

PL-BRICK HP 2850-740 2X6 IP G2

PrevaLED BRICK HP IP G2 | LED modules for industry and outdoor applications



Product family features

- Module efficacy: up to 191 lm/W
- Available with color temperature: 2,200 K, 2,700 K, 3,000 K and 4000 K
- Color rendering index R_a : > 70
- Initial color consistency: ≤ 5 SDCM
- Average lifetime (L80 B10): up to 100,000 h (temperature up to $T_c = 85^\circ\text{C}$)
- Geometry according to Zhaga Book 19
- Compatible to optics with IP solution, e.g. Ledil STRADA-IP-2x6 series

Product family benefits

- 5 years system guarantee (with OPTOTRONIC control gear)
- Available with a wide range of lengths and color rendering index
- Available in four different color temperatures
- High module efficacy: up to 191 lm/W
- Optimally paired with OPTOTRONIC constant current LED drivers
- Extra-long lifetime – 100,000 hours (L80B10)
- Consistent white light: 5 SDCM
- Dimensions aligned with Zhaga book 19



Product datasheet

Areas of application

- Area illumination for Highbay light for industry and outdoor application
- Highbay lighting
- Street and area lighting
- Outdoor application
- Street and urban lighting

Technical data

Electrical data

| | |
|-------------------------------|----------------|
| Nominal current | 0.7 A |
| Type of current | DC |
| Nominal voltage | 34.0 V |
| On-mode power | 23.80 W |
| Energy consumption in on-mode | 23.8 kWh/1000h |

Photometrical data

| | |
|--------------------------------------|----------|
| Luminous efficacy | 173 lm/W |
| Color rendering index Ra | 71 |
| Correlated color temperature CCT | 4000 K |
| Colour consistency (McAdam ellipses) | 5 |
| Useful luminous flux (Φuse) | 4050 lm |
| Light color LED | White |

Light technical data

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|---------------------|----------|
| Beam angle | 0 ° |
| Starting time | < 0.1 s |
| Warm-up time (60 %) | < 2.00 s |

LED module information

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|---------------------------|----|
| Number of LEDs per module | 12 |
|---------------------------|----|

Dimensions & weight

| | |
|----------------|----------|
| Product weight | 40.00 g |
| Height | 8.0 mm |
| Length | 146.0 mm |
| Width | 45.0 mm |

Temperatures & operating conditions

| | |
|--------------------------------------|--------------|
| Temperature range at storage | -30...85 °C |
| Maximum temperature at tc test point | 85 °C |
| Ambient temperature range | -20...+70 °C |
| Performance temp. acc. to IEC 62717 | 55 °C |

Lifespan

| | |
|----------------------------|--------|
| Number of switching cycles | 100000 |
|----------------------------|--------|

Product datasheet

| | |
|------------------------------|----------|
| Lumen maintenance factor LMF | 96 |
| L70B50 lifetime | 100000 h |

Additional product data

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

Capabilities

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

Certificates & standards

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



Logistical data

| | |
|----------------|-------------|
| Commodity code | 85414100000 |
|----------------|-------------|

Environmental information

| | |
|---|------------------------------------|
| Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) | |
| Date of Declaration | 03-08-2023 |
| Primary Article Identifier | 4062172168533 |
| Candidate List Substance 1 | No declarable substances contained |
| Declaration No. in SCIP database | No declarable substances contained |

Download Data

| File | |
|---|--|
|  | Certificates PL BRICK BA BAR CLE VDE ENEC 40045382 210723 |
|  | Declarations of conformity PL BRICK HP 2850 2x6 IP G2 CE 4231253 280720 |

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 |
|---------------|-----------------------------------|------------------------------|--------------------------------------|-----------------------|--------------|
| 4062172168533 | PL-BRICK HP 2850-740 2X6 IP G2 | Shipping carton box 120 | 350 mm x 330 mm x 157 mm | 18.13 dm ³ | 5320.00 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 <https://www.inventronics-light.com/multilevel-guarantees>

Disclaimer

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