

PL-BRICK HP-Z2 3800 727 2X8

PrevaLED BRICK HP Z2 | 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 and 4000 K
- Available with CRI > 70 and CRI > 80
- Initial color consistency: ≤ 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 | 07 A |
| Type of current | DC |
| Nominal voltage | 450 V |
| On-mode power | 32.10 W |
| Energy consumption in on-mode | 32.1 kWh/1000h |

Photometrical data

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|--------------------------------------|----------|
| Luminous efficacy | 148 lm/W |
| Color rendering index Ra | 70 |
| Correlated color temperature CCT | 2700 K |
| Colour consistency (McAdam ellipses) | 5 |
| Useful luminous flux (Φuse) | 4699 lm |
| Light color LED | White |

Light technical data

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|---------------------|---------|
| Beam angle | 0 ° |
| Starting time | < 01 s |
| Warm-up time (60 %) | < 200 s |

LED module information

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|---------------------------|----|
| Number of LEDs per module | 16 |
|---------------------------|----|

Dimensions & weight

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|----------------|----------|
| Product weight | 5000 g |
| Height | 8.0 mm |
| Length | 224.0 mm |
| Width | 50.0 mm |

Temperatures & operating conditions

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|--------------------------------------|--------------|
| 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 |
|----------------------------|--------|

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/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 | 23-06-2023 |
| Primary Article Identifier | 4062172064552 |
| 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 |

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.

Product datasheet

Logistical Data

| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|---------------|-----------------------------|------------------------------|--------------------------------------|-----------------------|--------------|
| 4062172064552 | PL-BRICK HP-Z2 3800 727 2X8 | 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.