

## PL-BRICK HP 1900 840 2X4

PrevaLED BRICK HP | LED modules for industry and outdoor applications



### Product family features

- Module efficacy: up to 186 lm/W
- Average lifetime (L80 B10): up to 100,000 h (temperature up to  $T_c = 85^\circ\text{C}$ )
- Available with color temperature: 2,200 K, 2,700 K, 3,000 K, 4,000 K, 5,700 K and 6,500 K
- Available with CRI > 70 and CRI > 80
- Initial color consistency:  $\leq 5$  SDCM
- CE marked, ENEC certified
- Type of protection: IP20

### Product family benefits

- High-performance module for outdoor and street lighting
- Dimensions aligned with Zhaga book 15
- Compatible with third party optics, e.g. from LEDIL
- Up to 176 lm/W module efficiency for demanding lighting solutions
- NTC for on-module temperature observation

### Areas of application

- Outdoor application
- Street lighting
- Industry
- Highbay lighting
- Area lighting



Technical data

Electrical data

|                               |                |
|-------------------------------|----------------|
| Nominal current               | 0.7 A          |
| Type of current               | DC             |
| Nominal voltage               | 22.5 V         |
| On-mode power                 | 16.00 W        |
| Energy consumption in on-mode | 16.0 kWh/1000h |

Photometrical data

|                                       |          |
|---------------------------------------|----------|
| Luminous efficacy                     | 156 lm/W |
| Color rendering index Ra              | 80       |
| Correlated color temperature CCT      | 4000 K   |
| Colour consistency (McAdam ellipses)  | 5        |
| Useful luminous flux ( $\Phi_{use}$ ) | 2388 lm  |
| Light color LED                       | White    |

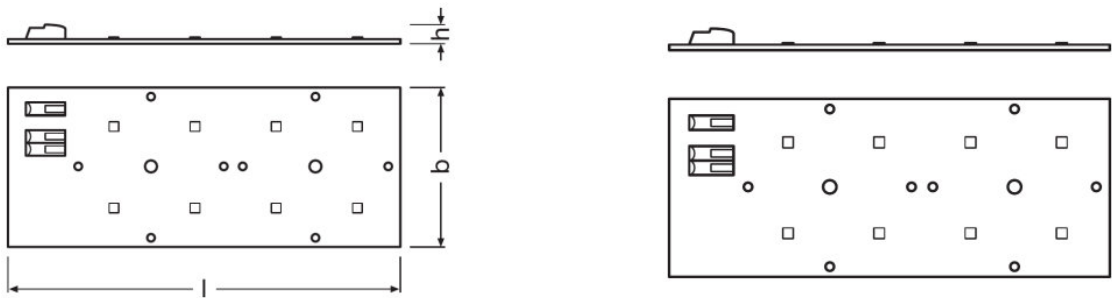
Light technical data

|                     |          |
|---------------------|----------|
| Beam angle          | 120 °    |
| Starting time       | < 0.1 s  |
| Warm-up time (60 %) | < 2.00 s |

LED module information

|                           |   |
|---------------------------|---|
| Number of LEDs per module | 8 |
|---------------------------|---|

Dimensions & weight



|                |          |
|----------------|----------|
| Product weight | 27.00 g  |
| Height         | 8.0 mm   |
| Length         | 121.0 mm |

Product datasheet

|       |         |
|-------|---------|
| Width | 50.0 mm |
|-------|---------|

Temperatures & operating conditions

|                                      |              |
|--------------------------------------|--------------|
| Temperature range at storage         | -30...85 °C  |
| Maximum temperature at tc test point | 85 °C        |
| Ambient temperature range            | -40...+70 °C |
| Performance temp. acc. to IEC 62717  | 55 °C        |

Lifespan

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

Additional product data

|                          |     |
|--------------------------|-----|
| Lighting technology used | LED |
|--------------------------|-----|

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                                                   | 07-11-2022                         |
| Primary Article Identifier                                            | 4052899597259                      |
| Candidate List Substance 1                                            | No declarable substances contained |
| Declaration No. in SCIP database                                      | No declarable substances contained |

Download Data

| File                                                                                |                                                                |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------|
|  | Certificates<br>PL BRICK BA BAR CLE VDE ENEC 40045382 210723   |
|  | Declarations of conformity<br>PL BRICK DA HP CE 3637355 190623 |

Product datasheet

|                                                                                   |                                                    |
|-----------------------------------------------------------------------------------|----------------------------------------------------|
|  | CAD data<br>PL BRICK HP 1900 CAD STEP 300622       |
|  | CAD data<br>PL BRICK HP 1900 CAD DWG 300622        |
|  | CAD Data 2-dim<br>PL BRICK HP 1900 CAD 2DIM 300622 |
|  | CAD data 3-dim<br>PL BRICK HP 1900 CAD 3DIM 300622 |

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 |
|---------------|--------------------------|------------------------------|--------------------------------------|-----------------------|--------------|
| 4052899597259 | PL-BRICK HP 1900 840 2X4 | Shipping carton box 120      | 350 mm x 280 mm x 157 mm             | 15.39 dm <sup>3</sup> | 3686.00 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.