminium thermolaqué coloré.
Diffuser en polycarbonate opale.
Équipement incorporé.
Températures de couleurs différentes disponibles.

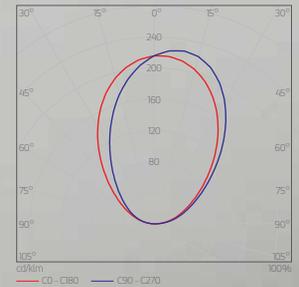
DOURO LED



versões versions versions

	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée
HB	230V AC 50Hz	3000K 4000K 5000K	1050lm 1125lm 1125lm	>85	50lm/W 54lm/W 54lm/W	13 W

Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)



DOURO LED



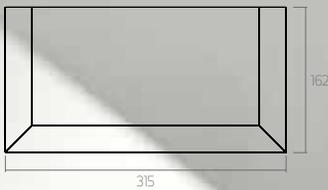
Vista frontal
Front view
Vue de face



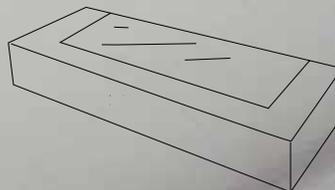
Vista lateral
Side view
Vue latérale



Vista traseira
Back view
Vue arrière



Vista superior
Top view
Vue d'en haut



peso
weight
poids

DOURO LED	1,4 kg
-----------	--------

medidas em mm | dimensions in mm | dimensions en mm



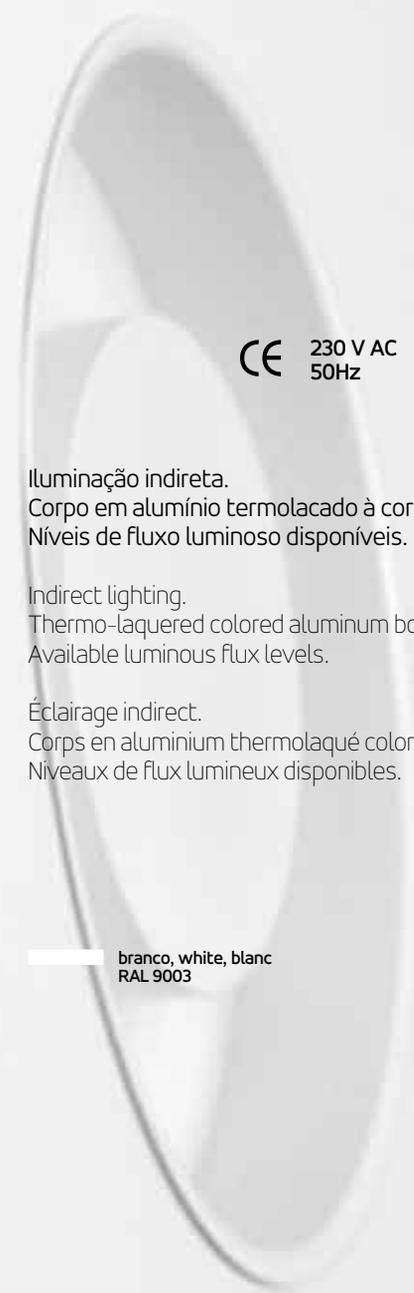
ECLIPSE



O equipamento ECLIPSE foi desenhado com um conceito minimalista e com o objetivo principal de proporcionar uma iluminação ambiente agradável e confortante ao utilizador.

The ECLIPSE equipment was designed with a minimalist concept and with the main objective to provide a pleasant ambient lighting and comforting to the user.

L'équipement ECLIPSE a été conçu avec un concept minimaliste et avec pour principal objectif de fournir un éclairage ambiant agréable et réconfortant pour l'utilisateur.



CE 230 V AC 50Hz  IP20 

Iluminação indireta.
Corpo em alumínio termolacado à cor.
Níveis de fluxo luminoso disponíveis.

Indirect lighting.
Thermo-laquered colored aluminum body.
Available luminous flux levels.

Éclairage indirect.
Corps en aluminium thermolaqué coloré.
Niveaux de flux lumineux disponibles.

 branco, white, blanc
RAL 9003



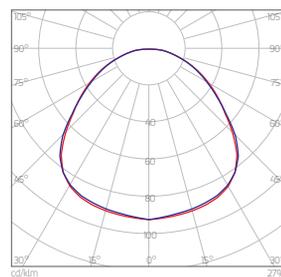
ECLIPSE



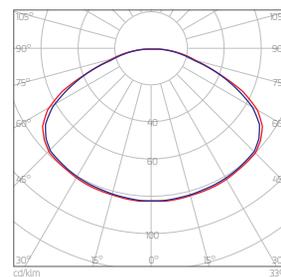
ECLIPSE E

versões versions versions

			lâmpada lamp lampe	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	potência entrada input power puissance d'entrée
Small Eclipse	3 x		TC-DEL	230V AC 50Hz	2700K	36 W
Large Eclipse	3 x		TC-DEL	230V AC 50Hz	2700K 6500K	54 W

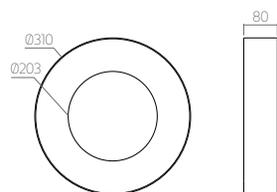


SMALL ECLIPSE 36W

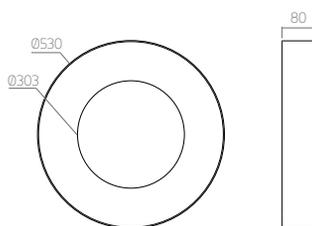


LARGE ECLIPSE 54W

SMALL ECLIPSE



LARGE ECLIPSE



	peso weight poids
Small Eclipse E	1,2 kg
Large Eclipse E	2,6 kg



medidas em mm | dimensions in mm | dimensions en mm

opcionais/acessórios optional/accessories optionnel/accessoires



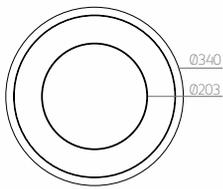
com espelho
with mirror
avec miroir



SMALL ECLIPSE E



Vista superior
Top view
Vue d'en haut

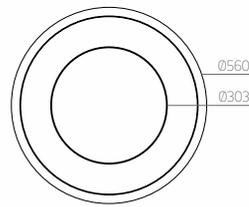


Vista frontal
Front view
Vue de face

LARGE ECLIPSE E



Vista superior
Top view
Vue d'en haut

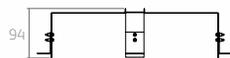


Vista frontal
Front view
Vue de face

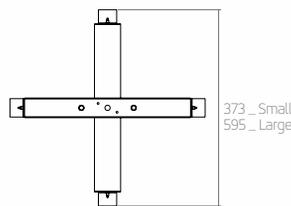
Fixação | Fastening | La fixation



Vista frontal
Front view
Vue de face



Vista lateral
Side view
Vue latérale



Vista superior
Top view
Vue d'en haut

	peso weight poids
SMALL ECLIPSE E	1,8 kg
LARGE ECLIPSE E	3,1 kg

medidas em mm | dimensions in mm | dimensions en mm



REDUEXO LED

CE 230 V AC
50Hz  IP20 

O REDUEXO LED é um equipamento de linhas retas, minimalistas e foi desenhado para se enquadrar em espaços contemporâneos de grande nível estético, sem esquecer os padrões técnicos e de eficiência energética.

The REDUEXO LED is a equipment with straight minimalist lines and was designed to fit into contemporary spaces of great aesthetic level, without forgetting the technical and energy efficiency standards.

L'équipement REDUEXO LED a été conçu pour ses lignes pour s'intégrer dans des espaces contemporains de grand niveau esthétique, sans oublier les normes d'efficacité technique et de l'énergie.

Montagem saliente.

Corpo em chapa de aço termolacado à cor.
Tecnologia LED de baixa potência e elevado desempenho (PLCC).
Elevada eficácia luminosa.
Diferentes níveis de fluxo luminoso disponíveis.
Vida útil elevada.

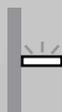
Surface mounting.
Termolacquered steel body.
Low power and high performance LED technology (PLCC).
High luminous efficacy.
Available different luminous flux levels.
High lifetime

Montage en surface.

Corps en acier thermolaqué.
Technologie LED de faible puissance et haute performance (PLCC).
Haute efficacité lumineuse.
Différents niveaux de flux lumineux sont disponible.
Durée de vie élevée.

	preto, black, noir RAL 9011
	branco, white, blanc RAL 9003
	aluminio, aluminum, aluminium RAL 9006
	antracite, anthracite, anthracite RAL 7016

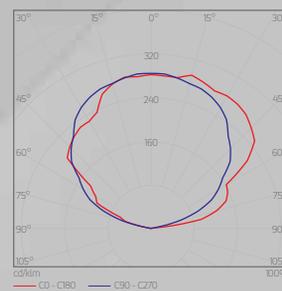
REDUEXO LED



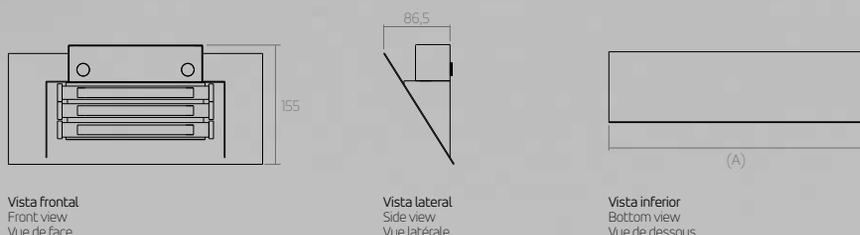
versões versions versions

	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée
REDUEXO LED MB	230V AC 50Hz	3000K 4000K 5000K	306lm 327lm 327lm	85	51lm/W 55lm/W 55lm/W	6 W
REDUEXO LED HB	230V AC 50Hz	3000K 4000K 5000K	1380lm 1518lm 1518lm	85	77lm/W 84lm/W 84lm/W	18 W

Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)



REDUEXO LED



	(A)	peso weight poids
REDUEXO LED MB	300	1,2 kg
REDUEXO LED HB	450	1,8 kg

medidas em mm | dimensions in mm | dimensions en mm









exportlux

High Bay





INDULED

CE 230 V AC
50Hz



IP66

IK08



O equipamento INDULED foi desenhado para a iluminação de naves industriais, recorrendo à mais avançada tecnologia LED disponível atualmente no mercado.

The INDULED was designed for industrial lighting areas, using the most advanced LED technology currently available on the market.

Le luminaire INDULED a été conçu pour l'éclairage industriel utilisant la technologie LED la plus avancée disponible de nos jours.

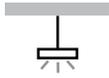
Montagem suspensa.
Corpo em alumínio.
Difusor de vidro temperado.
Níveis de fluxo luminoso disponíveis.
Elevado índice de restituição cromática (Ra>70).
Diferentes temperaturas de cor disponíveis.
Vida útil elevada.
Elevada eficácia luminosa global.

Suspended mounted.
Aluminum body.
Tempered glass diffuser.
Available luminous flux levels.
High chromatic restitution index (Ra > 70).
Available different color temperatures.
High luminous efficacy overall.

Montage en suspension.
Corps en aluminium.
Diffuseur en verre trempé.
Niveaux de flux lumineux disponibles.
Indice de restitution chromatique élevé > 70.
Températures de couleurs différentes sont disponibles.
Durée de vie élevée.
Efficacité lumineuse globale élevée.

aluminio, aluminum, aluminium
RAL 9006

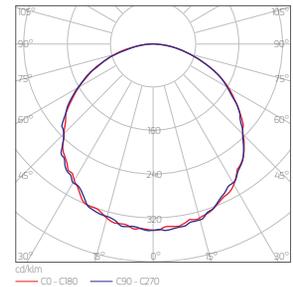
INDULED



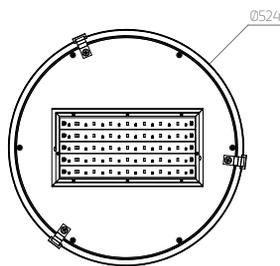
versões versions versions

	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous flux flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée
INDULED x40	230V AC 50Hz	3000K 4000K 5000K	5952lm 7142lm 7291lm	>70	83lm/W 100lm/W 102lm/W	72,1W
INDULED x80	230V AC 50Hz	3000K 4000K 5000K	11532lm 13764lm 14062lm	>70	81lm/W 97lm/W 99lm/W	142,6 W

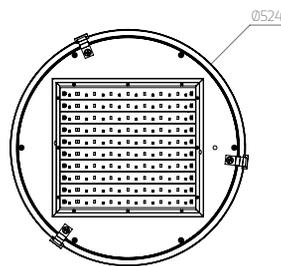
Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)



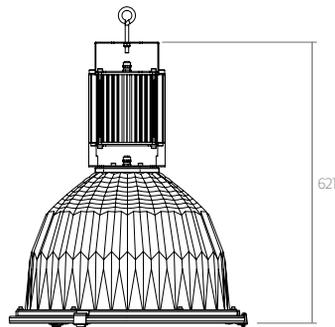
INDULED
simétrico | symmetric / symétrique



INDULED x40 Vista frontal
Front view
Vue de face



INDULED x80 Vista frontal
Front view
Vue de face



Vista inferior
Bottom view
Vue de dessous

	peso weight poids
INDULED x40	14,5 kg
INDULED x80	16 kg

medidas em mm | dimensions in mm | dimensions en mm





LYSO LED

CE 230 V AC
50Hz



IP20



O equipamento LYSO LED foi desenhado para permitir a substituição de equipamentos de iodetos metálicos suspensos, recorrendo a tecnologia LED de elevado desempenho.

The LYSO LED equipment was designed to allow the replacement of suspended metal halide equipments, using high performance LED technology.

L'équipement LYSO LED a été conçu pour permettre le remplacement de l'équipement suspendu halogénures métalliques, en utilisant la technologie LED pour des performances supérieures.

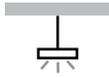
Montagem suspensa.
Iluminação direta.
Corpo em alumínio termolacado à cor.
Equipamento de alimentação incorporado.
Diferentes temperaturas de cor disponíveis.
Elevado índice de restituição cromática (Ra~85).

Suspended mounted.
Direct lighting.
Thermo-laquered colored aluminum body.
Built-in control gear.
Available different color temperatures.
High chromatic restitution index (Ra~85).

Montage suspendu.
Éclairage direct.
Corps en aluminium thermolaqué coloré.
Équipement incorporé.
Températures de couleurs différent sont disponibles.
Indice de restitution chromatique élevé (Ra~85).

- preto, black, noir
RAL 9011
- branco, white, blanc
RAL 9003
- alumínio, aluminum, aluminium
RAL 9006
- antracite, anthracite, anthracite
RAL 7016

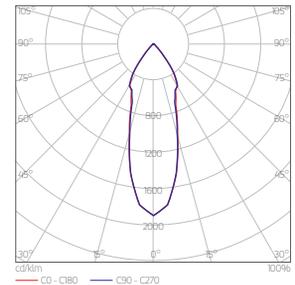
LYSO LED



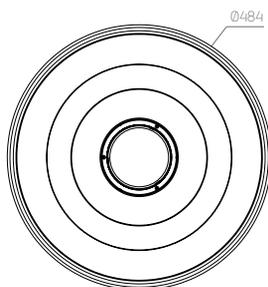
versões versions versions

	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous flux flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée	ângulo abertura beam angle angle d'ouverture
LB	230V AC 50Hz	3000K 4000K 5000K	1943lm 2098lm 2216lm	>80 >70	57lm/W 62lm/W 65lm/W	33,9 W	33°
HB	230V AC 50Hz	3000K 4000K 5000K	3636lm 3925lm 4141lm	>80 >70	54lm/W 59lm/W 62lm/W	66,7 W	33°

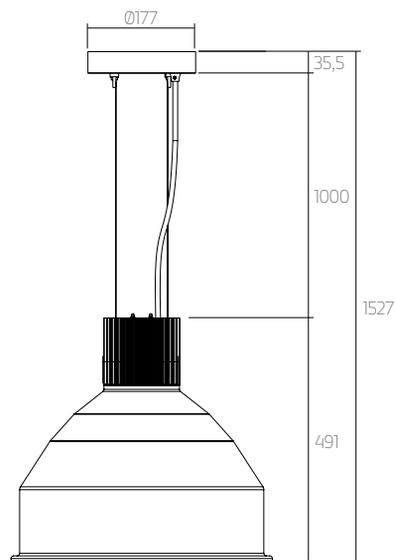
Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)



LYSO LED
simétrico | symmetric / symétrique



Vista inferior
Bottom view
Vue de dessous



Vista lateral
Side view
Vue latérale

peso
weight
poids

montagem saliente
surface mounting
montage saillant

2,8 kg

medidas em mm | dimensions in mm | dimensions en mm





OVE LED

CE 230 V AC 50Hz  IP20 IP65 ^[1] 

O equipamento OVE LED foi desenhado para permitir a substituição de equipamentos de iodetos metálicos suspensos, recorrendo a tecnologia LED de elevado desempenho.

The OVE LED equipment was designed to allow the replacement of suspended metal halide equipments, using high performance LED technology.

L'équipement OVE LED a été conçu pour permettre le remplacement de l'équipement suspendu halogénures métalliques, en utilisant la technologie LED pour des performances supér.

Montagem suspensa.
 Iluminação directa.
 Corpo em alumínio termolacado à cor.
 Equipamento de alimentação incorporado.
 Diferentes temperaturas de cor disponíveis.
 Vida útil elevada 50 000 horas (L70B50).

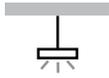
Suspended mounted.
 Direct lighting.
 Thermo-laquered colored aluminum body.
 Built-in control gear.
 Available different color temperatures.
 Long lifetime 50 000 hours (L70B50).

Montage suspendu.
 Éclairage direct.
 Corps en aluminium thermolaqué coloré.
 Equipement incorporé.
 Températures de couleurs différent sont disponibles.
 Durée de vie élevée 50 000 heures (L70B50).

alumínio, aluminum, aluminium
 RAL 9006

[1] a pedido | on request | sur demande

OVE LED



versões versions versions

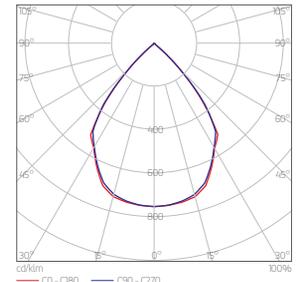
	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée	ângulo abertura beam angle angle d'ouverture
UB	230V AC 50Hz	3000K 4000K 5000K	6050lm 6405lm 6761lm	>80	104lm/W 110lm/W 116lm/W	58 W	72°

Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)

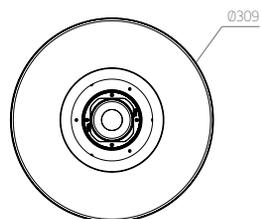
(*) - Sistema normal (sem controlo) | (*) Normal system (without control) | (*) Système normal (sans contrôle)

Temperatura ambiente de funcionamento: -10° a +35° | Operating ambient temperature: -10° to +35° | Température ambiante de fonctionnement: -10° a +35°

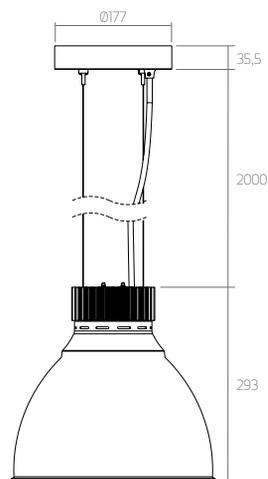
CRI acima de 90 sob consulta | CRI above 90 on request | CRI dessus de 90 sur demand



OVE LED 72°
simétrico | symmetric / symétrique



Vista inferior
Bottom view
Vue de dessous



Vista lateral
Side view
Vue latérale

peso
weight
poids

montagem saliente
surface mounting
montage saillant

3,8 kg

medidas em mm | dimensions in mm | dimensions en mm





KLIO LED

CE 230 V AC 50Hz  IP20 

O equipamento KLIO LED foi desenhado para permitir a substituição de equipamentos de iodetos metálicos suspensos, recorrendo a tecnologia LED de elevado desempenho.

The KLIO LED equipment was designed to allow the replacement of suspended metal halide equipments, using high performance LED technology.

L'équipement KLIO LED a été conçu pour permettre le remplacement de l'équipement suspendu halogénures métalliques, en utilisant la technologie LED pour des performances supér.

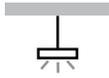
Montagem suspensa.
Iluminação direta.
Corpo em alumínio termolacado à cor.
Equipamento de alimentação incorporado.
Diferentes temperaturas de cor disponíveis.
Elevado índice de restituição cromática (Ra ~ 85).

Suspended mounted.
Direct lighting.
Thermo-laquered colored aluminum body.
Built-in control gear.
Available different color temperatures.
High chromatic restitution index (Ra ~ 85).

Montage suspendu.
Éclairage direct.
Corps en aluminium thermolaqué coloré.
Équipement incorporé.
Températures de couleurs différent sont disponibles.
Indice de restitution chromatique élevé (Ra ~ 85).

-  preto, black, noir
RAL 9011
-  branco, white, blanc
RAL 9003
-  alumínio, aluminum, aluminium
RAL 9006
-  antracite, anthracite, anthracite
RAL 7016

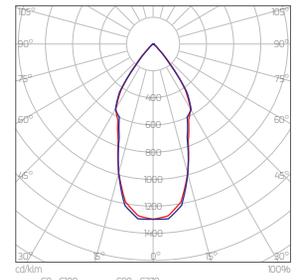
KLIO LED



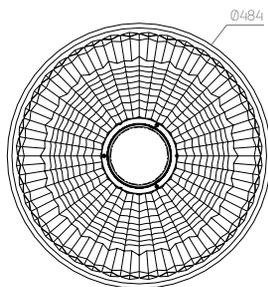
versões versions versions

	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée	ângulo abertura beam angle angle d'ouverture
LB	230V AC 50Hz	3000K 4000K 5000K	1871lm 2020lm 2133lm	>80 >70	55lm/W 60lm/W 63lm/W	33,9 W	48°
HB	230V AC 50Hz	3000K 4000K 5000K	3500lm 3778lm 3986lm	>80 >70	52lm/W 57lm/W 60lm/W	66,7 W	48°

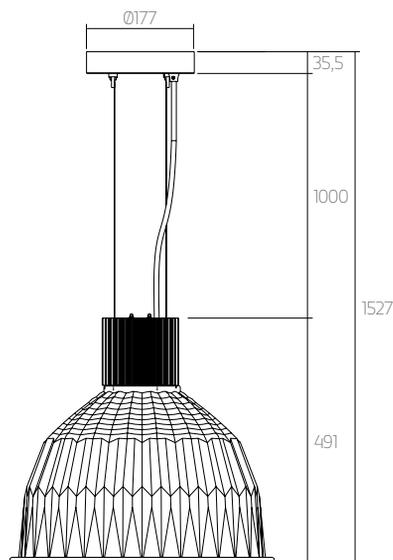
Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)



KLIO LED
simétrico | symmetric / symétrique



Vista inferior
Bottom view
Vue de dessous



Vista lateral
Side view
Vue latérale

peso
weight
poids

montagem saliente
surface mounting
montage saillant

2,8 kg

medidas em mm | dimensions in mm | dimensions en mm



SMART ECOLED

CE 230 V AC
50Hz



SMART ECOLED é um equipamento perfeito para todas as aplicações do sector industrial, com uma estética moderna e facilidade de instalação, utilizando tecnologia LED de alto rendimento.

SMART ECOLED is a perfect equipment for all industrial sector applications, with modern aesthetics and ease of installation, it uses high performance LED technologie.

SMART ECOLED est un équipement idéal pour toutes les applications dans le secteur industriel, avec une esthétique moderne et facilité d'installation et utilisant la technologie LED de haute performance.

Montagem suspensa.
Iluminação direta.
Corpo em alumínio extrudido.
Difusor transparente em acrílico.
Tecnologia LED de média potência e alto rendimento.
Elevada eficácia luminosa.
Vida útil elevada.
Baixa manutenção.
Arranque instantâneo.
Instalação rápida e simples devido ao sistema *Plug & Play*.

Surface mounted.
Direct lighting.
Extruded aluminum body.
Transparent diffuser in acrylic.
High performance mid-power LED technology.
High luminous efficacy.
Long lifetime.
Low maintenance.
Instant start.
Quick and easy installation due to the *Plug & Play* system.

Montage en suspension.
Éclairage direct .
Corps extrudé en aluminium.
Diffuseur en acrylique.
Technologie LED de moyenne puissance et à haut rendement.
Haute efficacité lumineuse.
Durée de vie élevée.
Peu d'entretien.
Démarrage instantané.
Installation rapide et facile grâce au système *Plug & Play*.

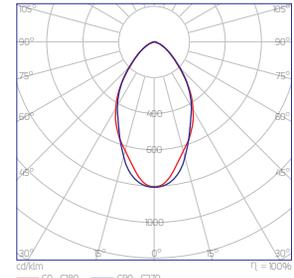
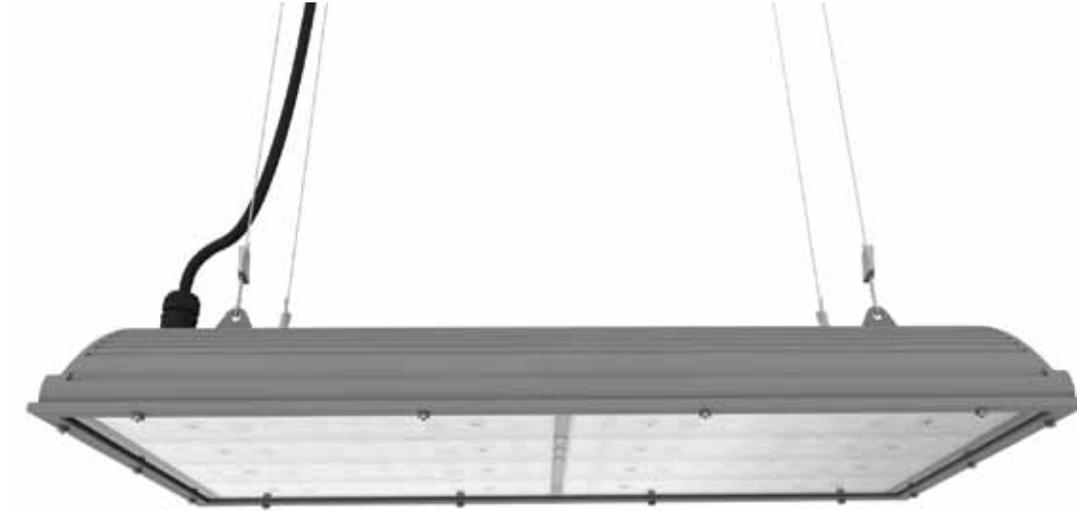
alumínio, aluminum, aluminium
RAL 7035



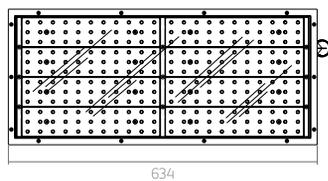
versões versions versions

	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée	ângulo abertura beam angle angle d'ouverture
SMART ECOLED	230V AC 50Hz	3000K 4000K	10343lm 10782lm	>80	110lm/W 114lm/W	97 W	60°

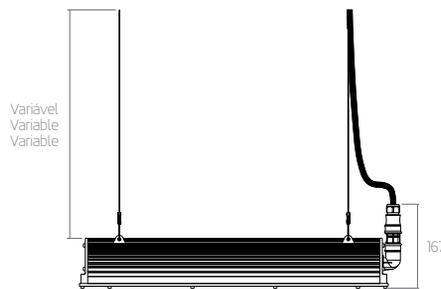
Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)
 Temperatura ambiente de funcionamento: -20° a +45° / Operating ambient temperature: -20° a +45° / Température ambiante de fonctionnement: -20° a +45°



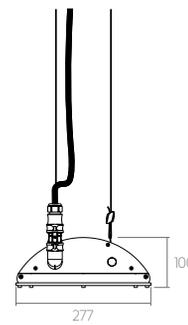
SMART ECOLED
simétrico | symmetric / symétrique



Vista inferior
Bottom view
Vue de dessous



Vista frontal
Front view
Vue de face



Vista lateral
Side view
Vue latérale

peso
weight
poids

montagem saliente
surface mounting
montage saillant

14 kg

medidas em mm | dimensions in mm | dimensions en mm





exporlux

Os perfis Exporlux garantem uma excelente e económica qualidade de iluminação; a sua versatilidade permite adaptar estas soluções a qualquer exigência e projeto, quer a nível de dimensão, quer a nível de forma.

Exporlux profiles guarantee excellent and economical lighting quality. Their versatility means these solutions can be adapted to any requirements the project demands, be at the level of size or form.

Les profilés Exporlux garantissent une qualité excellente et économique d'éclairage, leur versatilité permet d'adapter ces solutions à toutes exigences et tous projets, que ce soit au niveau de la dimension ou de la forme.

Profiles

ATLANTIS LED



230 V AC
50Hz



IP20



O equipamento ATLANTIS LED foi desenhado com um conceito minimalista e com o objetivo principal de proporcionar uma iluminação ambiente agradável e confortável ao utilizador. Este aparelho apresenta-se em módulos individuais ou em linha contínua.

The ATLANTIS LED equipment was designed with a minimalist concept and with the main objective to provide a pleasant ambient lighting and comforting to the user. This equipment is available in individual modules or in continuous line.

L'équipement ATLANTIS LED a été conçu avec un concept minimaliste et avec pour principal objectif de fournir un éclairage ambiant agréable et réconfortant pour l'utilisateur. Cet équipement est disponible en modules individuels ou en ligne continue.

Iluminação direta .

Corpo em alumínio termolacado à cor ou anodizado.
Difusor em policarbonato opalino.
Equipamento de alimentação incorporado.
Diferentes temperaturas de cor disponíveis.
Elevado índice de restituição cromática (Ra >80).

Direct lighting.

Thermo-laquered colored or anodized aluminium body.
Opal polycarbonate diffuser.
Built-in control gear.
Available color temperatures.
High chromatic restitution index (Ra>80).

Éclairage direct.

Corps en aluminium thermolaqué coloré ou anodisé.
Diffuseur en polycarbonate opale.
Équipement incorporé.
Available different color temperatures.
Indice de restitution chromatique élevé (Ra>80).

 preto, black, noir
RAL 9011

 branco, white, blanc
RAL 9003

 antracite, anthracite, anthracite
RAL 7016



ATLANTIS LED



ATLANTIS/S LED

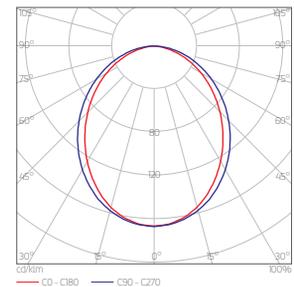


ATLANTIS/E LED

versões versions versions

		alimentação supply alimentation	temperatura de cor color temperature température couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée
ATLANTIS LED 600	LB	230V AC 50Hz	3000K 4000K	904lm 936lm	>80	52lm/W 54lm/W	17 W
	MB	230V AC 50Hz	3000K 4000K	1066lm 1088lm	>80	50lm/W 51lm/W	21 W
	HB	230V AC 50Hz	3000K 4000K	1200lm 1240lm	>80	47lm/W 49lm/W	25 W
ATLANTIS LED 900	LB	230V AC 50Hz	3000K 4000K	1356lm 1404lm	>80	52lm/W 54lm/W	26 W
	MB	230V AC 50Hz	3000K 4000K	1584lm 1632lm	>80	50lm/W 51lm/W	32 W
	HB	230V AC 50Hz	3000K 4000K	1800lm 1860lm	>80	47lm/W 49lm/W	38 W
ATLANTIS LED 1200	LB	230V AC 50Hz	3000K 4000K	1808lm 1872lm	>80	52lm/W 54lm/W	35 W
	MB	230V AC 50Hz	3000K 4000K	2112lm 2176lm	>80	50lm/W 51lm/W	43 W
	HB	230V AC 50Hz	3000K 4000K	2400lm 2480lm	>80	47lm/W 49lm/W	51 W
ATLANTIS LED 1500	LB	230V AC 50Hz	3000K 4000K	2260lm 2340lm	>80	52lm/W 54lm/W	43 W
	MB	230V AC 50Hz	3000K 4000K	2640lm 2720lm	>80	50lm/W 51lm/W	53 W
	HB	230V AC 50Hz	3000K 4000K	3000lm 3100lm	>80	47lm/W 49lm/W	63 W

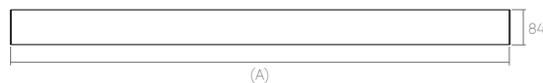
Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)



ATLANTIS LED



Vista inferior
Bottom view
Vue de dessous



Vista lateral
Side view
Vue latérale



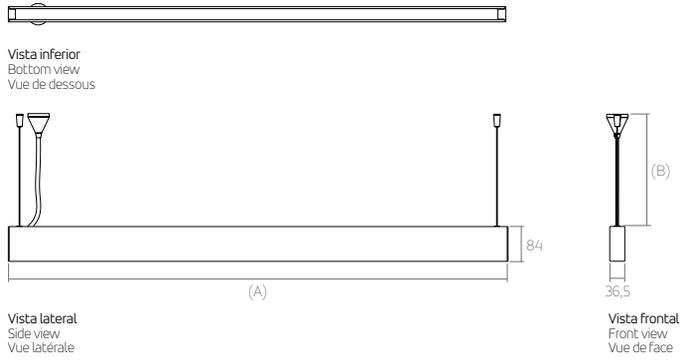
Vista frontal
Front view
Vue de face

	(A)	peso weight poids
ATLANTIS LED 600	575	1,2 kg
ATLANTIS LED 900	856	1,8 kg
ATLANTIS LED 1200	1137	2,3 kg
ATLANTIS LED 1500	1418	2,9 kg

medidas em mm | dimensions in mm | dimensions en mm



ATLANTIS/S LED



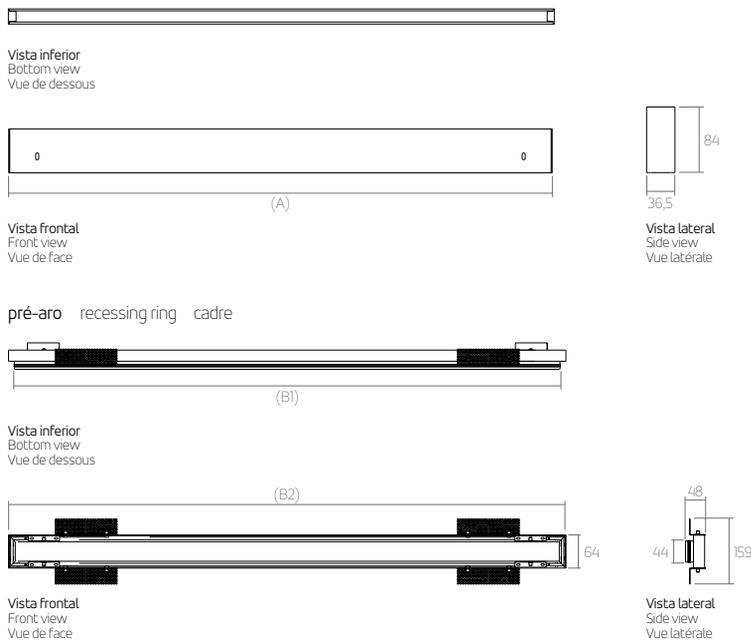
	(A)	peso weight poids
ATLANTIS/S LED 600	575	1,2 kg
ATLANTIS/S LED 900	856	1,8 kg
ATLANTIS/S LED 1200	1137	2,3 kg
ATLANTIS/S LED 1500	1418	2,9 kg

(B) Variável
Variable
Variable

medidas em mm | dimensions in mm | dimensions en mm



ATLANTIS/E LED



pré-aro recessing ring cadre

	(A)	(B1)	(B2)		peso weight poids
ATLANTIS/E 600 pré-aro recessing ring cadre	575	582	602	47x603	1,2 kg 0,27 kg
ATLANTIS/E 900 pré-aro recessing ring cadre	856	863	883	47x884	1,8 kg 0,27 kg
ATLANTIS/E 1200 pré-aro recessing ring cadre	1137	1144	1164	47x1165	2,3 kg 0,3 kg
ATLANTIS/E 1500 pré-aro recessing ring cadre	1418	1415	1445	47x1446	2,9 kg 0,4 kg

medidas em mm | dimensions in mm | dimensions en mm





Atmosfera do espaço

A maioria das peças aqui expostas integram uma coleção de objetos doados pelos Afuradenses ao Pe. Joaquim de Araújo, pároco da freguesia da Afurada durante cerca de cinquenta anos. Hoje pertencem ao acervo do Museu Casa do Assento, Câmara Municipal de Felgueiras, cuja disponibilização para a exposição permanente do Centro Interpretativo do Património da Afurada, se agradece reconhecidamente.



DIALINE

O equipamento DIALINE foi desenhado para permitir a substituição de iluminação linear baseada em soluções de fluorescentes convencionais T5 e T8, utilizando tecnologia LED de alto rendimento. Este aparelho apresenta-se em módulos individuais ou em linha contínua.

The DIALINE equipment is designed to permit replacement of linear lighting solutions based on conventional fluorescentes T5 and T8, using high performance LEDs. This equipment is available in individual modules or in continuous line.

L'équipement de Dialine est conçu pour permettre le remplacement de solutions d'éclairage linéaires basés sur fluorescentes T5 et T8 classique, utilisant des LED de haute performance. Cet équipement est disponible en modules individuels ou en ligne continue.

Montagem suspensa ou direta ao teto.
Iluminação direta.
Corpo em alumínio extrudido termolacado à cor.
Difusor em PMMA.
Tecnologia LED de média potência e alto rendimento.
Elevado índice de restituição cromática (Ra > 80).
Equipamento incorporado.
Fluxo luminoso elevado.
Diferentes temperaturas de cor disponíveis.
Vida útil elevada.

Suspended and surface mounted.
Direct lighting.
Extruded thermo-laquered colored aluminium body.
PMMA diffuser.
High performance mid-power LED technology.
High chromatic restitution index (Ra > 80).
Built-in control gear.
Available different color temperatures.
Long lifetime.

Montage en suspension et en surface.
Éclairage direct.
Corps en aluminium extrudé thermolaqué coloré.
Diffuseur en PMMA.
Technologie LED de moyenne puissance et à haut rendement.
Indice de restitution chromatique élevé (Ra > 80).
Équipement incorporé.
Températures de couleurs différent sont disponibles.
Durée de vie élevée.

CE 230 V 50Hz  IP20 

 branco, white, blanc
RAL 9003

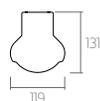


DIALINE

versões versions versions

	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée
DIALINE HB	230V 50Hz	3000K	3300lm	80	72lm/W	45 W

Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)



Vista frontal
Front view
Vue de face



Vista lateral
Side view
Vue latérale



Vista superior
Top view
Vue de dessus

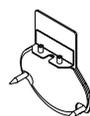
	peso weight poids
DIALINE	4,8 kg

medidas em mm | dimensions in mm | dimensions en mm

opcionais/acessórios optional/accessories optionnel/accessoires



difusor | diffuser | diffuseur



topo | end cap | embout



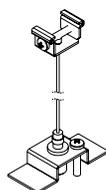
remate da alimentação
power feed
étrier de suspension



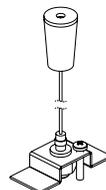
fixação directa ao tecto modular
modular ceiling surface mounting bracket
fixação directe au plafond modulaire



fixação directa ao tecto betão
concrete surface mounting bracket
fixation directe au plafond en béton



suspensão ao tecto modular
modular ceiling suspension cable bracket
suspension de plafond modulaire



suspensão ao tecto de betão
concrete ceiling suspension cable bracket
suspension au plafond en béton





MODELUX ECOLED

CE 230 V 50Hz  IP20 

O equipamento MODELUX ECOLED foi desenhado para permitir a substituição de iluminação fluorescente linear convencional recorrendo a tecnologia LED de elevado desempenho. Este aparelho apresenta-se em módulos individuais ou em linha contínua.

The MODELUX ECOLED equipment was designed to allow the replacement of conventional linear fluorescent lighting using high performance LEDs. This equipment is available in individual modules or in continuous line.

L'équipement MODELUX ECOLED a été conçu pour permettre le remplacement de l'éclairage fluorescent linéaire classique utilisant des LED de haute performance. Cet équipement est disponible en modules individuels ou en ligne continue.

Montagem saliente ou suspensa.
Iluminação direta.
Corpo em alumínio termolacado à cor.
Difusor em PMMA.
Equipamento de alimentação incorporado.
Diferentes temperaturas de cor disponíveis.
Elevado índice de restituição cromática (Ra~80).
Lentes de 60° e dupla assimétrica sob consulta.

Surface or suspended mounted.
Direct lighting.
Thermo-laquered colored aluminum body.
PMMA diffuser.
Built-in control gear.
Available different color temperatures.
High chromatic restitution index (Ra~80).
60° and double asymmetric lenses on request.

Montage en suspension.
Éclairage direct.
Corps en aluminium thermolaqué coloré.
Diffuseur PMMA.
Équipement incorporé.
Températures de couleurs différent sont disponibles.
Indice de restitution chromatique élevé (Ra~80).
Lentilles de 60° et double asymétrique sur demande.

-  preto, black, noir
RAL 9011
-  branco, white, blanc
RAL 9003
-  alumínio, aluminum, aluminium
RAL 9006
-  antracite, anthracite, anthracite
RAL 7016

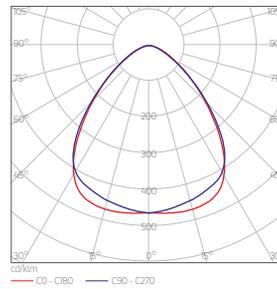


MODELUX ECOLED

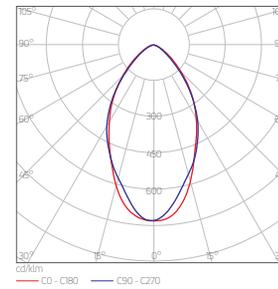
versões versions versions

		alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée	ângulo abertura beam angle angle d'ouverture
MODELUX ECOLED 1200	LB	230V AC 50Hz	3000K 4000K	3134lm 3267lm	80	114lm/W 119lm/W	26 W	90°
	MB	230V AC 50Hz	3000K 4000K	4403lm 4590lm	80	115lm/W 119lm/W	34 W	90°
	HB	230V AC 50Hz	3000K 4000K	5522lm 5757lm	80	115lm/W 120lm/W	44 W	90°
MODELUX ECOLED 1500	LB	230V AC 50Hz	3000K 4000K	3918lm 4089lm	80	114lm/W 119lm/W	33 W	90°
	MB	230V AC 50Hz	3000K 4000K	5509lm 5737lm	80	115lm/W 119lm/W	43 W	90°
	HB	230V AC 50Hz	3000K 4000K	6903lm 7196lm	80	115lm/W 120lm/W	55 W	90°

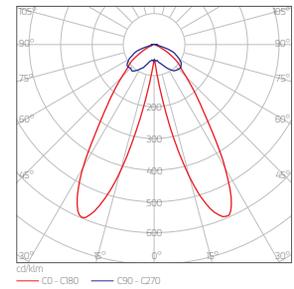
Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)



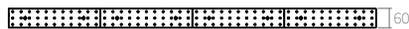
MODELUX ECOLED 90°
simétrico | symmetric / symétrique



MODELUX ECOLED 60°
simétrico | symmetric / symétrique



MODELUX ECOLED
dupla assimétrica
double asymmetric
double asymétrique



Vista inferior
Bottom view
Vue de dessous



Vista lateral
Side view
Vue latérale



Vista frontal
Front view
Vue de face

	medida (L) dimension (L) dimension (L)	peso weight poids
MODELUX ECOLED 1200	1145	3,54 kg
MODELUX ECOLED 1500	1434	4,29 kg

medidas em mm | dimensions in mm | dimensions en mm

detalhes details détails



Suspensão cabo de aço
Steel cable suspension
Cable de suspension en acier



Suspensão varão roscado
Threaded rod suspension
Filetée balancier





OPTICAL LED



O equipamento OPTICAL LED foi desenhado com um conceito minimalista e com o objetivo principal de proporcionar uma iluminação ambiente agradável e confortável ao utilizador. Este aparelho apresenta-se em módulos individuais ou em linha contínua.

The OPTICAL LED equipment was designed with a minimalist concept and with the main objective to provide a pleasant ambient lighting and comforting to the user. This equipment is available in individual modules or in continuous line.

L'équipement OPTICAL LED e a été conçu avec un concept minimaliste et avec pour principal objectif de fournir un éclairage ambiant agréable et réconfortant pour l'utilisateur. Cet équipement est disponible en modules individuels ou en ligne continue.

Iluminação direta.

Corpo em alumínio termolacado à cor ou anodizado.
Difusor em PMMA opalino.
Equipamento de alimentação incorporado.
Diferentes temperaturas de cor disponíveis.

Direct lighting.

Thermo-laquered colored or anodized aluminium body.
Opal PMMA diffuser.
Built-in control gear.
Available different color temperatures.

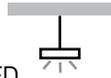
Éclairage direct.

Corps en aluminium thermolaqué coloré ou anodisé.
Diffuseur en PMMA opale.
Équipement incorporé.
Températures de couleurs différent sont disponibles.

- preto, black, noir
RAL 9011
- branco, white, blanc
RAL 9003
- antracite, anthracite, anthracite
RAL 7016
- natural, natural, naturel



OPTICAL LED



OPTICAL/S LED

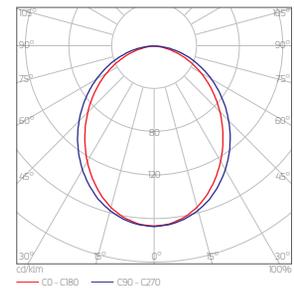


OPTICAL/E LED

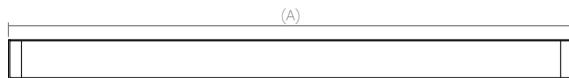
versões versions versions

		alimentação supply alimentation	temperatura de cor color temperature température couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée
OPTICAL LED 600	LB	230V AC 50Hz	3000K 4000K	994lm 1030lm	>80	57lm/W 59lm/W	17 W
	MB	230V AC 50Hz	3000K 4000K	1162lm 1197lm	>80	54lm/W 56lm/W	21 W
	HB	230V AC 50Hz	3000K 4000K	1320lm 1364lm	>80	52lm/W 54lm/W	25 W
OPTICAL LED 900	LB	230V AC 50Hz	3000K 4000K	1492lm 1544lm	>80	57lm/W 59lm/W	26 W
	MB	230V AC 50Hz	3000K 4000K	1742lm 1795lm	>80	54lm/W 56lm/W	32 W
	HB	230V AC 50Hz	3000K 4000K	1980lm 2046lm	>80	52lm/W 54lm/W	38 W
OPTICAL LED 1200	LB	230V AC 50Hz	3000K 4000K	1989lm 2059lm	>80	57lm/W 59lm/W	35 W
	MB	230V AC 50Hz	3000K 4000K	2323lm 2394lm	>80	54lm/W 56lm/W	43 W
	HB	230V AC 50Hz	3000K 4000K	2640lm 2728lm	>80	52lm/W 54lm/W	51 W
OPTICAL LED 1500	LB	230V AC 50Hz	3000K 4000K	2486lm 2574lm	>80	57lm/W 59lm/W	43 W
	MB	230V AC 50Hz	3000K 4000K	2904lm 2992lm	>80	54lm/W 56lm/W	53 W
	HB	230V AC 50Hz	3000K 4000K	3300lm 3410lm	>80	52lm/W 54lm/W	63 W

Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)



OPTICAL LED



Vista inferior
Bottom view
Vue de dessous



Vista frontal
Front view
Vue de face



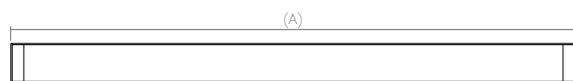
Vista lateral
Side view
Vue latérale

	(A)	peso weight poids
OPTICAL LED 600	588	0,9 kg
OPTICAL LED 900	869	1,3 kg
OPTICAL LED 1200	1150	1,7 kg
OPTICAL LED 1500	1431	2,1 kg

medidas em mm | dimensions in mm | dimensions en mm



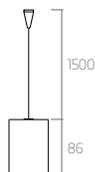
OPTICAL/S LED



Vista inferior
Bottom view
Vue de dessous



Vista frontal
Front view
Vue de face



Vista lateral
Side view
Vue latérale

	(A)	peso weight poids
OPTICAL/S LED 600	588	0,9 kg
OPTICAL/S LED 900	869	1,3 kg
OPTICAL/S LED 1200	1150	1,7 kg
OPTICAL/S LED 1500	1431	2,1 kg

medidas em mm | dimensions in mm | dimensions en mm



OPTICAL/E LED



Vista inferior
Bottom view
Vue de dessous



Vista frontal
Front view
Vue de face



Vista lateral
Side view
Vue latérale

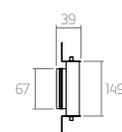
pré-aro recessing ring cadre



Vista inferior
Bottom view
Vue de dessous



Vista frontal
Front view
Vue de face



Vista lateral
Side view
Vue latérale

	(A)	(B1)	(B2)		peso weight poids
OPTICAL/E 600 pré-aro recessing ring cadre	588	595	615	70x616	0,9 kg 0,4 kg
OPTICAL/E 900 pré-aro recessing ring cadre	856	876	896	70x857	1,3 kg 0,5 kg
OPTICAL/E 1200 pré-aro recessing ring cadre	1150	1157	1177	70x1178	1,7 kg 0,9 kg
OPTICAL/E 1500 pré-aro recessing ring cadre	1431	1438	1458	70x1455	2,1 kg 1 kg

medidas em mm | dimensions in mm | dimensions en mm





pump your life pump you



OPTICAL ECOLED

CE 230 V AC 50Hz  IP20 

O equipamento OPTICAL ECOLED foi desenhado para permitir a substituição de iluminação fluorescente linear convencional recorrendo a tecnologia LED de elevado desempenho. Este aparelho apresenta-se em módulos individuais ou em linha contínua.

The OPTICAL ECOLED equipment was designed to allow the replacement of conventional linear fluorescent lighting using high performance LED technology. This equipment is available in individual modules or in continuous line.

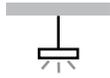
L'équipement OPTICAL ECOLED a été conçu pour permettre le remplacement de l'éclairage fluorescent linéaire classique en utilisant la technologie LED pour des performances. Cet équipement est disponible en modules individuels ou en ligne continue.

-  preto, black, noir
RAL 9011
-  branco, white, blanc
RAL 9003
-  antracite, anthracite, anthracite
RAL 7016
-  natural, natural, naturel

Montagem em suspensão
Iluminação direta.
Corpo em alumínio termolacado à cor.
Difusor em PMMA.
Equipamento de alimentação incorporado.
Diferentes temperaturas de cor disponíveis.
Elevado índice de restituição cromática (Ra~80).
Lentes de 60° e dupla assimétrica sob consulta.

Suspended Mounting.
Direct lighting.
Thermo-laquered colored aluminum body.
PMMA diffuser.
Built-in control gear.
Available different color temperatures.
High chromatic restitution index (Ra~80).
60° and double asymmetric lenses on request.

Montage en suspension.
Éclairage direct.
Corps en aluminium thermolaqué coloré.
Diffuseur en PMMA.
Équipement incorporé.
Températures de couleurs différent sont disponibles.
Indice de restitution chromatique élevé (Ra~80).
Lentilles de 60° et double asymétrique sur demande.

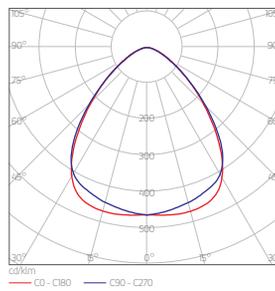


OPTICAL ECOLED

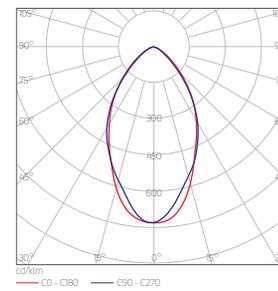
versões versions versions

		alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée	ângulo abertura beam angle angle d'ouverture
OPTICAL ECOLED 1200	LB	230V AC 50Hz	3000K 4000K	3134lm 3267lm	80	114lm/W 119lm/W	26 W	90°
	MB	230V AC 50Hz	3000K 4000K	4403lm 4590lm	80	115lm/W 119lm/W	34 W	90°
	HB	230V AC 50Hz	3000K 4000K	5522lm 5757lm	80	115lm/W 120lm/W	44 W	90°
OPTICAL ECOLED 1500	LB	230V AC 50Hz	3000K 4000K	3918lm 4089lm	80	114lm/W 119lm/W	33 W	90°
	MB	230V AC 50Hz	3000K 4000K	5509lm 5737lm	80	115lm/W 119lm/W	43 W	90°
	HB	230V AC 50Hz	3000K 4000K	6903lm 7196lm	80	115lm/W 120lm/W	55 W	90°

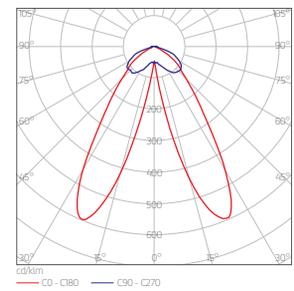
Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)



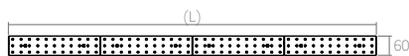
OPTICAL ECOLED 90°
simétrico | symmetric / symétrique



OPTICAL ECOLED 60°
simétrico | symmetric / symétrique



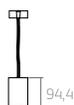
OPTICAL ECOLED
dupla assimétrica
double asymmetric
double asymétrique



Vista inferior
Bottom view
Vue de dessous



Vista lateral
Side view
Vue latérale



Vista frontal
Front view
Vue de face

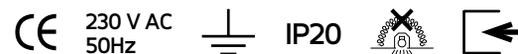
	medida (L) dimension (L) dimension (L)	peso weight poids
OPTICAL ECOLED 1200	1149	2,6 kg
OPTICAL ECOLED 1500	1435	3,2 kg

medidas em mm | dimensions in mm | dimensions en mm





RET LED



O equipamento RET LED foi desenhado com um conceito minimalista e com o objetivo principal de proporcionar uma iluminação ambiente agradável e confortante ao utilizador. Este aparelho apresenta-se em módulos individuais ou em linha contínua.

The RET LED equipment was designed with a minimalist concept and with the main objective to provide a pleasant ambient lighting and comforting to the user. This equipment is available in individual modules or in continuous line.

L'équipement RET LED e a été conçu avec un concept minimaliste et avec pour principal objectif de fournir un éclairage ambiant agréable et réconfortant pour l'utilisateur. Cet équipement est disponible en modules individuels ou en ligne continue.

Montagem encastrada.
Iluminação direta.
Corpo em alumínio termolacado à cor ou anodizado.
Difusor em policarbonato opalino.
Equipamento de alimentação incorporado.
Diferentes temperaturas de cor disponíveis.
Elevado índice de restituição cromática (Ra >80).

Recessed mounted.
Direct lighting.
Thermo-laquered colored or anodized aluminium body.
Opal polycarbonate diffuser.
Built-in control gear.
Available different color temperatures.
High chromatic restitution index (Ra>80).

Montage encastré, en surface et directe.
Éclairage direct.
Corps en aluminium thermolaqué coloré ou anodisé.
Diffuseur en polycarbonate opale.
Équipement incorporé.
Différentes températures de couleurs sont disponibles.
Indice de restitution chromatique élevé (Ra>80).

- preto, black, noir
RAL 9011
- branco, white, blanc
RAL 9003
- antracite, anthracite, anthracite
RAL 7016
- natural, natural, naturel

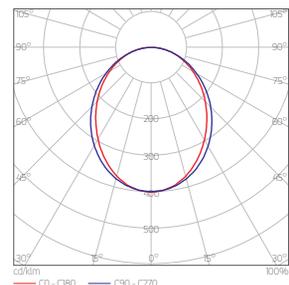


RET LED

versões versions versions

		alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous flux flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée
RET LED 600	LB	230V AC 50Hz	3000K 4000K	859lm 889lm	>80	50lm/W 51lm/W	17 W
	MB	230V AC 50Hz	3000K 4000K	1003lm 1034lm	>80	47lm/W 48lm/W	21 W
	HB	230V AC 50Hz	3000K 4000K	1140lm 1178lm	>80	45lm/W 47lm/W	25 W
RET LED 900	LB	230V AC 50Hz	3000K 4000K	1288lm 1334lm	>80	50lm/W 51lm/W	26 W
	MB	230V AC 50Hz	3000K 4000K	1505lm 1550lm	>80	47lm/W 48lm/W	32 W
	HB	230V AC 50Hz	3000K 4000K	1710lm 1767lm	>80	45lm/W 47lm/W	38 W
RET LED 1200	LB	230V AC 50Hz	3000K 4000K	1718lm 1778lm	>80	50lm/W 51lm/W	35 W
	MB	230V AC 50Hz	3000K 4000K	2006lm 2067lm	>80	47lm/W 48lm/W	43 W
	HB	230V AC 50Hz	3000K 4000K	2280lm 2356lm	>80	45lm/W 47lm/W	51 W
RET LED 1500	LB	230V AC 50Hz	3000K 4000K	2147lm 2223lm	>80	50lm/W 51lm/W	43 W
	MB	230V AC 50Hz	3000K 4000K	2508lm 2584lm	>80	47lm/W 48lm/W	53 W
	HB	230V AC 50Hz	3000K 4000K	2850lm 2945lm	>80	45lm/W 47lm/W	63 W

Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)



RET LED



Vista inferior
Bottom view
Vue de dessous



Vista lateral
Side view
Vue latérale



Vista frontal
Front view
Vue de face

	(A)	(B)		peso weight poids
RET LED 600	606	594	65x599	1,7 kg
RET LED 900	887	875	65x880	2,6 kg
RET LED 1200	1168	1156	65x1161	3,4 kg
RET LED 1500	1449	1437	65x1442	4,2 kg

medidas em mm | dimensions in mm | dimensions en mm

opcionais/acessórios optional/accessories optionnel/accessoires



fixação | fixation | fixation







WALLCORNER


 230 V AC
 50Hz
 
 IP20 HF HF DIM
 

O equipamento WALLCORNER foi desenhado com um conceito minimalista e com o objetivo principal de tornar possível a iluminação de cantos de 90°.

The WALLCORNER equipment was designed with a minimalist concept and with the principal aim of making possible the illumination of the corners in 90°.

L'équipement WALLCORNER est conçu avec le concept minimaliste et avec l'objectif principal de faire un éclairage de 90° coins que possible.

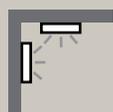
Montagem saliente.
 Iluminação direta.
 Estrutura em alumínio termolacada à cor.
 Acrílico de protecção incluído.
 Balastro electrónico incluído.
 Diferentes temperaturas de cor disponíveis.

Surface mounted.
 Direct lighting.
 Thermo-laquered colored aluminum structure.
 Acrylic protection included.
 Electronic ballast included.
 Available different color temperatures.

Montage en surface.
 Éclairage direct.
 Corps en aluminium thermolaqué coloré.
 Protection acrylique inclus.
 Ballast électronique inclus.
 Différentes températures de couleurs sont disponibles.

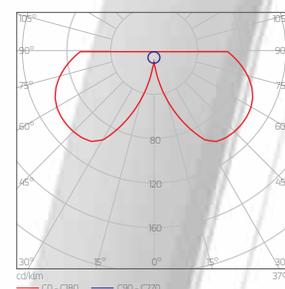
	preto, black, noir RAL 9011
	branco, white, blanc RAL 9003
	aluminio, aluminum, aluminium RAL 9006
	antracite, anthracite, anthracite RAL 7016

WALLCORNER

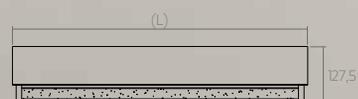


versões versions versions

		lâmpada lamp lampe	temperatura de cor color temperature temperature couleur	potência entrada input power puissance d'entrée
WALLCORNER 600	2 x	 T5 G5	2700K 3000K 4000K	max 48 W
WALLCORNER 900	2 x	 T5 G5	2700K 3000K 4000K	max 70 W
WALLCORNER 1200	2 x	 T5 G5	2700K 3000K 4000K	max 108 W
WALLCORNER 1500	2 x	 T5 G5	2700K 3000K 4000K	max 160 W



2x T5 max 80 W



	medida (L) dimension (L) dimension (L)	peso weight poids
WALLCORNER 600	639	2,7 kg
WALLCORNER 900	939	3,9 kg
WALLCORNER 1200	1239	5,1 kg
WALLCORNER 1500	1539	6,4 kg

medidas em mm | dimensions in mm | dimensions en mm





DRY LED


 230 V AC
 50Hz
 
 IP66
 
 IK08
PC


DRY LED é um equipamento à prova do tempo para uso básico, com uma estética moderna e facilidade de instalação, utilizando tecnologia LED de alto rendimento.

DRY LED is weatherproof luminaire for basic use with modern aesthetics and ease of installation, it uses high performance LED technologie.

DRY LED est un équipement résistant aux intempéries pour une utilisation basique, avec une esthétique moderne et facilité d'installation et utilisant la technologie LED de haute performance.

Montagem saliente ou suspensa.
 Iluminação direta.
 Corpo em policarbonato injectado.
 Difusor transparente em policarbonato (PC).
 Reflector em alumínio polido (opção).
 Molas em plástico ou em aço inox.
 Tecnologia LED de média potência e alto rendimento.
 Elevada eficácia luminosa.
 Vida útil elevada.

Surface or suspended mounted.
 Direct lighting.
 Injected polycarbonate body.
 Transparent diffuser in polycarbonate (PC).
 Polished aluminum reflector (option).
 Plastic or stainless steel clips.
 High performance mid-power LED technologie.
 High luminous efficacy.
 Long lifetime.

Montage en suspension.
 Éclairage direct.
 Corps injecté en polycarbonate.
 Diffuseur en polycarbonate transparent (PC).
 Réflecteur en aluminium poli (option).
 Ressorts en plastique ou en acier inoxydable.
 Technologie LED de moyenne puissance et à haut rendement.
 Haute efficacité lumineuse.
 Durée de vie élevée.

alumínio, aluminum, aluminium
 RAL 7035

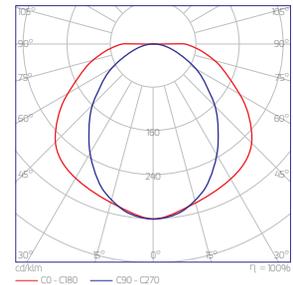


DRY LED

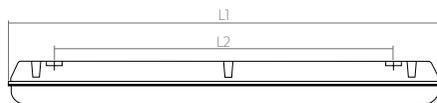
versões versions versions

		alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée	ângulo abertura beam angle angle d'ouverture
DRY LED 1200	MB	230V AC 50Hz	3000K 4000K	2182lm 2253lm	>80	101lm/W 105lm/W	22 W	60°
	HB	230V AC 50Hz	3000K 4000K	4068lm 4212lm	>80	98lm/W 102lm/W	41 W	60°
DRY LED 1500	MB	230V AC 50Hz	3000K 4000K	2728lm 2816lm	>80	101lm/W 105lm/W	27 W	60°
	HB	230V AC 50Hz	3000K 4000K	5085lm 5265lm	>80	98lm/W 102lm/W	52 W	60°

Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)



DRY LED



Vista frontal
Front view
Vue de face



Vista lateral
Side view
Vue latérale

	L1	L2	peso weight poids
DRY LED 1200	1277	800	2,3 kg
DRY LED 1500	1573	1100	2,9 kg

medidas em mm | dimensions in mm | dimensions en mm



A gama de exterior Exporlux é o reflexo de uma criteriosa seleção de materiais e uma larga experiência ao nível do desenvolvimento mecânico.

A fabricação de equipamentos para iluminação no exterior deve obedecer a rigorosos critérios na escolha de componentes, materiais com características duradouras e resistentes, ligas especiais e essencialmente designs já amadurecidos garantindo índices de proteção sustentáveis. Apenas e só, desta maneira, será possível avançar para integrações eletrónicas sustentáveis, eficientes e duradouras.

Exporlux's exterior lighting line offers a scrupulous selection of materials and vast experience with regard to mechanical development. The manufacture of exterior lighting equipment should comply with rigorous criteria during the selection of the components. The material should be durable and resistant, special alloys should be used and, essentially, the experienced designs should guarantee highly sustainable protection. Only in this manner is it possible to advance to sustainable, efficient and durable electronic integrations.

La gamme d'extérieur Exporlux est le reflet d'une sélection rigoureuse de matériaux et d'une vaste expérience au niveau du développement mécanique. La fabrication d'équipements pour l'éclairage extérieur doit respecter de rigoureux critères dans le choix des composants, matériaux aux propriétés durables et résistantes, des alliages spéciaux et essentiellement des designs parvenus à maturité assurant des indices de protection durables. Ce n'est qu'ainsi qu'il sera possible d'avancer vers des intégrations électroniques durables, efficaces et pérennes.

exporlux



Exterior



JOTA

O equipamento JOTA foi desenhado para possibilitar uma boa iluminação de ruas e passeios pedonais, podendo ser aplicado em variados locais, tanto no exterior como no interior, devido ao seu elevado índice de protecção.

The JOTA equipment was designed to enable a good street lighting and footpaths, and can be applied in various locations, both outside and inside, due to its high protection.

L'équipement JOTA a été conçu pour permettre un bon éclairage de rue et des chemins piétons et peut être appliquée à différents endroits, tant à l'extérieur et à l'intérieur, en raison de sa haute protection.

Corpo em alumínio injectado.
Aro em alumínio injectado termolacado à cor.
Equipamento de alimentação incorporado.
Diferentes temperaturas de cor disponíveis.

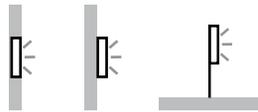
Die cast aluminum body.
Thermo-laquered colored die cast aluminum frame.
Built-in control gear.
Available different color temperatures.

Corps en aluminium injecté.
Cadre en aluminium injecté thermolaqué coloré.
Équipement incorporé.
Différentes températures de couleurs sont disponibles.



- preto, black, noir
RAL 9011
- branco, white, blanc
RAL 9003
- alumínio, aluminum, aluminium
RAL 9006
- antracite, anthracite, anthracite
RAL 7016

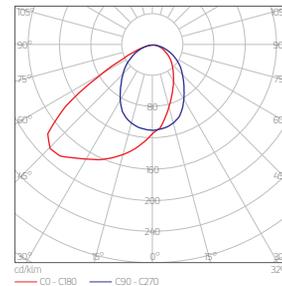
JOTA



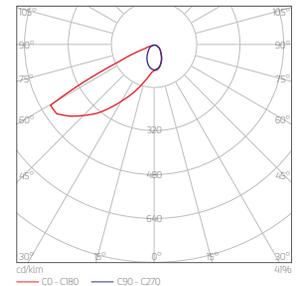
versões versions versions

	lâmpada lamp lampe	alimentação supply alimentation	temperatura de cor color temperature température couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée
1x	G9	230V AC 50Hz	-	-	-	-	25 W
1x	LED	230V AC 50Hz	3000K 4000K 5000K	130lm 170lm 168lm	>90 >80 >80	52lm/W 68lm/W 71lm/W	2,5 W
1x	LED	230V AC 50Hz	3000K 4000K 5000K	232lm 304lm 320lm	>90 >80 >80	46lm/W 61lm/W 64lm/W	5 W
1x	LED		230V AC 50Hz	-	-	-	2,5 W 5 W
			230V AC 50Hz	-	-	-	2,5 W 5 W
			230V AC 50Hz	-	-	-	2,5 W 5 W
			230V AC 50Hz	-	-	-	2,5 W 5 W

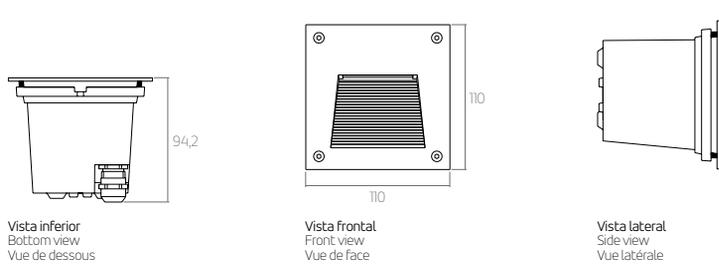
Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)



JOTA G9 25 W



JOTA LED 5 W



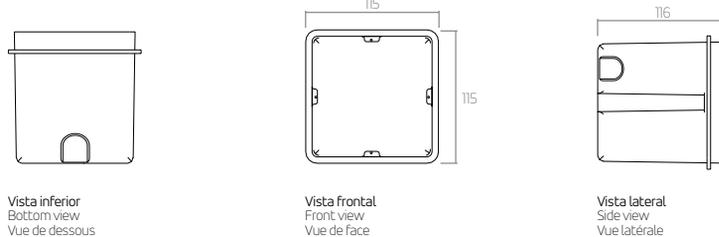
Vista inferior
Bottom view
Vue de dessous

Vista frontal
Front view
Vue de face

Vista lateral
Side view
Vue latérale



caixa de encastrar recessed box boîte encastrée



Vista inferior
Bottom view
Vue de dessous

Vista frontal
Front view
Vue de face

Vista lateral
Side view
Vue latérale

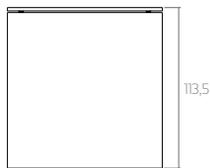


	peso weight poids
JOTA	0,49 kg
caixa de encastrar recessed box boîte encastrée	0,085 kg

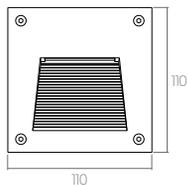
medidas em mm | dimensions in mm | dimensions en mm



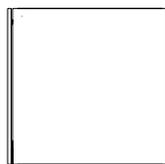
JOTA S



Vista inferior
Bottom view
Vue de dessous



Vista frontal
Front view
Vue de face



Vista lateral
Side view
Vue latérale

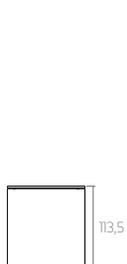
	peso weight poids
JOTA S	0,94 kg

medidas em mm | dimensions in mm | dimensions en mm

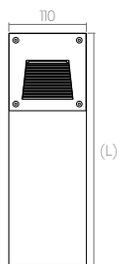
detalhes details détails



JOTA C



Vista inferior
Bottom view
Vue de dessous



Vista frontal
Front view
Vue de face



Vista lateral
Side view
Vue latérale

	medida (L) dimension (L) dimension (L)	peso weight poids
JOTA C 400	404	1,95 kg
JOTA C 600	604	2,5 kg
JOTA C 800	804	3,2 kg

medidas em mm | dimensions in mm | dimensions en mm

detalhes details détails





MINIATREX LED

CE 24V DC III IP67 IK10 →

O equipamento MINIATREX foi desenhado para iluminação arquitetural com variação de cor. O módulo ótico recorre à mais avançada tecnologia LED disponível atualmente no mercado.

The MINIATREX equipment was designed to architectural lighting with color variation. The optical module uses the most advanced LED technology available today.

L'équipement MINIATREX a été conçu pour l'éclairage architectural avec variation de couleur. Le module optique utilise la technologie plus avancée LED disponibles aujourd'hui.

Montagem saliente.

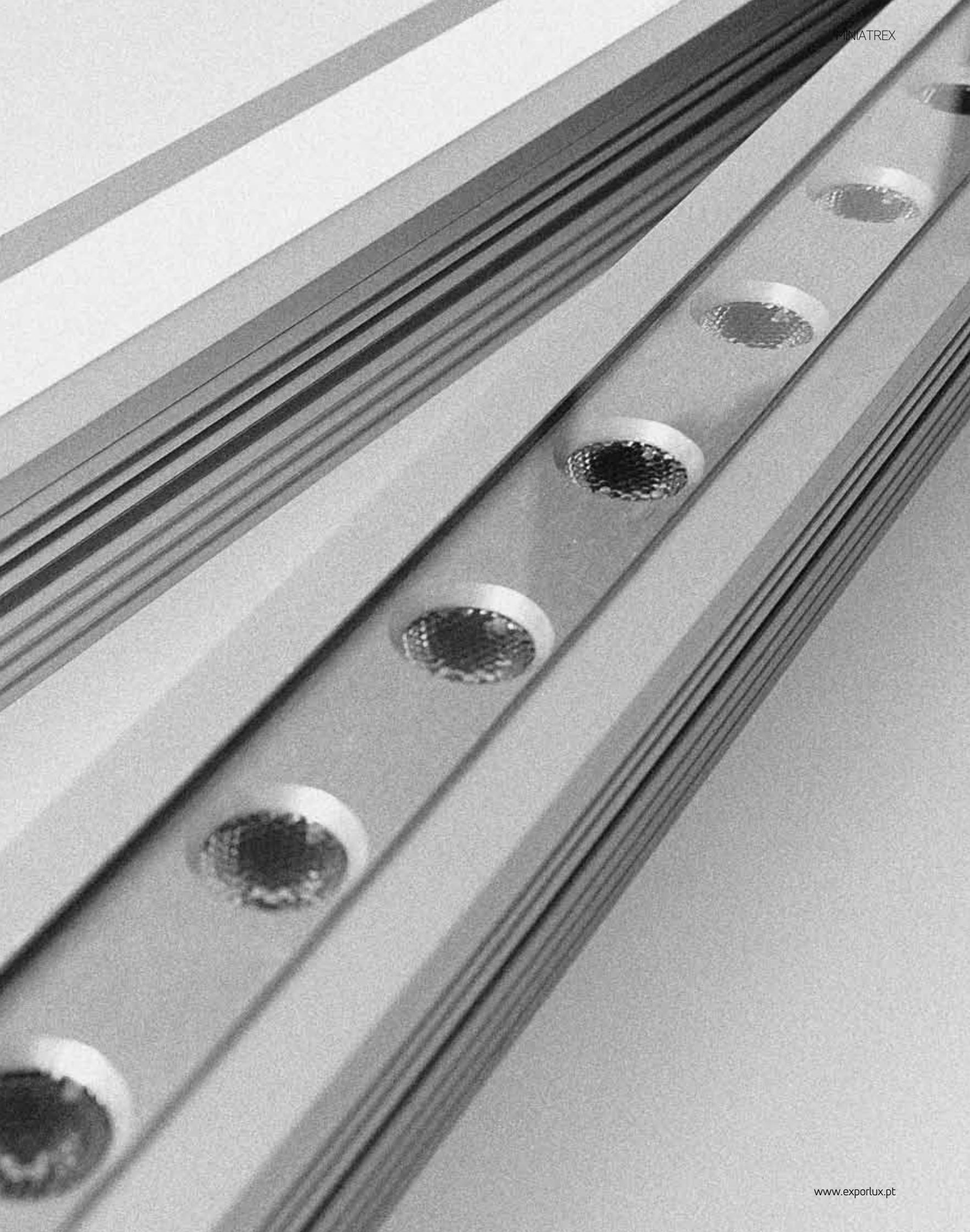
Corpo em alumínio anodizado.
Difusor em policarbonato opalino ou transparente.
Diferentes temperaturas de cor disponíveis.

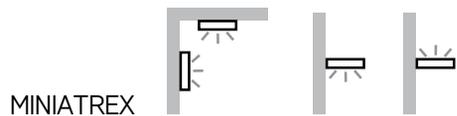
Surface mounted.
Anodized aluminum body.
Thermo-laquered colored aluminum frame.
Opal or transparent polycarbonate diffuser.
Available different color temperatures.

Montage en surface.

Corps en aluminium anodisé.
Diffuseur en polycarbonate opale ou transparent.
Températures de couleurs différentes sont disponibles.

aluminio, aluminum, aluminium
RAL 9006

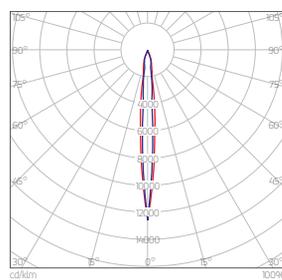




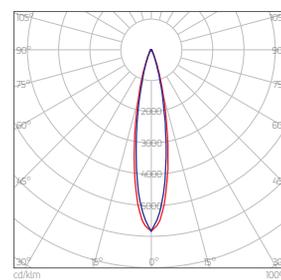
versões versions versions

	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée	ângulo de abertura beam angle angle d'ouverture
MINIATREX 250	24V DC	3000K 4000K 5000K	783lm 943lm 968lm	70	66lm/W 79lm/W 81lm/W	12 W	10° / 25° / 40°
MINIATREX 500	24V DC	3000K 4000K 5000K	1558lm 1870lm 1911lm	70	65lm/W 78lm/W 80lm/W	23,8 W	10° / 25° / 40°
MINIATREX 750	24V DC	3000K 4000K 5000K	2325lm 2792lm 2854lm	70	65lm/W 78lm/W 80lm/W	35,6 W	10° / 25° / 40°
MINIATREX 1000	24V DC	3000K 4000K 5000K	3083lm 3706lm 3788lm	70	65lm/W 78lm/W 80lm/W	47,7 W	10° / 25° / 40°

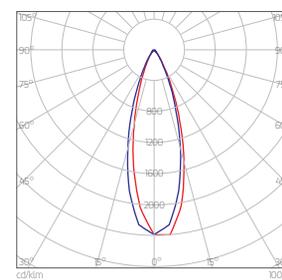
Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)



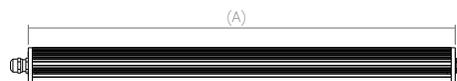
MINIATREX 10°



MINIATREX 25°



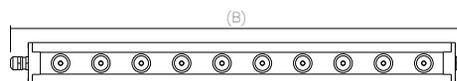
MINIATREX 40°



Vista frontal
Front view
Vue de face



Vista lateral
Side view
Vue latérale



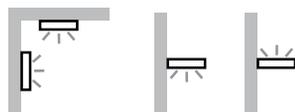
Vista inferior
Bottom view
Vue de dessous

	(A)	(B)	peso weight poids
MINIATREX 250	311	280	0,9 kg
MINIATREX 500	561	530	1,7 kg
MINIATREX 750	811	780	2,6 kg
MINIATREX 1000	1061	1030	3,4 kg

medidas em mm | dimensions in mm | dimensions en mm



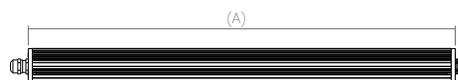
MINIATREX BAL



versões versions versions

	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée	ângulo de abertura beam angle angle d'ouverture
MINIATREX BAL 250	24V DC	3000K 4000K	26lm 33lm	70	20lm/W 25lm/W	1,3 W	-
	24V DC	-	-	-	-	1,3 W	-
MINIATREX BAL 500	24V DC	3000K 4000K	66lm 82lm	70	20lm/W 25lm/W	3,3 W	-
	24V DC	-	-	-	-	3,3 W	-
MINIATREX BAL 750	24V DC	3000K 4000K	92lm 115lm	70	20lm/W 25lm/W	4,7 W	-
	24V DC	-	-	-	-	4,7 W	-
MINIATREX BAL 1000	24V DC	3000K 4000K	132lm 164lm	70	20lm/W 25lm/W	6,7 W	-
	24V DC	-	-	-	-	6,7 W	-

Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)



Vista frontal
Front view
Vue de face



Vista lateral
Side view
Vue latérale



Vista inferior
Bottom view
Vue de dessous

	(A)	(B)	peso weight poids
MINIATREX BAL 250	311	280	0,9 kg
MINIATREX BAL 500	561	530	1,7 kg
MINIATREX BAL 750	811	780	2,6 kg
MINIATREX BAL 1000	1061	1030	3,4 kg

medidas em mm | dimensions in mm | dimensions en mm



opcionais/acessórios optional/accessories optionnel/accessoires



MINIATREX PISO LED

CE 24V DC III IP67 IK10 →

O equipamento MINIATREX PISO foi desenvolvido para iluminação arquitetural com variação de cor. O módulo ótico recorre à mais avançada tecnologia LED disponível atualmente no mercado.

The MINIATREX PISO equipment was designed to architectural lighting with color variation. The optical module uses the most advanced LED technology available today.

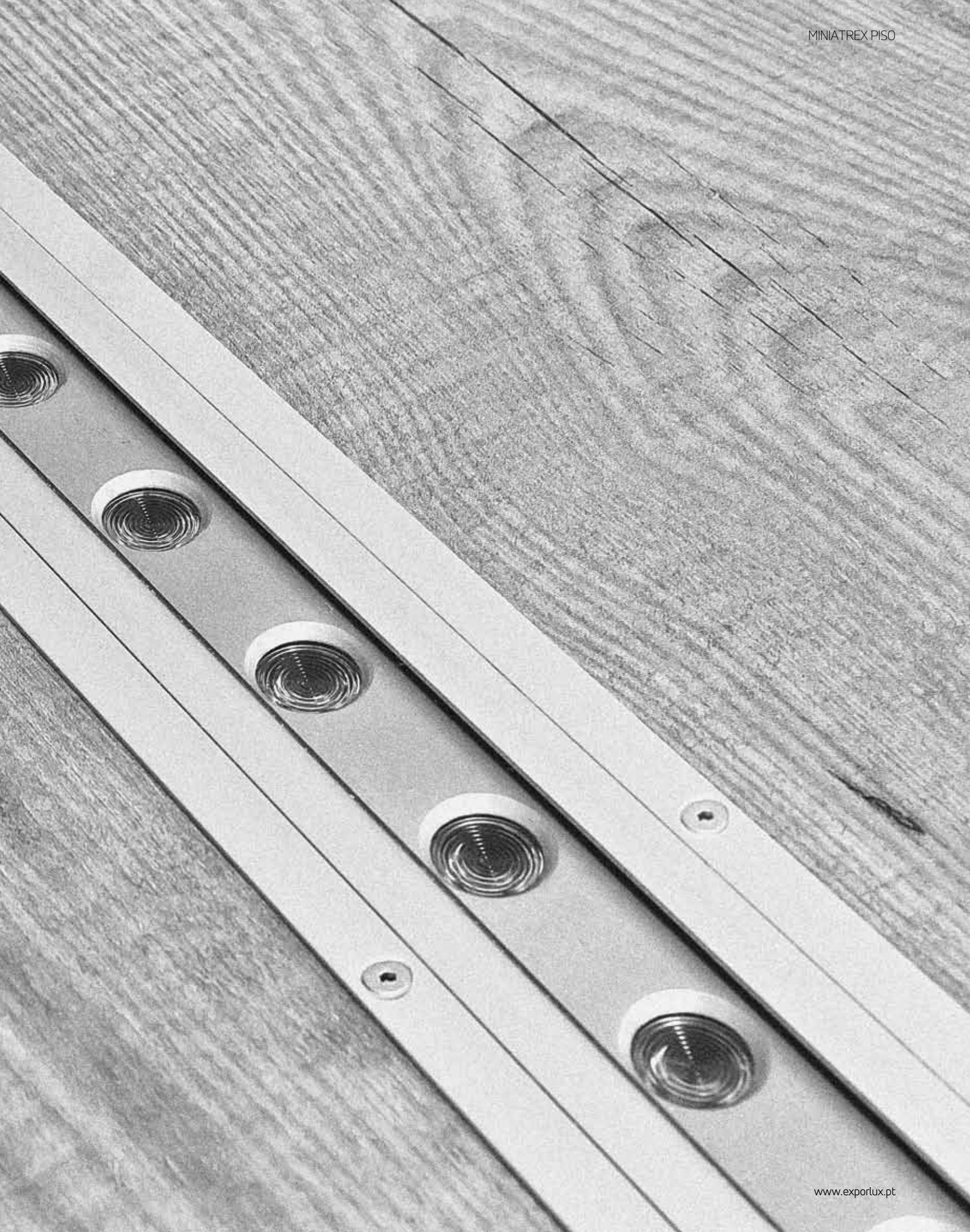
L'équipement MINIATREX PISO a été conçu pour l'éclairage architectural avec variation de couleur. Le module optique utilise la technologie plus avancée LED disponibles aujourd'hui.

Montagem encastrada.
Corpo em alumínio anodizado.
Difusor em policarbonato opalino ou transparente.
Diferentes temperaturas de cor disponíveis.

Recessed mounted.
Anodized aluminum body.
Thermo-laquered colored aluminum frame.
Opal or transparent polycarbonate diffuser.
Available different color temperatures.

Montage encastré.
Corps en aluminium anodisé.
Diffuseur en polycarbonate opale ou transparent.
Températures de couleurs différentes sont disponibles.

aluminio, aluminum, aluminium
RAL 9006



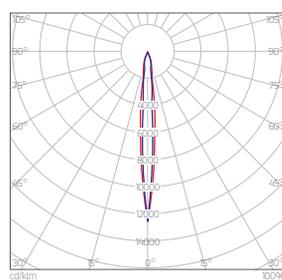
MINIATREX PISO



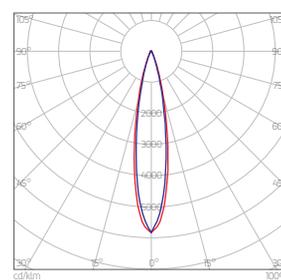
versões versions versions

	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée	ângulo de abertura beam angle angle d'ouverture
MINIATREX PISO 250	24V DC	3000K 4000K 5000K	783lm 943lm 968lm	70	66lm/W 79lm/W 81lm/W	12 W	10° / 25° / 40°
MINIATREX PISO 500	24V DC	3000K 4000K 5000K	1558lm 1870lm 1911lm	70	65lm/W 78lm/W 80lm/W	23,8 W	10° / 25° / 40°
MINIATREX PISO 750	24V DC	3000K 4000K 5000K	2325lm 2792lm 2854lm	70	65lm/W 78lm/W 80lm/W	35,6 W	10° / 25° / 40°
MINIATREX PISO 1000	24V DC	3000K 4000K 5000K	3083lm 3706lm 3788lm	70	65lm/W 78lm/W 80lm/W	47,7 W	10° / 25° / 40°

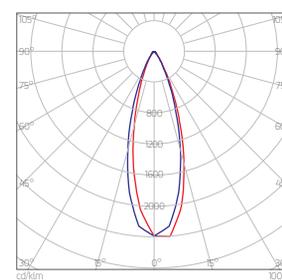
Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)



MINIATREX PISO 10°



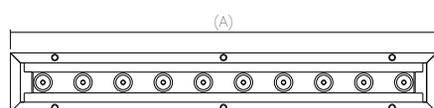
MINIATREX PISO 25°



MINIATREX PISO 40°



Vista frontal
Front view
Vue de face



Vista superior
Top view
Vue d'en haut

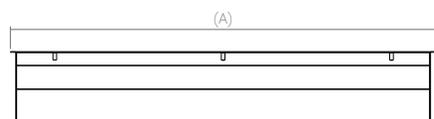


Vista lateral
Side view
Vue latérale

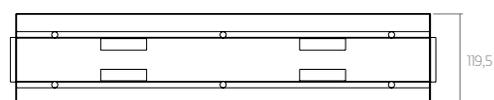
	(A)		peso weight poids
MINIATREX PISO 250	306		1 kg
Recessed box	306	119,5x292	0,9 kg
MINIATREX PISO 500	556		2 kg
Recessed box	556	119,5x542	1,65 kg
MINIATREX PISO 750	806		2,85 kg
Recessed box	806	119,5x792	2,3 kg
MINIATREX PISO 1000	1056		3,7 kg
Recessed box	1056	119,5x1042	3,0 kg

medidas em mm | dimensions in mm | dimensions en mm

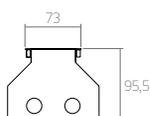
caixa de encastrar recessed box boîte encastrée



Vista frontal
Front view
Vue de face



Vista superior
Top view
Vue d'en haut



Vista lateral
Side view
Vue latérale



MINIATREX PISO BAL



versões versions versions

	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée	ângulo de abertura beam angle angle d'ouverture
MINIATREX PISO BAL 250	24V DC	3000K 4000K	26lm 33lm	70	20lm/W 25lm/W	1,3 W	-
	24V DC	-	-	-	-	1,3 W	-
MINIATREX PISO BAL 500	24V DC	3000K 4000K	66lm 82lm	70	20lm/W 25lm/W	3,3 W	-
	24V DC	-	-	-	-	3,3 W	-
MINIATREX PISO BAL 750	24V DC	3000K 4000K	92lm 115lm	70	20lm/W 25lm/W	4,7 W	-
	24V DC	-	-	-	-	4,7 W	-
MINIATREX PISO BAL 1000	24V DC	3000K 4000K	132lm 164lm	70	20lm/W 25lm/W	6,7 W	-
	24V DC	-	-	-	-	6,7 W	-

Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)



Vista frontal
Front view
Vue de face



Vista superior
Top view
Vue d'en haut

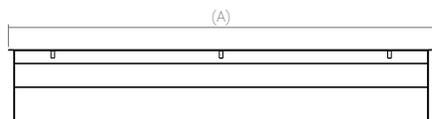


Vista lateral
Side view
Vue latérale

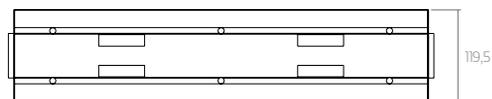
	(A)		peso weight poids
MINIATREX PISO BAL 250	306		1 kg
Recessed box	306	119,5x292	0,9 kg
MINIATREX PISO BAL 500	556		2 kg
Recessed box	556	119,5x542	1,65 kg
MINIATREX PISO BAL 750	806		2,85 kg
Recessed box	806	119,5x792	2,3 kg
MINIATREX PISO BAL 1000	1056		3,7 kg
Recessed box	1056	119,5x1042	3,0 kg

medidas em mm | dimensions in mm | dimensions en mm

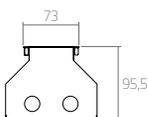
caixa de encastrar recessed box boîte encastrée



Vista frontal
Front view
Vue de face



Vista superior
Top view
Vue d'en haut



Vista lateral
Side view
Vue latérale





PROURB LED

CE 230 V AC 50Hz  IP65 IK08 

O equipamento PROURB LED foi desenhado recorrendo à mais avançada tecnologia LED disponível atualmente no mercado. Este equipamento conjuga elevados níveis de eficiência energética com qualidade lumínica superior.

The PROURB LED equipment was designed and developed based in the most advanced LED technology currently available. It combines high efficiency and high light quality.

L'équipement PROURB LED est conçu en utilisant la technologie LED la plus avancée disponible aujourd'hui. Cet équipement combine haute efficacité énergétique avec une qualité de sortie de lumière plus élevés.

Montagem saliente.
Iluminação direta.
Estrutura e base em alumínio termolacado à cor.
Difusor em policarbonato transparente ou opalino.
Diferentes temperaturas de cor disponíveis.
Elevado índice de restituição cromática (Ra >80).

Surface mounted.
Direct lighting.
Thermo-laquered colored aluminium structure and base.
Opal or transparente polycarbonate diffuser.
Available different color temperatures.
High chromatic restitution index (Ra >80).

Montage en surface.
Éclairage direct.
Structure et base en aluminium thermolaqué coloré.
Diffuseur en polycarbonate opale ou transparent.
Températures de couleurs différentes sont disponibles.
Indice de restitution chromatique élevé (Ra >80).

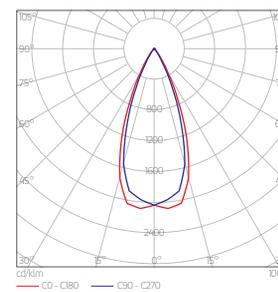
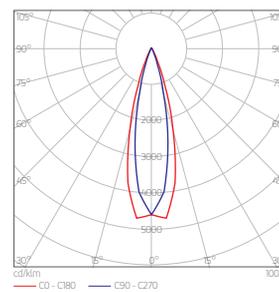
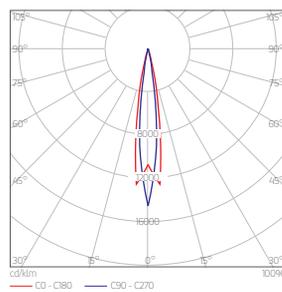
-  preto, black, noir
RAL 9011
-  branco, white, blanc
RAL 9003
-  alumínio, aluminum, aluminium
RAL 9006
-  antracite, anthracite, anthracite
RAL 7016



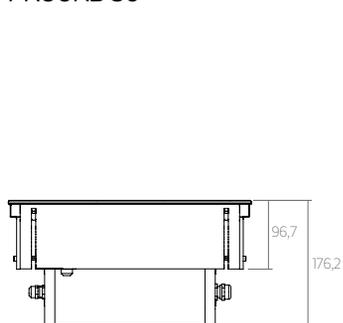
versões versions versions

	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée
PROURB LED 30	230V 50Hz	3000K 4000K 5000K	3767lm 4530lm 4640lm	70	71,1lm/W 85,5lm/W 87,6lm/W	53 W

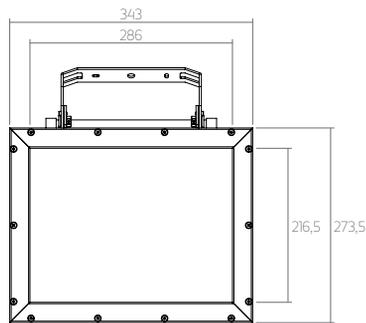
Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)



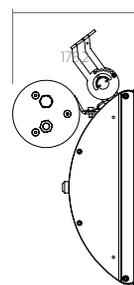
PROURB 30



Vista lateral
Side view
Vue latérale



Vista frontal
Front view
Vue de face



Vista superior
Top view
Vue d'en haut

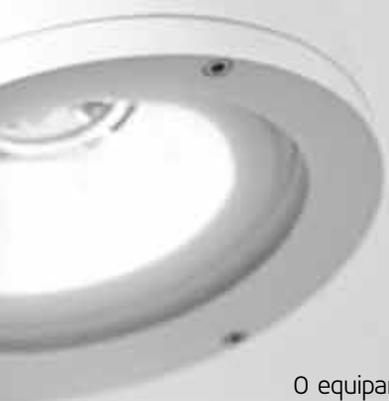
	peso weight poids
PROURB LED 30	8 kg

medidas em mm | dimensions in mm | dimensions en mm

detalhes details détails



TOP 3 LED



O equipamento TOP 3 foi desenhado para possibilitar uma boa iluminação nas fachadas dos hotéis, podendo ser aplicado em variados locais, tanto no exterior como no interior, devido ao seu elevado índice de protecção.

The TOP 3 equipment was designed to enable a good lighting on facades of the hotels, and can be applied in various locations, both outside and inside, due to its high protection.

L'équipement TOP 3 a été conçu pour permettre un bon éclairage sur les façades des hôtels et peut être appliquée à différents endroits, tant à l'extérieur et à l'intérieur, en raison de sa haute protection.

Montagem saliente.
Iluminação direta e indireta.
Corpo e aro perfil de alumínio termolacada à cor.
Equipamento de alimentação incorporado.
Diferentes temperaturas de cor disponíveis.
Disponíveis diferentes tipos de lâmpadas..

Surface mounting.
Direct and indirect lighting.
Profile aluminium body and rim termolacquered to color finish.
Built-in control gear.
Available different color temperatures.
Available different lamps types.

Montage saillant.
Éclairage direct et indirect.
Corps en aluminium thermolaqué de couleur à partir du nuancier d'Exporlux.
Équipement incorporé.
Disponibles différentes températures de couleurs.
Disponibles différentes types de lampes.

	preto, black, noir RAL 9011
	branco, white, blanc RAL 9003
	aluminio, aluminum, aluminium RAL 9006
	antracite, anthracite, anthracite RAL 7016

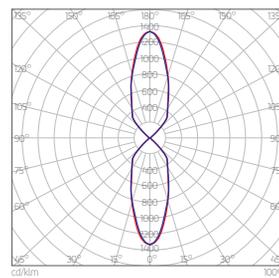


TOP 3 LED

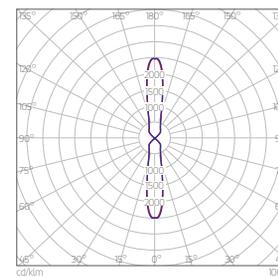
versões versions versions

	lâmpada lamp lampe	alimentação supply alimentation	temperatura de cor color temperature température couleur	fluxo luminoso luminous flux flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée	ângulo abertura beam angle angle d'ouverture
1x	QR111 LED LB	230V AC 50Hz	3000K 4000K 5000K	2776lm 2972lm 3010lm	>80	66lm/W 70lm/W 71lm/W	42 W	44° / 15°
			2700K 3000K	2156lm 2232lm	>90	51lm/W 53lm/W		

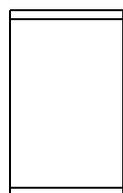
Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)



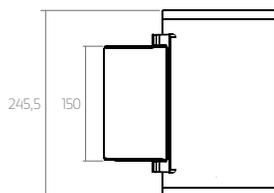
QR111 LED 44°



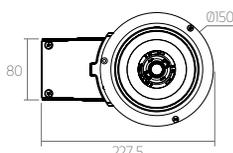
QR111 LED 16°



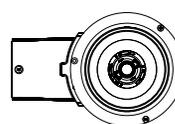
Vista lateral
Side view
Vue latérale



Vista frontal
Front view
Vue de face



Vista superior
Top view
Vue d'en haut



Vista inferior
Bottom view
Vue de dessous

peso
weight
poids

TOP 3 LED

4,5 kg

medidas em mm | dimensions in mm | dimensions en mm

opcionais/acessórios optional/accessories optionnel/accessoires



reflector
reflector
reflecteur 44°



reflector
reflector
reflecteur 16°



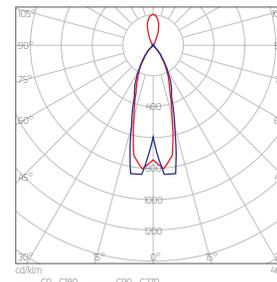
TOP 3 LED C_RASGO



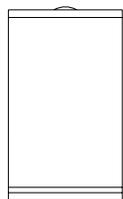
versões versions versions

	lâmpada lamp lampe	alimentação supply alimentation	temperatura de cor color temperature temperatura couleur	potência entrada input power puissance d'entrée
1x	 HIT-TC	230V AC 50Hz	3000K	35 W
	 QT-DE12			48 W

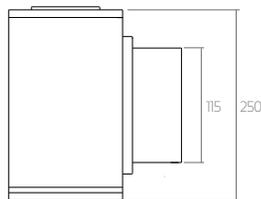
Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)



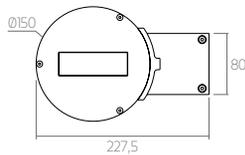
TOP 3 C_RASGO 36°



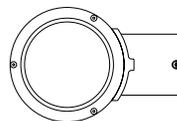
Vista lateral
Side view
Vue latérale



Vista frontal
Front view
Vue de face



Vista superior
Top view
Vue d'en haut



Vista inferior
Bottom view
Vue de dessous

peso
weight
poids

TOP 3 LED C_RASGO 5 kg

medidas em mm | dimensions in mm | dimensions en mm

detalhes details détails

opcionais/acessórios optional/accessories optionnel/accessoires



reflector
reflector
reflecteur 60°



reflector
reflector
reflecteur 36°



reflector
reflector
reflecteur 24°



reflector
reflector
reflecteur 12°

WALKWAY TREE

CE 230 V AC 50Hz IP67 IK10 →

A gama WALKWAY TREE foi desenvolvida a partir do conceito de uma árvore. Existe na forma de um ramo ou num conjunto de ramos, combinados com diferentes ângulos e tamanhos. Com um desenho cuidado e atractivo, cada candeeiro tem um uso distinto, enquadrando-se perfeitamente em qualquer ambiente.

The WALKWAY TREE range has been developed from the concept of a tree. Exist in the form of one or more branches, combining different angles and sizes. With a careful and attractive design, each device has a different use, fitting perfectly into any environment.

Le gamme WALKWAY TREE a été développé à partir de le concept d'un arbre. Existe la forme d'une branche ou un groupe de branches. Combiné avec différents angles et tailles. Avec une dessin soignée et attrayante, chaque appareil a une utilisation distincte, qui s'intègre parfaitement dans n'importe quel environnement.

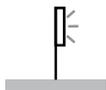
Iluminação direta.
Estrutura e base em aço termolacado à cor.
Difusor em policarbonato transparente ou opalino.
Diferentes temperaturas de cor disponíveis.
Elevado índice de restituição cromática (Ra >80).

Direct lighting.
Thermo-laquered colored steel structure and base.
Opal or transparente polycarbonate diffuser.
Available different color temperatures.
High chromatic restitution index (Ra>80).

Éclairage direct.
Structure et base en acier thermolaqué coloré.
Diffuseur en polycarbonate opale ou transparent.
Températures de couleurs différentes sont disponibles.
Indice de restitution chromatique élevé (Ra>80).

	preto, black, noir RAL 9011
	branco, white, blanc RAL 9003
	aluminio, aluminum, aluminium RAL 9006
	antracite, anthracite, anthracite RAL 7016

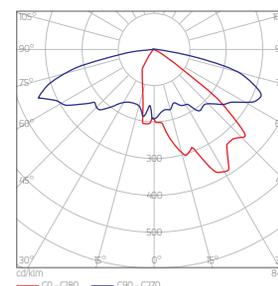
WALKWAY TREE



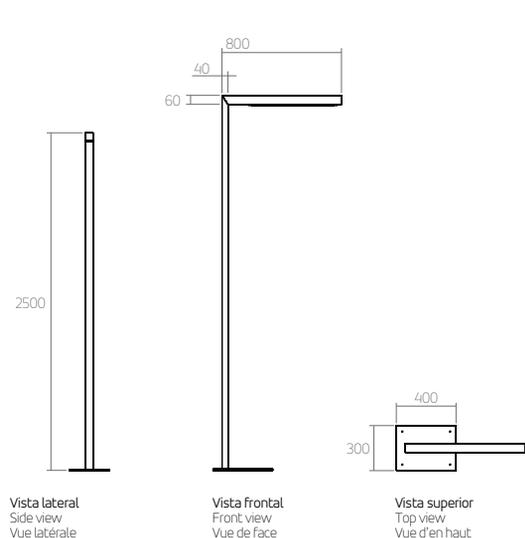
versões versions versions

	alimentação supply alimentation	temperatura de cor color temperature temperature couleur	fluxo luminoso luminous fluxe flux lumineux	IRC CRI IRC	eficácia sistema (*) system efficacy efficacité système	potência entrada input power puissance d'entrée
1x WALWAY TREE 20	230V 50Hz	3000K 4000K 5000K	1084lm 1335lm 1351lm	80 70 70	49lm/W 60,7lm/W 61lm/W	22 W
2x WALWAY TREE 20	230V 50Hz	3000K 4000K 5000K	2168lm 2670lm 2702lm	80 70 70	49lm/W 60,7lm/W 61lm/W	44 W
4x WALWAY TREE 20	230V 50Hz	3000K 4000K 5000K	4336lm 5340lm 5404lm	80 70 70	49lm/W 60,7lm/W 61lm/W	88 W

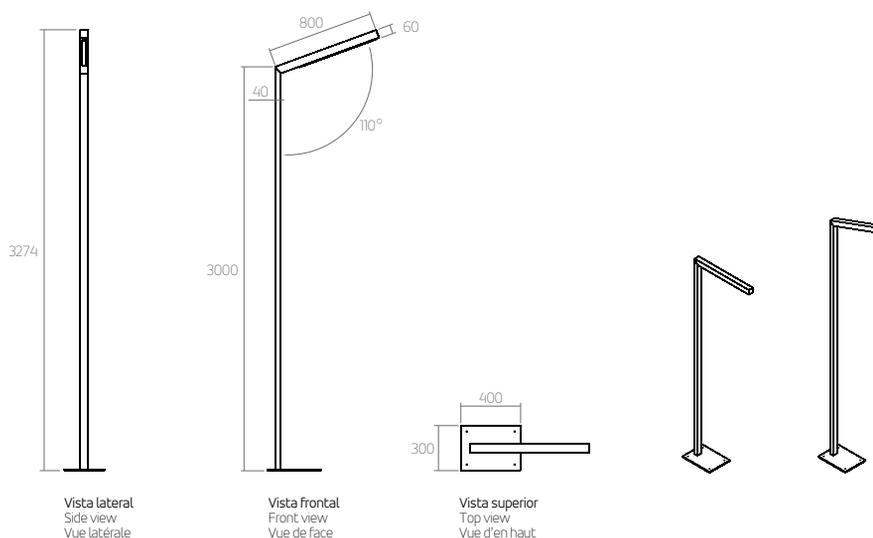
Nota: Valores nominais à temperatura ambiente (Ta = 25°) | Note: Nominal values at room temperature (Ta = 25°) | Remarque: Valeurs nominales à la température ambiante (Ta = 25°)
 (*) Sistema normal (sem controlo) | Normal system (without control) | Système normal (sans contrôle)



1x WALKWAY TREE



ANGULAR



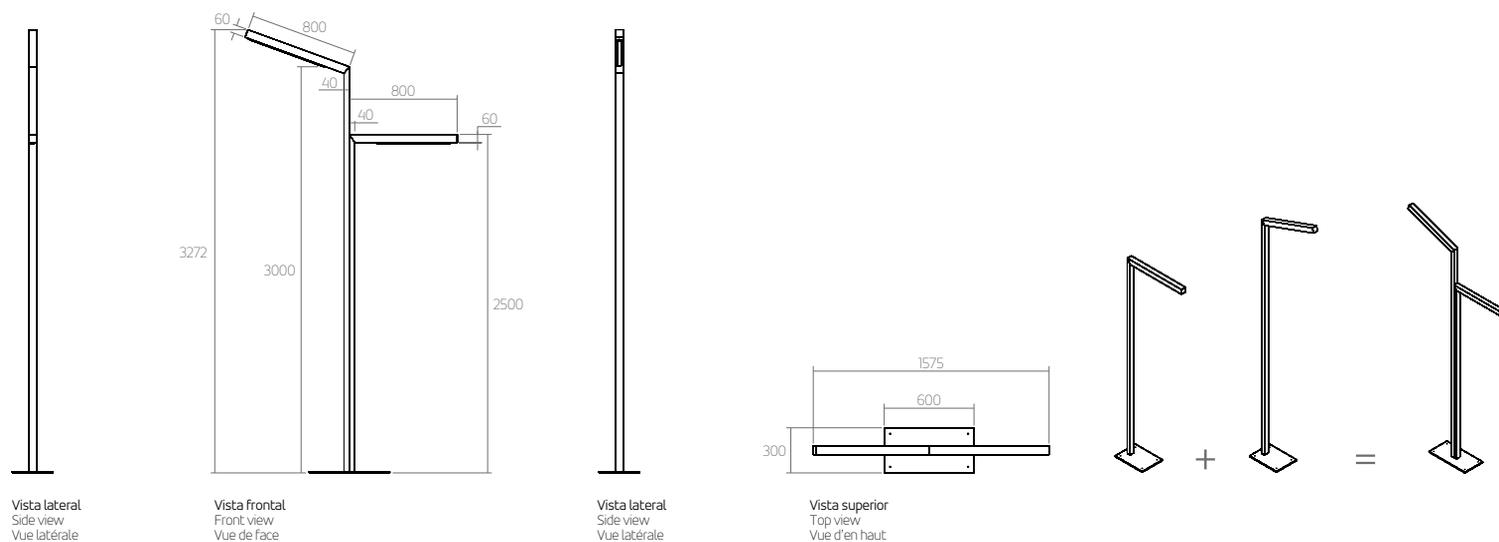
detalhes details détails



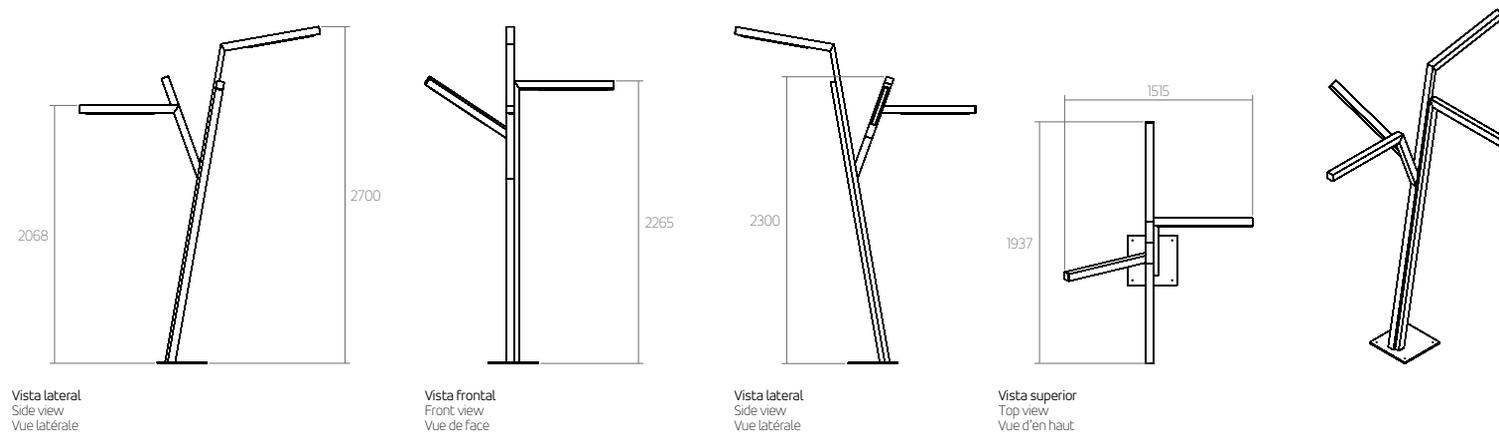
	peso weight poids
1x WALKWAY TREE	19 kg
2x WALKWAY TREE	32 kg
4x WALKWAY TREE	36 kg

medidas em mm | dimensions in mm | dimensions en mm

2x WALKWAY TREE



4x WALKWAY TREE



Projetos de iluminação
Lighting projects
Projets d'éclairage

exporlux

**O epílogo
dos séniores**

**Epilogue,
reminding of the “oldies”**

**Epilogue,
la crème de la crème des sages**



2



Produto em destaque
1GT Line
2 Médio piso





Forte Vila Praia de Âncora

Médio Piso

Igreja Santa Casa da Misericórdia Viana do Castelo >

Miniatrix
Orfeu





3

2

Produto em destaque
1 Belavista (personalizado)
2 Minipiso
3 Interpiso; Ledex





2

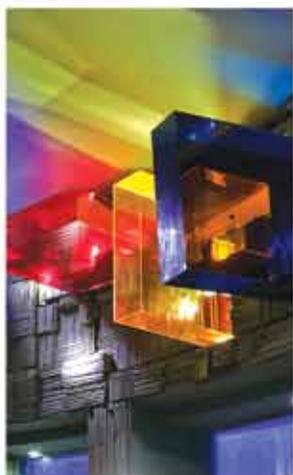


1

Hotel da Oliveira - Guimarães

Produto em destaque
10rfeu
2 Star S





1



3



2

Bar - Baixa do Porto

Produto em destaque
1 Régua LED
2 Orfeu
3 Rodepi



Restaurante - Porto

Produto em destaque
Linha Shis (personalizado)
Orfeu
Metric LED



4



3



2

Produto em destaque
1 Iris
2 Médio Piso
1, 3, 4 Canhão de luz LED (personalizado)



Habitação unifamiliar - Águeda



3



2

Produto em destaque
1 Ritual
2 Argus
3 Interpiso



Habitação unifamiliar - Estoril







2

Produto em destaque
1 Potes de Vidro (personalizado)
2 Modelux RD



Hipermercado



Produto em destaque
Loop 2



Showroom - Alfândega Porto

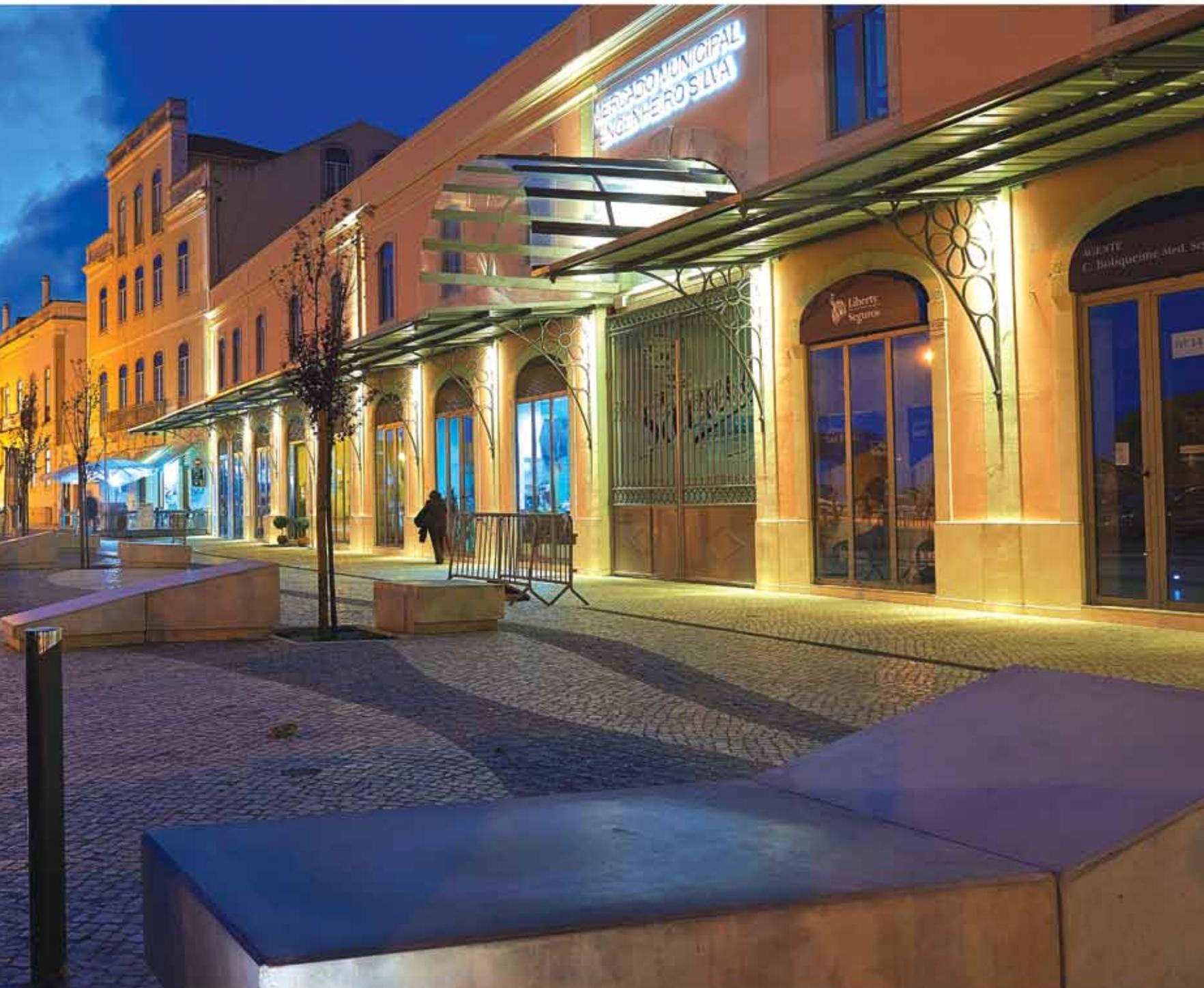




Produto em destaque
Roller



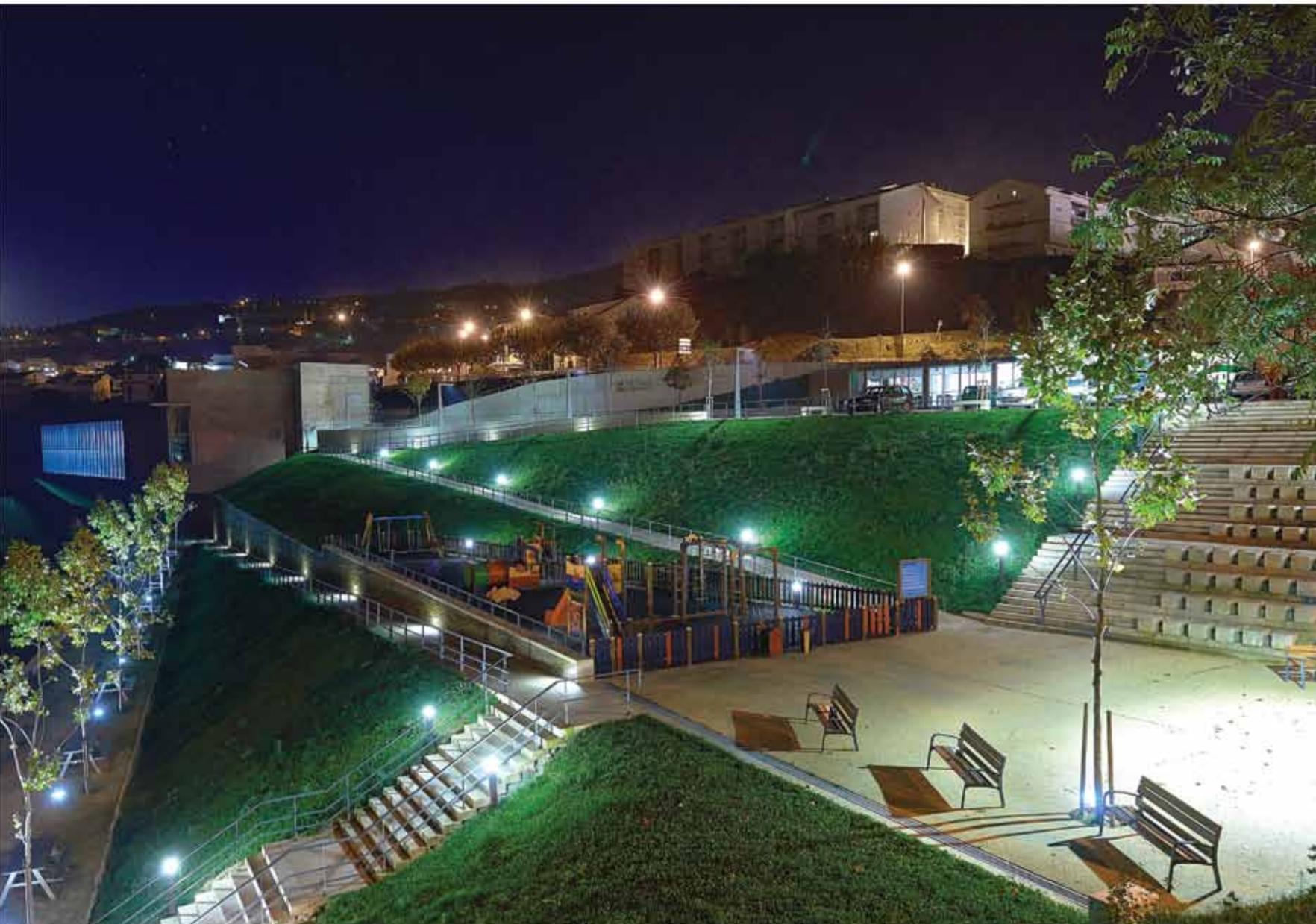
Produto em destaque
Miniatrex



Mercado Municipal - Figueira da Foz



Produto em destaque
Interpiso
Jota

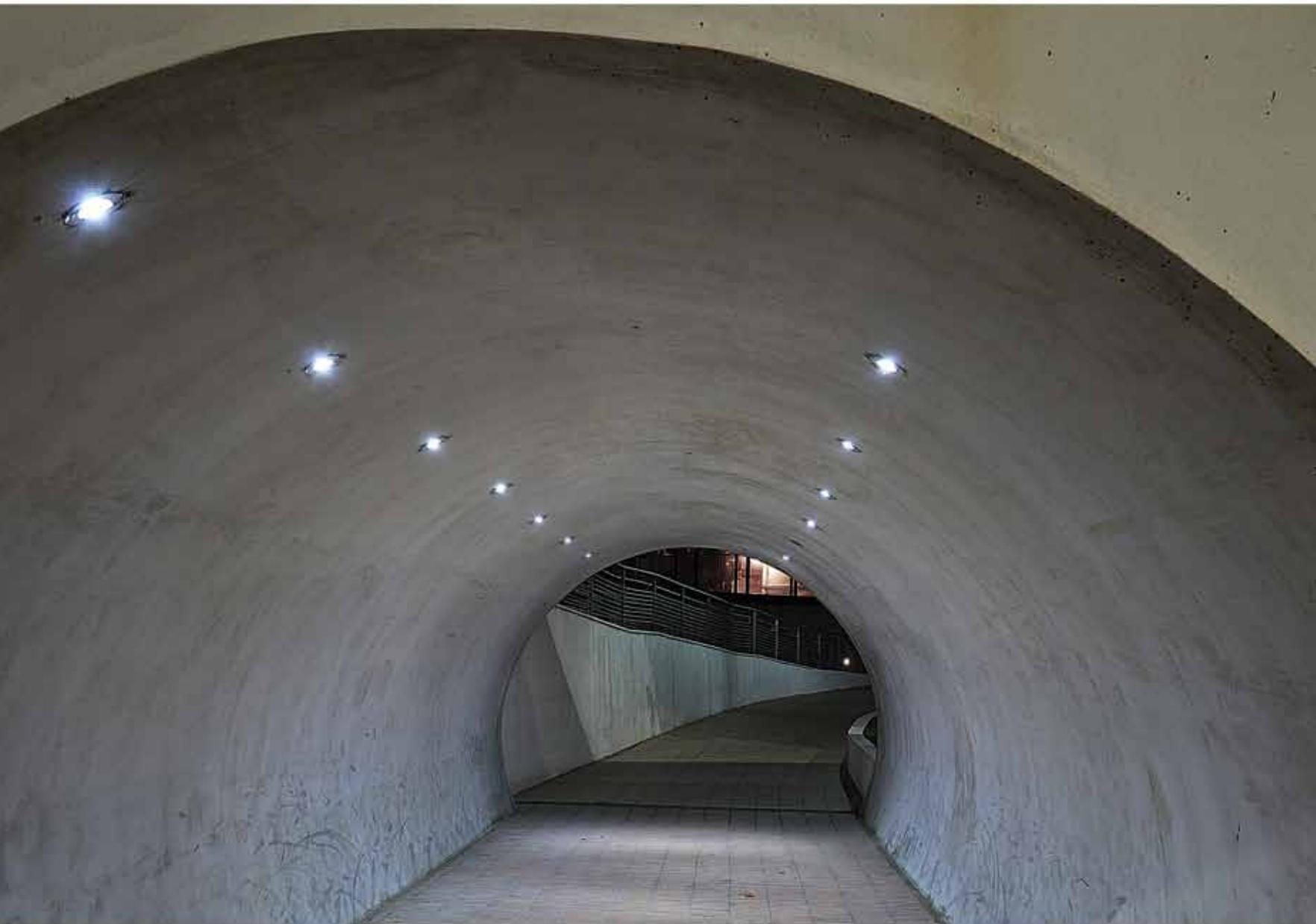


Parque urbano - Resende



Parque urbano - Penafiel

Produto em destaque
Minipiso Spot

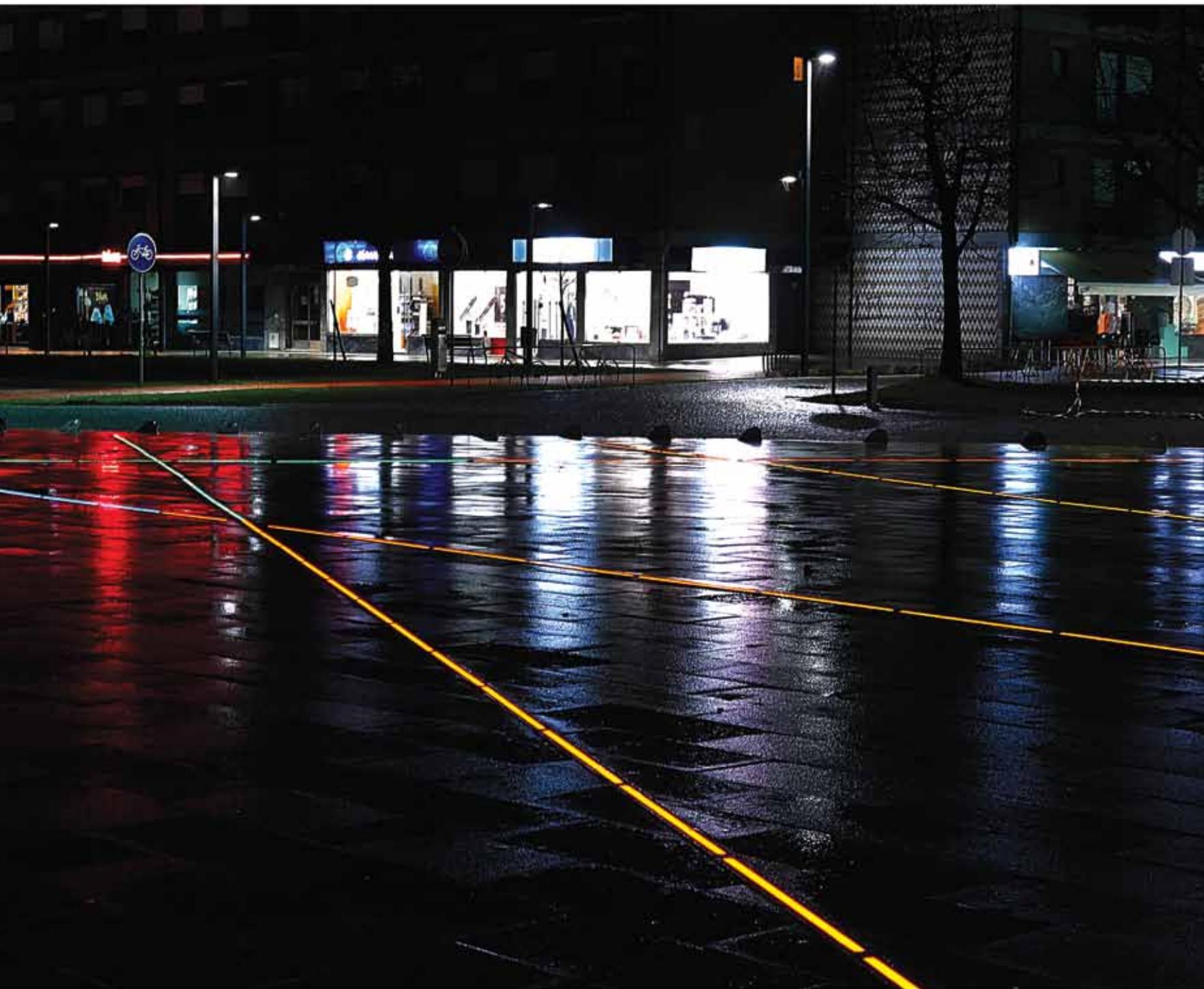


Túnel pedonal - Pombal

Produto em destaque
Minipiso



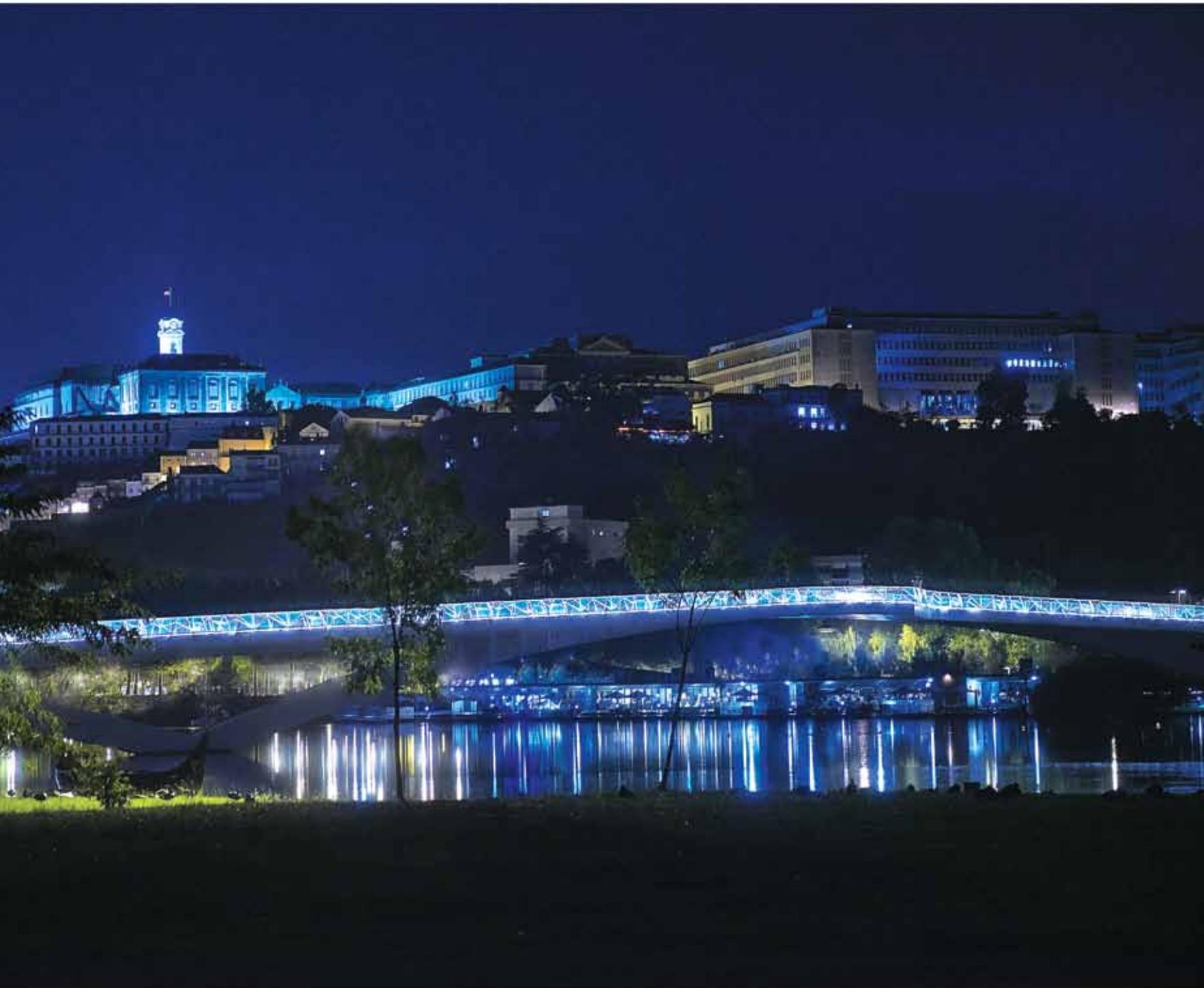
Produto em destaque
Miniatrix Piso Balizador



Parque urbano - Águeda



Produto em destaque
Tubline T5



Ponte Pedro e Inês - Coimbra

Edição
Publishing
Édition
Exporlux

Produto e desenvolvimento
Product development
Développement de produit
Exporlux

Coordenação, conceito e design gráfico
Graphic concept and design
Concept graphique
AS Design

Fotografia
Photography
Photographie
Alves da Silva

Montagem e arte final
Editing and pre-production
Édition
Paulo Cardoso

Impressão
Printing
Impression
Norprint

Tiragem
Circulation
Tirage
2000ex

Fotografias produzidas em locais equipados com produtos **Exporlux**
Photography taken on **Exporlux** equipped locations
Photographies réalisées dans ocaux équipés avec produits **Exporlux**

A **Exporlux** agradece a colaboração e disponibilidade de empresas e particulares durante a recolha de imagens
Exporlux acknowledges the assistance and courtesy of corporations and individuals during image capture
Exporlux remercie la collaboration et disponibilité des entreprises et d'autres pendant la capture d'image

Águeda, Setembro 2014

DC 01/B

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LIGHT
ON
EMOTIONS

exporlux

exporlux

APARTADO 379 COVÃO
3754-909 ÁGUEDA

TEL +351 234 639 230
FAX +351 234 639 231

exporlux@exporlux.pt
www.exporlux.pt

PORTUGAL

DC 01/B

