



# LP Circle<sup>®</sup>

A family with many options

**louis  
poulsen**



# Playing with light and details

LP Circle® is a family of luminaires, which are available in a range of different sizes and installation options. It is the obvious choice for day care centers, educational facilities and workplaces, as the lamp combines the technical requirements for general lighting purposes with pleasant and humanised lighting.

By using the Kelvin Adjustable technology, it is also possible to control the colour temperature of the light so that it follows the rhythms of natural light. In this way, LP Circle is able to optimise the conditions for human well-being indoors, and ensure ideal lighting throughout the whole day.



# Design to Shape Light

At Louis Poulsen we shape light. We strive to create an atmosphere where you feel comfortable. We shape our products because of the illumination each shape creates. Every single surface and curve exist to create precisely the right atmosphere.

The idea behind LP Circle was to create a product family, which allowed a playful expression when furnishing offices and institutions.

The voluminous trim ring is made of aluminium and angled perpendicular to the ceiling with a 5° angle on the inner side, producing an attractive graduation of the light's effect on the shade interior.



# The designer

The basic idea for LP Circle sprang from the designer's experience with OreLED, a fixture installed at Ørestad School near Copenhagen. Mikkel Beedholm, an architect at KHR arkitekter, explains:

"The aim was for the fixture to not simply slice through the ceiling like a tin can – we wanted the collar to give the fixture character and interplay with the building's architecture. The fixture would thus add an extra dimension to the interior through the collar's randomised reflection of the light."

Normally, it is not possible to choose colours for downlight fixtures, but LP Circle is an exception in this respect. Mikkel Beedholm says: "It has not happened by chance. The coloured rings help to reduce glare while highlighting the shape of the lamp. They also add a dash of colour to what are often colourless rooms, both in their lit and unlit states."

# LP Capsule from the inside out



Product type/installation	Recessed	Recessed	Semi-recessed
Size (mm)	260	450	260
Standard colours			
Standard output (lm)	1000-1400 lm	2200-2720 lm	1000-1500 lm
High output (lm)		>4000 lm	
Power consumption (Standard)	13W	25W	13W
Efficiency (Standard) @4000K	103 lm/W	108 lm/W	103lm/W
Colour temperature	3000K, 4000K	3000K, 4000K	3000K, 4000K
Colour temperature, adjustable	2700K - 5700K	2700K - 5700K	2700K - 5700K
Diffuser (Opal)	Opal	Opal	Opal
Diffuser UGR 19 (Micro prismatic)	✓	✓	✓
Dali/Switch dim	✓	✓	✓
Emergency light to be ordered separately	3 hrs/batt.	3 hrs/batt.	3 hrs/batt.



Semi-recessed	Surface mounted	Surface mounted	Suspended	Suspended
450	260	450	260	450
● ● ● ●	● ● ● ●	● ● ● ●	● ● ● ●	● ● ● ●
2200-2720 lm	1000-1400 lm	2200-2720 lm	1000-1400 lm	2200-2720 lm
> 4000 lm		> 4000 lm		> 4000 lm
25W	13W	25W	13W	25W
108 lm/W	103 lm/W	108 lm/W	103lm/W	108 lm/W
3000K, 4000K	3000K, 4000K	3000K, 4000K	3000K, 4000K	3000K, 4000K
2700K - 5700K	2700K - 5700K	2700K - 5700K	2700K - 5700K	2700K - 5700K
Opal	Opal	Opal	Opal	Opal
✓	✓	✓	✓	✓
✓	✓	✓	✓	✓
3 hrs/batt.	3 hrs/batt.	3 hrs/batt.	3 hrs/batt.	3 hrs/batt.

Please find updated info on products on our website [www.louispoulsen.com](http://www.louispoulsen.com)



## Colours

Colours lend character to a room, creating a different atmosphere and adding an extra dimension to the interior. LP Circle is therefore available in the colours yellow and petroleum, or completely simple in white and black.





# Carefully conceived in every detail

## **Easy and convenient installation**

A mounting bracket allows the fixture to be installed without the use of tools. Its ergonomically correct shape makes it simple and easy to tighten optimally.

## **Ceiling interface**

The polycarbonate ring and its dust-repellent shape ensure a precise and elegant ceiling interface.

## **Diffuser**

The diffuser has an opal finish to prevent any direct glare, yet still permits high-efficiency light penetration without significant energy loss.

The depth of the diffuser to the bottom section of the trim ring is identical on all versions, paving the way for a uniform design idiom and lighting design on the ceiling.

The diffuser bends 3mm towards the trim ring, which creates an optical effect of two separate elements.

## **Well-proportioned trim ring**

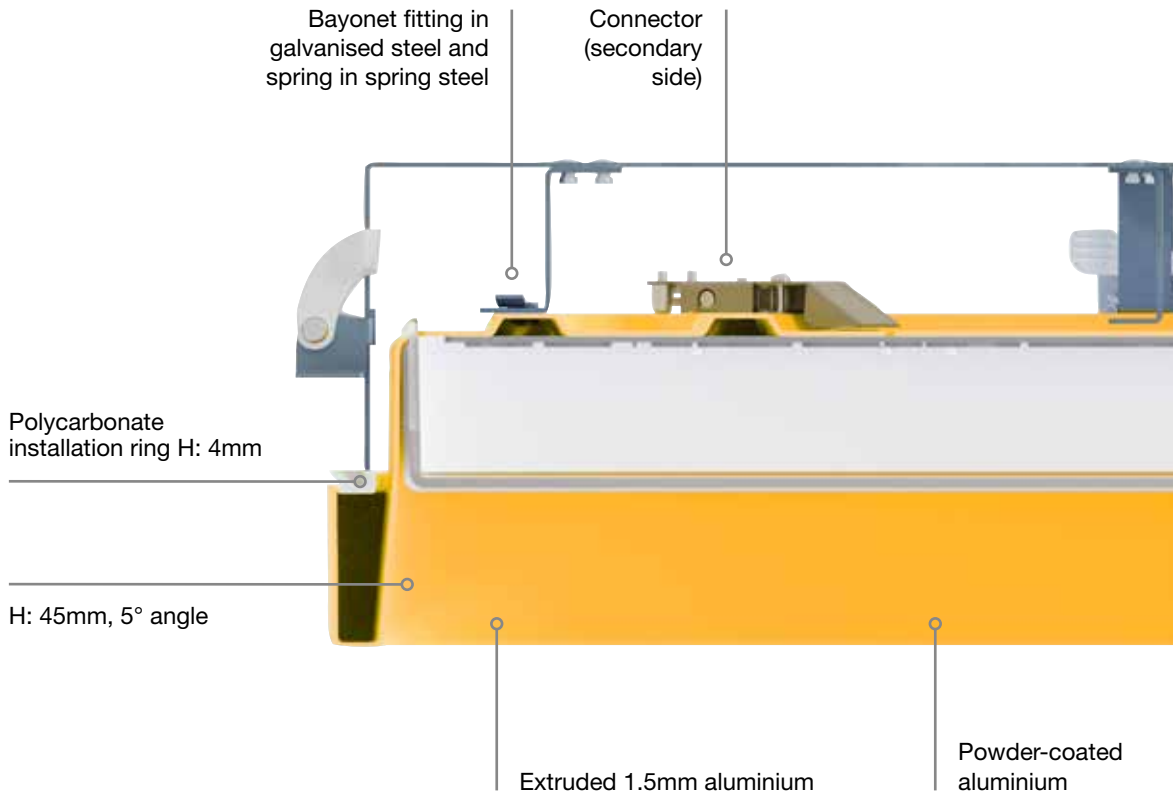
The voluminous trim ring is made of aluminium which has been bent perpendicular to the ceiling, but angles out at 5° from the diffuser to the bottom edge. This results in an attractive gradation of the light on the shade interior.

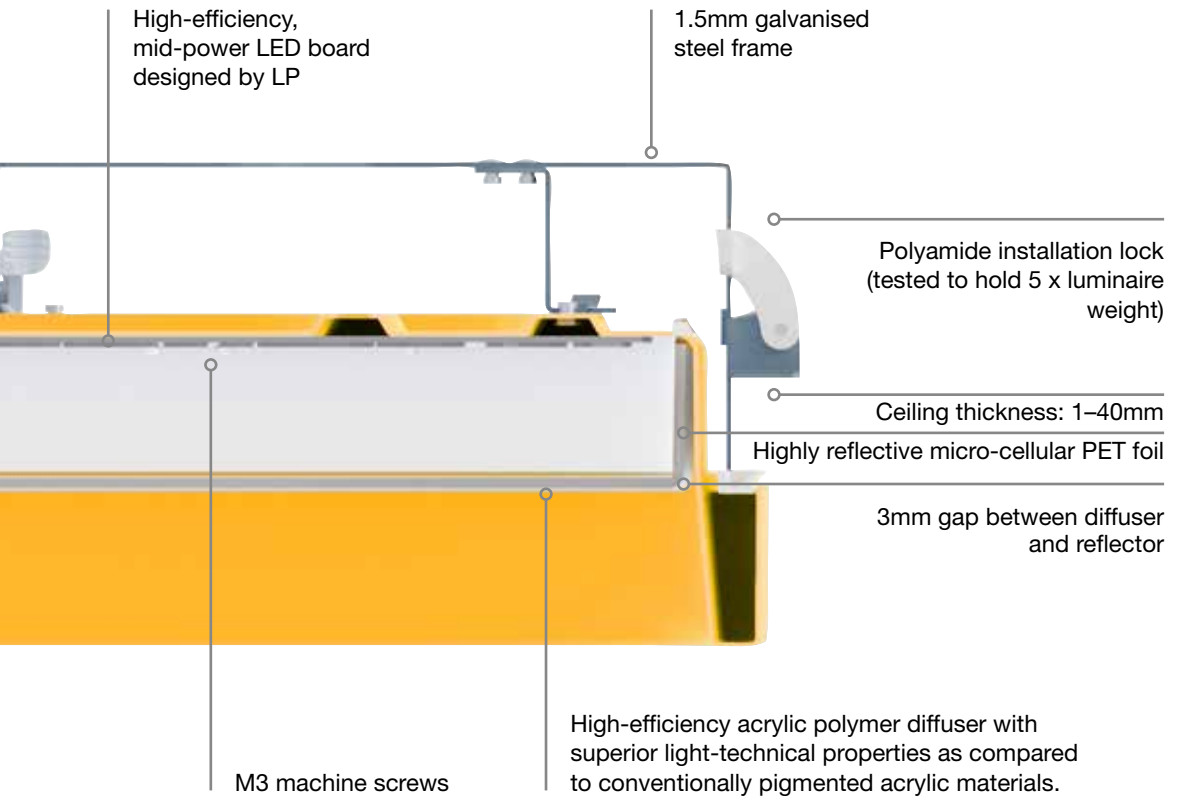


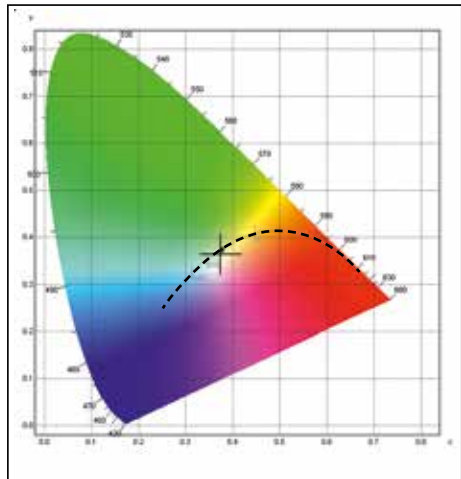
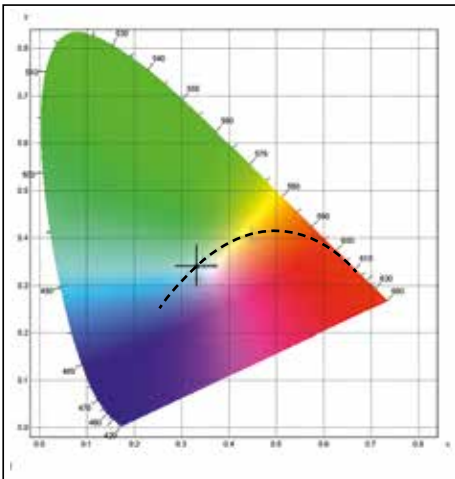
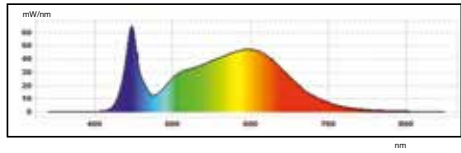
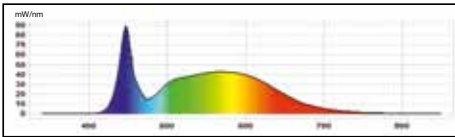
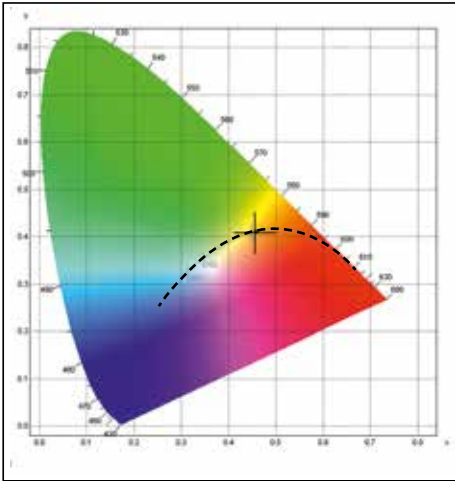
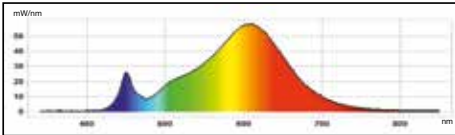


Fujimi Junior & Senior High School. A: Taisei design planners architects & engineers. P: Shinji Aratani.

# LP Circle from the inside out







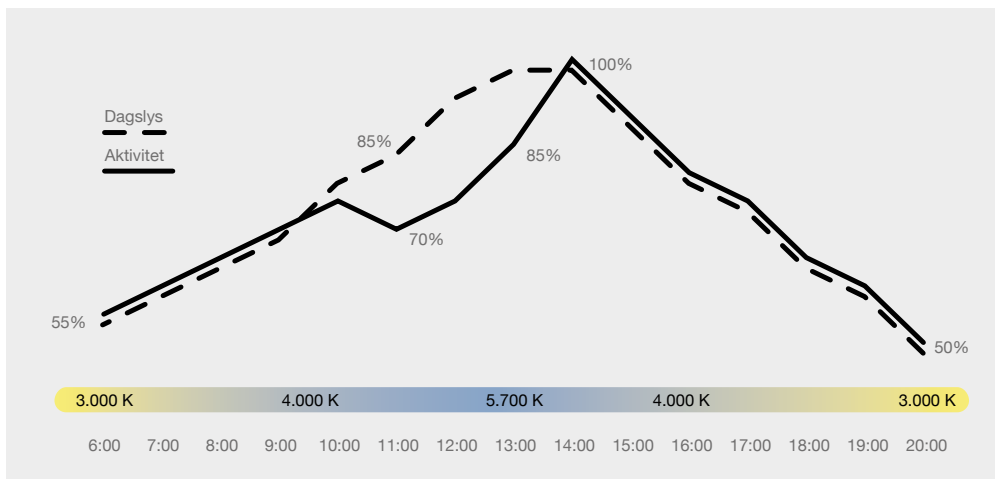
# Simulating nature's rhythm

LP Circle – Kelvin Adjustable fixtures have a colour temperature range of 2700 K to 5700 K. Therefore it is possible to create everything from warm and comfortable lighting to fresh, cold illumination.

LP Circle – Kelvin Adjustable fixtures are supplied with DALI device type 8, which has countless settings and can be operated by means of various devices. This makes it easy to create new lighting atmospheres in the office, reception or meeting room – whether you prefer a

dynamic or warm and inviting mood in the workplace.

LP Circle – Kelvin Adjustable is also supplied with a sequencer, which is pre-programmed with two light arrangements. One follows the rhythm of daylight throughout the day, while the other increases the colour temperature at critical times. The illumination can also be programmed according to individual preferences.





Dansk Metal. A: P: Kaslov Studio

# I adjust my lighting as I want it

In the past, people focused most on light intensity, and often overlooked the fact that the colour and quality of the light are also important for how you experience it. Today, the colour temperature of light is on the agenda, and we are more aware of the quality of the illumination and how it affects us. While cold daylight has a dynamic and stimulating effect, the old incandescent lamps are warm and relaxing.

Our expectations of lighting vary from room to room – a reception has to appear in a certain way, while an open-plan office has other functional requirements. We also have individual needs and personal preferences in relation to lighting. Overall, however, a varying light intensity and temperature throughout the day is what promotes the greatest sense of well-being.

Koda, Copenhagen, Denmark. P: Lisbett Wedendahl



Tved Skole, Tved, Denmark. P: Lars Kaslov





Musashino Academia Musicae, Tokyo, Japan. A: Obayashi Corporation Architects and Engineers/Atelier G&B Corporation. P: Shinji Aratani



2700K



4000K



## Intelligent lighting

LP Circle – Kelvin Adjustable comes with a DALI device type 8, which communicates with the DALI system, which makes it possible to control the colour temperature of the light. The colour temperature can be manually regulated, but it can also be programmed for individual scenarios, for example summer and winter. These can then be saved and activated with a single press of a button.

# LP Circle

**Design:** Mikkel Beedholm/KHR arkitekter

**Concept:** The fixture emits diffuse light via a high-efficiency acrylic diffuser. The diffuser, which is encircled by a voluminous coloured or white ring, is hidden when viewed from low angles. Angling the inner side of the ring 5° creates a comfortable and decorative graduation of the light from the diffuser. With two diameters and four different installation options, the lights series can be used for a wide range of applications.

**Finish:** White, Yellow, Pale Petroleum or Black. Powder coated.

**Material:** Reflector: Deep drawn aluminium. Diffuser: Acrylic, frosted. Installation lock: Polyamide.

**Mounting:** Ceiling thickness: 1–40mm. Driver is a separate unit (supplied with luminaire). Cut-out dimensions: Ø 260, Ø 248mm, Ø 450: Ø 438mm. Looping: Approved, max 5x1.5mm². For further information, visit [www.louispoulsen.com](http://www.louispoulsen.com).

**Weight:** Min: 2.2kg. Max: 5.0kg.

**Class:** Ingress protection IP20. Electric shock protection I.

## Info notes

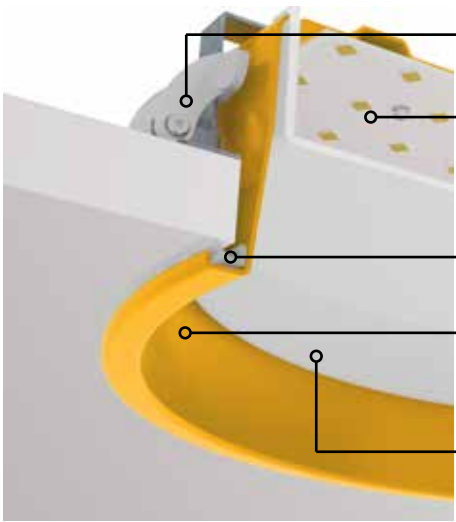
LED technology is constantly developing. The specifications given are based on existing technology. Please find updated info on products on our website [www.louispoulsen.com](http://www.louispoulsen.com). For LED replacement kit please do contact Louis Poulsen. Please contact Louis Poulsen for the following versions: LP Circle Ø 450 HO: High output for projects with high ceilings or where high illumination is required. LP Circle Ø 450 with microprismatic diffuser for UGR <19 (CIE 117). If you have special requirements concerning colour temperature, IP class, emergency lighting solutions or other modifications to the LP Circle model, please contact Louis Poulsen.

## Specification notes

A separate LED driver is supplied with the fixture. All LED power measurements are measured as system power.



DIMENSION	LIGHT SOURCE	FINISH	SHIELD/DIFFUSER	MOUNTING	LIGHTING CONTROL
Ø 260	13W LED 3000K 13W LED 4000K 16W LED KELVIN ADJ	BLK YELLOW PALE PETROLEUM WHT	OPAL	RECESSED SEMI RECESSED SURFACE MOUNTED SUSPENDED	DALI/SWITCH-DIM DIM 1-10V
Ø 450	25W LED 3000K 25W LED 4000K 26W LED KELVIN AD				DALI/SWITCH-DIM DIM 1-10V



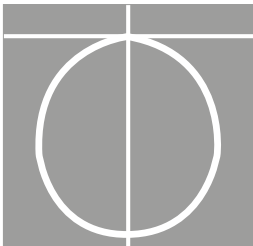
Rapid installation. Rugged lock ensures tool-free installation.

LED board with high-efficiency mid-power LEDs. Low LED temperature to ensure optimal performance

Frosted polycarbonate installation ring. The profile angle covers the cut-out hole and ensures easy cleaning.

The reflector is extruded 1.5mm aluminium in one piece. 5° angle on inner side ensures a balanced graduation of the light.

High-efficiency acrylic diffuser. Ensures completely uniform luminance and high transparency.



LP Circle White	Ø 260	Ø 450
System power	16	30
Lumen pack. 4000K	1450	2775
Lm/W	91	92
Ra value	>80	>80
MacAdam	3	3
Dim	Dali/Switch-dim	Dali/Switch-dim

See the website for the latest light source data

## Key Features

- High energy efficiency
- Diffuse, pleasant light distribution
- Acrylic diffuser eliminates 'LED spots'
- Two sizes provide great flexibility
- Colours and installation options allow creative freedom
- Minimalistic design
- Great architectural versatility
- Tool-free installation
- Ideal for repetitive installations
- Offers great flexibility where uniform lighting is desired
- Belongs to a family of fixtures

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