



Mithra LED

BDS150 12xLED16-4S/830 PSU DS50 PCS 76

MITHRA LED, 830 warm white, Power supply unit (On/Off), Safety class I, Distribution symmetrical 50, Grey, Spigot for diameter 76 mm

Offering a modern interpretation of the timeless round symmetrical design, Mithra LED is suitable for use in a wide range of settings. The characteristic horizontal lines in the bowl conceal the LED engine from direct view, yet allow also direct light distribution to ensure efficacy. There is a choice between a round symmetric-distribution LED engine and an LED engine optimized for asymmetric road and street distribution. There are also two bowl finishes: one with partial internal texturing for higher vertical illuminance, and one with partial internal frosting to minimize glare. With its serene character, the affordably priced Mithra LED is ideally suited to many residential applications.

Product data

General Information			
Lamp family code	LED16 [LED module 1600 lm]	CE mark	Yes
Light source replaceable	Yes	ENEC mark	-
Number of gear units	1 unit	Warranty period	5 years
Driver included	Yes	EU RoHS compliant	Yes
Remarks	* At extreme ambient temperatures the luminaire might automatically dim down to protect components	Light Technical	
Light source engine type	LED	Upward light output ratio	0.03
Service tag	Yes	Luminous Flux	1,360 lm
Product family code	BDS150 [MITHRA LED]	Standard tilt angle posttop	0°
Lighting Technology	LED	Standard tilt angle side entry	-
Flammability mark	-	Correlated Color Temperature (Nom)	3000 K
		Luminous Efficacy (rated) (Nom)	105 lm/W
		Color rendering index (CRI)	80

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Number of light sources	12
Light source color	830 warm white
Optical cover type	Polycarbonate bowl/cover structured
Luminaire light beam spread	152° x 155°
Optic type outdoor	Distribution symmetrical 50

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Inrush current	22 A
Inrush time	0.29 ms
Power Consumption	13 W
Power Factor (Fraction)	0.98
Connection	Plug-in connector 3-pole Wieland/Adels compatible
Cable	-
Number of products on MCB of 16 A type B	20

Temperature

Ambient temperature range	-40 to +50 °C
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Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	Analog
Constant light output	No

Mechanical and Housing

Housing Material	Polycarbonate
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Aluminum
Housing Color	Grey
Mounting device	Spigot for diameter 76 mm
Optical cover shape	Conical
Optical cover finish	Ribbed
Overall length	587 mm
Overall width	587 mm
Overall height	273 mm
Overall diameter	587 mm
Effective projected area	0.1 m²

Dimensions (Height x Width x Depth)	273 x 587 x 587 mm
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Approval and Application

Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK09 [10 J]
Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV differential mode and 6 kV common mode
Protection class IEC	Safety class I

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.410, 0.390) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	0.5 %
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 100000 h	L95

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable

Product Data

Order product name	BDS150 12xLED16-4S/830 PSU DS50 PCS 76
Full product name	BDS150 12xLED16-4S/830 PSU DS50 PCS 76
Full product code	871869947721900
Order code	912300024059
Material Nr. (12NC)	912300024059
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699477219
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699477219

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Dimensional drawing

