

PL-BRICK HP 1000 730 2X2

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 $T_c = 85\text{ °C}$)
- 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: ≤ 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



Product datasheet

Technical data

Electrical data

Nominal current	0.7 A
Type of current	DC
Nominal voltage	11.3 V
On-mode power	8.1 W
Energy consumption in on-mode [GMS]	8.1 kWh/1000h

Photometrical data

Luminous efficacy	163 lm/W
Color rendering index Ra	>70
Correlated color temperature CCT [GMS]	3000 K
Colour consistency (McAdam ellipses) [GMS]	5
Useful luminous flux (Φ_{use}) [GMS]	1269 lm
Light color LED	White

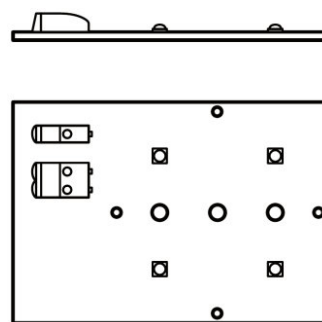
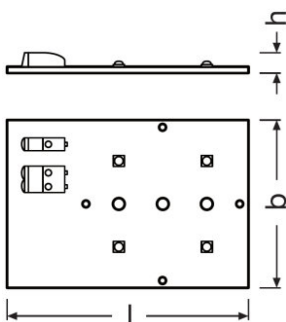
Light technical data

Starting time	< 0.1 s
Warm-up time (60 %)	< 2.00 s

LED module information

Number of LEDs per module	4
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Dimensions & weight



Product weight	15.00 g
Height	6.1 mm
Length	70 mm
Width	50 mm

Product datasheet

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 [GMS]	96
L70B50 lifetime [GMS]	50000 h

Additional product data

Lighting technology used [GMS]	LED
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Certificates & standards

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




Logistical data

Commodity code	853951000000
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Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	11-07-2022
Primary Article Identifier	4062172223331
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 ENEC 40045382 110722	
 CAD data PL BRICK HP 1000 CAD DWG 300622	
 CAD data PL BRICK HP 1000 CAD STEP 300622	

Product datasheet



CAD Data 2-dim
PL BRICK HP 1000 CAD 2DIM 300622



CAD data 3-dim
PL BRICK HP 1000 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
4062172223331	PL-BRICK HP 1000 730 2X2	Shipping carton box 120	345 mm x 177 mm x 147 mm	8.98 dm ³	2087.00 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.