

## PL-CP-Z3 -6000 740

PrevaLED Compact Z3 | LED modules for street lighting



### Product family features

- Asymmetric lambertian light distribution
- High module efficacy: up to 150 lm/W
- Overtemperature protection (when operated with OT LED power supply with LEDset)
- Dimmable to 20 % of nominal output power
- Very long lifetime (L80 B10): up to 100,000 h (temperature at  $T_c = 80\text{ }^\circ\text{C}$ )

### Product family benefits

- Extremely compact high-performance module
- Suitable for various areas of application thanks to high luminous efficacy
- Easy electrical connection thanks to standard connectors
- Future-proof dimensions for reliable designs
- 5 year guarantee

### Areas of application

- Suitable for outdoor applications in luminaires with IP > 54
- Outdoor: street lighting and wall washing
- Area lighting
- Areas with high ceilings



# Product datasheet

## Technical data

### Electrical data

Nominal voltage	90.0 V
Nominal current	0.53 A
Type of current	DC
On-mode power	42.3 W
Energy consumption in on-mode	42.3 kWh/1000h

### Photometrical data

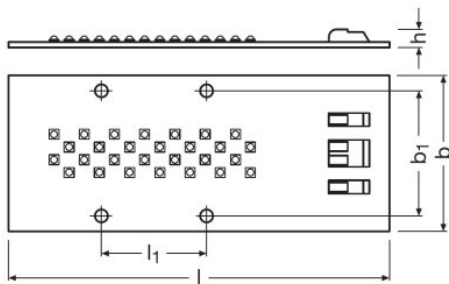
Luminous efficacy	140 lm/W <sup>1)</sup>
Color rendering index Ra	70
Correlated color temperature CCT	4000 K
Colour consistency (McAdam ellipses)	5
Useful luminous flux ( $\Phi_{use}$ )	7260 lm

<sup>1)</sup> At module level

### Light technical data

Starting time	0.1 s
Warm-up time (60 %)	1.00 s

### Dimensions & weight



Product weight	24.20 g
Height	6 mm
Length	110 mm
Width	46 mm

### Temperatures & operating conditions

Temperature range in operation at Tc point	-40...80 °C
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## Product datasheet

Ambient temperature range	-40...+80 °C
Maximum temperature at tc test point	90 °C
Temperature range at storage	-40...80 °C

### Lifespan

Number of switching cycles	35000
Lumen maintenance factor LMF	96
L70B50 lifetime	100000 h

### Additional product data

Lighting technology used	LED
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### Certificates & standards

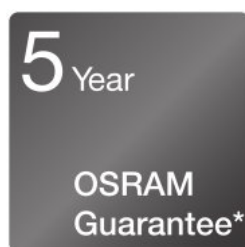
Type of protection	IP54
Energy efficiency class	D

### Logistical data

Commodity code	853951000000
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### Environmental information

<b>Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)</b>	
Date of Declaration	19-01-2022
Primary Article Identifier	4052899299498
Declaration No. in SCIP database	In work



484525\_5 Year Osram Guarante  
(GB)

## Product datasheet

### Equipment / Accessories

- System matches to OPTOTRONIC outdoor control gears

### Additional product information

- Installation of LED modules (with power supplies) needs to be made under consideration of all valid regulations and norms.
- Installation by qualified electrician only.
- Please see the relevant application guides and instructions sheets for more detailed safety and mounting information. Additional information is available on request.
- The module / light engine has to be mounted to a proper heat sink in order to ensure that the maximum rated temperature at the  $T_c$  point will not be exceeded.
- Complies with IEC/EN 62031
- Complies with IEC/EN 61547
- Complies with IEC/EN 61000-3-2
- Complies with EN 55015, CISPR 15
- Do not look directly or with optical aids into the light source (complies with IEC/EN 62471, risk group RG II).
- In order to operate OSRAM LED modules safely, it is absolutely necessary to operate them with an electronically stabilized power supply that protects against short circuits, overload and overheating.
- Conducting paths on the circuit board must not be damaged or destroyed during installation.
- The clearance and creepage distances are designed for working voltages of up to 350 V DC (according to EN 62031/EN 60598).
- The LED module itself and all its components must not be stressed mechanically.
- The module, as manufactured, has no inherent protection against corrosion. It is the user's responsibility to provide suitable protection against corrosive agents, such as moisture, condensation and other harmful elements.

### Ecodesign regulation information:

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899299498	PL-CP-Z3 -6000 740	Shipping carton box 20	260 mm x 226 mm x 87 mm	5.11 dm <sup>3</sup>	1180.00 g

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

### References / Links

For more information on the multi-level guarantee and the terms and conditions of the guarantee visit

## Product datasheet

▶ [www.osram.com/system-guarantee](http://www.osram.com/system-guarantee)

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### Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.