PrevaLED BRICK MP

LED modules for industry and outdoor applications



Areas of application

- Industry
- Highbay lighting
- Accent lighting
- Outdoor application

Product family benefits

- Compact high-performance module for high-bay and area lighting
- Up to 188 lm/W module efficiency for demanding lighting solutions
- Dimensions aligned with Zhaga book 15
- Compatible with third party optics, e.g. from LEDIL
- NTC for on-module temperature observation

Product family features

- Module efficacy: up to 188 lm/W
- Average lifetime (L70 B50): 100,000 h (temperature up to T_C = 75 °C)
- Luminous flux: up to 5,470 lm
- Available with color temperature: 3,000 K, 4,000 K, 5,000 K
- High initial color consistency: ≤ 3 SDCM
- CE marked, ENEC certified
- Type of protection (modules): IP20







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Technical data

Electrical data

Product description	Nominal current	Type of current	Energy consumption in on-mode	On-mode power
PL-BRICK MP 5000 830 16X4	0.7 A	DC	31.5 kWh/1000h	31.5 W
PL-BRICK MP 5000 840 16X4	0.7 A	DC	31.2 kWh/1000h	31.20 W
PL-BRICK MP 5000 850 16X4	0.7 A	DC	32.0 kWh/1000h	32.00 W

Photometrical data

Product description	Luminous efficacy	Colour consistency (McAdam ellipses)	Correlated color temperature CCT
PL-BRICK MP 5000 830 16X4	181 lm/W	5	3000 K
PL-BRICK MP 5000 840 16X4	181 lm/W	3	4000 K
PL-BRICK MP 5000 850 16X4	181 lm/W	3	5000 K

Product description	Useful luminous flux (Φuse)	Color render-ing index Ra
PL-BRICK MP 5000 830 16X4	5274 lm	>80
PL-BRICK MP 5000 840 16X4	5500 lm	80
PL-BRICK MP 5000 850 16X4	5182 lm	80

Light technical data

Product description	Beam angle
PL-BRICK MP 5000 830 16X4	0 °
PL-BRICK MP 5000 840 16X4	120 °
PL-BRICK MP 5000 850 16X4	120 °

LED module information

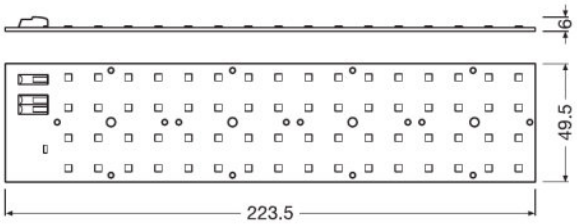
Product description	Number of LEDs per module
PL-BRICK MP 5000 830 16X4	64
PL-BRICK MP 5000 840 16X4	64
PL-BRICK MP 5000 850 16X4	64

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Dimensions & weight

Product description	Product weight	Height	Length	Width
PL-BRICK MP 5000 830 16X4	50.00 g	6 mm	223.5 mm	49.5 mm
PL-BRICK MP 5000 840 16X4	50.00 g	6.0 mm	224.0 mm	50.0 mm
PL-BRICK MP 5000 850 16X4	50.00 g	8.0 mm	224.0 mm	50.0 mm

Product line drawing



PL-BRICK MP 5000 830 16X4, PL-BRICK MP 5000 840 16X4, PL-BRICK MP 5000 850 16X4

Temperatures & operating conditions

Product description	Temperature range at storage
PL-BRICK MP 5000 830 16X4	-30…85 °C
PL-BRICK MP 5000 840 16X4	-30…85 °C
PL-BRICK MP 5000 850 16X4	-30…85 °C

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Lifespan

Product description	Lumen maintenance factor LMF
PL-BRICK MP 5000 830 16X4	96
PL-BRICK MP 5000 840 16X4	96
PL-BRICK MP 5000 850 16X4	96

Additional product data

Product description	Lighting technology used
PL-BRICK MP 5000 830 16X4	LED
PL-BRICK MP 5000 840 16X4	LED
PL-BRICK MP 5000 850 16X4	LED

Capabilities

Product description	Dimmable
PL-BRICK MP 5000 830 16X4	Yes
PL-BRICK MP 5000 840 16X4	
PL-BRICK MP 5000 850 16X4	

Certificates & standards

Product description	Type of protection	Standards	Energy efficiency class
PL-BRICK MP 5000 830 16X4	IP20	CE/ENEC	D
PL-BRICK MP 5000 840 16X4	IP20	CE/ENEC	C
PL-BRICK MP 5000 850 16X4	IP20	CE/ENEC	D

Logistical data

Product description	Commodity code
PL-BRICK MP 5000 830 16X4	85395100000
PL-BRICK MP 5000 840 16X4	85395100000
PL-BRICK MP 5000 850 16X4	85395100000

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Environmental information
Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)

Product description	Date of Declaration	Primary Article Identifier	Candidate List Substance 1
PL-BRICK MP 5000 830 16X4	07-05-2023	4052899620674	No declarable substances contained
PL-BRICK MP 5000 840 16X4	19-10-2022	4052899576773	No declarable substances contained
PL-BRICK MP 5000 850 16X4	19-10-2022	4052899576797	No declarable substances contained

Product description	Declaration No. in SCIP database
PL-BRICK MP 5000 830 16X4	No declarable substances contained
PL-BRICK MP 5000 840 16X4	No declarable substances contained
PL-BRICK MP 5000 850 16X4	No declarable substances contained

Application advice

For more detailed application information and graphics please see product datasheet.

Sales and Technical Support

Sales and Technical Support www.osram.com

Download Data

	File
	Certificates PL BRICK BA BAR CLE VDE ENEC 40045382 210723
	Declarations of conformity PL BRICK MP CE 3637360 070921

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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
4052899620674	PL-BRICK MP 5000 830 16X4	Shipping carton box 120	485 mm x 350 mm x 160 mm	27.16 dm^3	6706.00 g
4052899576773	PL-BRICK MP 5000 840 16X4	Shipping carton box 120	485 mm x 350 mm x 160 mm	27.16 dm^3	6706.00 g
4052899576797	PL-BRICK MP 5000 850 16X4	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.

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