

PL-BRICK MP 5000 830 16X4

PrevaLED BRICK MP | LED modules for industry and outdoor applications



Product family features

- Module efficacy: up to 188 lm/W
- Average lifetime (L70 B50): 100,000 h (temperature up to $T_c = 75\text{ °C}$)
- Luminous flux: up to 5,470 lm
- Available with color temperature: 3,000 K, 4,000 K, 5,000 K
- High initial color consistency: ≤ 3 SDCM
- CE marked, ENEC certified
- Type of protection (modules): IP20

Product family benefits

- Compact high-performance module for high-bay and area lighting
- Up to 188 lm/W module efficiency for demanding lighting solutions
- Dimensions aligned with Zhaga book 15
- Compatible with third party optics, e.g. from LEDIL
- NTC for on-module temperature observation

Areas of application

- Industry
- Highbay lighting
- Accent lighting
- Outdoor application



Technical data

Electrical data

Nominal current	0.7 A
Type of current	DC
Nominal voltage	45.0 V
On-mode power	31.5 W
Energy consumption in on-mode	31.5 kWh/1000h

Photometrical data

Luminous efficacy	181 lm/W
Color rendering index Ra	>80
Correlated color temperature CCT	3000 K
Colour consistency (McAdam ellipses)	5
Useful luminous flux (Φ_{use})	5274 lm
Light color LED	White

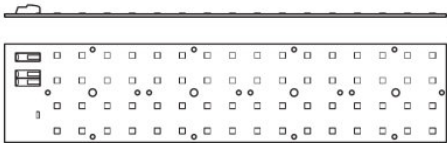
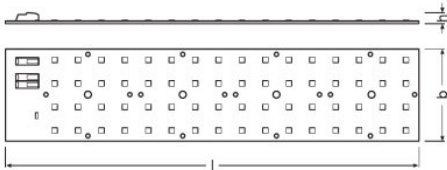
Light technical data

Beam angle	0 °
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LED module information

Number of LEDs per module	64
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Dimensions & weight



Product weight	50.00 g
Height	6 mm
Length	223.5 mm
Width	49.5 mm

Temperatures & operating conditions

Temperature range at storage	-30...85 °C
Maximum temperature at tc test point	90 °C
Ambient temperature range	-30...+70 °C
Performance temp. acc. to IEC 62717	55 °C

Lifespan

Number of switching cycles	100000
Lumen maintenance factor LMF	96
L70B50 lifetime	50000 h

Additional product data

Lighting technology used	LED
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Capabilities

Dimmable	Yes
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Certificates & standards

Type of protection	IP20
Standards	CE/ENEC
Energy efficiency class	D

Logistical data

Commodity code	85395100000
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Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	07-05-2023
Primary Article Identifier	4052899620674
Candidate List Substance 1	No declarable substances contained
Declaration No. in SCIP database	No declarable substances contained

Product datasheet

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
4052899620674	PL-BRICK MP 5000 830 16X4	Shipping carton box 120	485 mm x 350 mm x 160 mm	27.16 dm ³	6706.00 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.

Disclaimer

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