

PL-BRICK HP 3800 727 2X8

PL BRICK HP | LED modules for industry and outdoor applications



Product family features

- Available with color temperature: 2,200 K up to 6,500 K
- Available with CRI > 70 and CRI > 80
- Average lifetime (L80 B10): up to 100,000 h (temperature up to $T_c = 90\text{ }^\circ\text{C}$)
- Maximum temperature at t_c : $95\text{ }^\circ\text{C}$ (according to IEC 62717)
- Operating range: $-40\text{ }^\circ\text{C}$ to $+70\text{ }^\circ\text{C}$
- Initial color consistency: ≤ 5 SDCM
- Maximum working voltage 600 V for the system
- CE marked, ENEC certified
- Type of protection: IP00

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
- NTC for on-module temperature observation



Areas of application

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

Technical data

Electrical data

Nominal voltage	45.30 V
Nominal current	0.53 A
Type of current	DC
On-mode power	24 W
Energy consumption in on-mode	24 kWh/1000h
Maximum forward voltage	47.50 V
Max. drive current	1500 mA

Photometrical data

Luminous efficacy	160 lm/W
Color rendering index Ra	70
Correlated color temperature CCT	2700 K
Colour consistency (McAdam ellipses)	5
Useful luminous flux (Φ_{use})	3830 lm

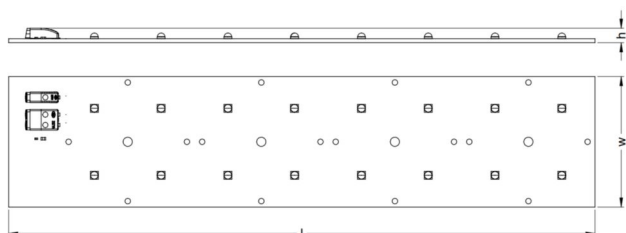
Light technical data

Beam angle	120 °
------------	-------

LED module information

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

Dimensions & weight



Product weight	50.00 g
Height EPREL	6 mm
Length EPREL	223 mm
Width EPREL	49.5 mm

Temperatures & operating conditions

Performance temp. acc. to IEC 62717	55 °C
Maximum temperature at tc test point	95 °C
Temperature range at storage	-30...85 °C
Ambient temperature range	-40...+70 °C
Ambient temperature (rated)	25 °C

Lifespan

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

Additional product data

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

Capabilities

Dimmable	Yes
----------	-----

Certificates & standards

Standards	CE / ENEC
Type of protection	IP00
Energy efficiency class	D

Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	29-04-2026
Primary Article Identifier	6937186124012
Declaration No. in SCIP database	In work
SCIP_ID	

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
6937186124012 INVENTRONICS	PL-BRICK HP 3800 727 2X8	Shipping carton box 120 Pieces	424 x 261 x 292 mm	32.31 dm ³	62.33 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