Product datasheet

# 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 °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


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## 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 (Φuse)** | 5274 lm |
| **Light color LED** | White |

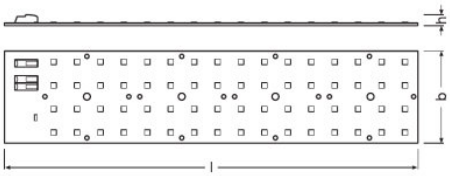
### Light technical data

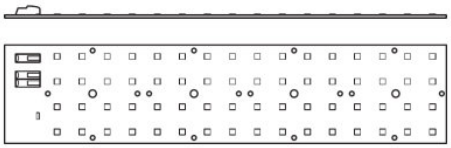
| | |
|---|---|
| **Beam angle** | 0 ° |

### LED module information

| | |
|---|---|
| **Number of LEDs per module** | 64 |

### Dimensions & weight





| | |
|---|---|
| **Product weight** | 50.00 g |
| **Height** | 6 mm |
| **Length** | 223.5 mm |
| **Width** | 49.5 mm |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## 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 |

## Capabilities

| | |
|---|---|
| **Dimmable** | Yes |

## Certificates & standards

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

## Logistical data

| | |
|---|---|
| **Commodity code** | 85395100000 |

## 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 |


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## 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.

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