

Metronomis 1 LED

BDS501 LED70/830 I PCC MDV 42/60S GR

Metronomis 1 LED Brussels, LED module 7000 lm, 830 warm white, Safety class I, Metronomis distribution vertical, Polycarbonate bowl/cover, Grey, Luminaire surge protection level until 6 kV differential mode and 8 kV common mode, Side-entry for diameter 42 to 60 mm

Our family of five, highly distinctive Metronomis 1 LED luminaires is now available in LED. The award-winning Philips Metronomis 1 LED range is designed to enhance Cambridge, Berlin, Bordeaux, Brussels, and Porto luminaires with even greater lighting performance and efficiency. Architects and lighting designers can use these luminaires and dedicated poles and brackets with a wide variety of optics. So they can create a total city lighting solution with a consistent design that still reflects differences in urban culture and history. During the day, Metronomis 1 LED integrates harmoniously with any street scene. At night, its appearance is both functional - guiding people and traffic safely through the city - and decorative, creating a pleasant ambience in city squares and pedestrian areas. The Metronomis 1 LED street lighting solution features a Philips System ready (SR) socket, making it future ready to be paired with standalone or advanced control and lighting software applications such as Interact from Signify. In addition, every Metronomis LED 1 luminaire is uniquely identifiable, thanks to the Signify Service tag app. By simply scanning a QR code, placed inside the door of the mast or directly on the luminaire, you can instantly access the configuration of the luminaire. This makes maintenance and programing operations faster and easier, and enables you to create a digital library of lighting assets and spare parts.

Product data

General Information	
Lamp family code	LED70 [LED module 7000 lm]

Light source replaceable	Yes
Number of gear units	1 unit

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Driver included	Yes
Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example B10. Therefore, the median useful life (B50) value also represents the B10 value. * At extreme ambient temperatures the luminaire might automatically dim down to protect components
Light source engine type	LED
Product family code	BDS501 [Metronomis 1 LED Brussels]
Lighting Technology	LED
Value ladder	Specification
CE mark	Yes
Warranty period	5 years
Flammability mark	-
ENEC mark	ENEC mark
EU RoHS compliant	Yes

Light Technical

Upward light output ratio	0.03
Luminous Flux	6,020 lm
Standard tilt angle posttop	-
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	114 lm/W
Color rendering index (CRI)	80
Light source color	830 warm white
Optical cover type	Polycarbonate bowl/cover
Luminaire light beam spread	70° - 80° x 160°
Optic type outdoor	Metronomis distribution vertical

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	43 A
Inrush time	0.26 ms
Power Consumption	53 W
Power Factor (Fraction)	0.98
Connection	Plug-in connector 5-pole Wieland/Adels compatible
Cable	-
Number of products on MCB of 16 A type B	10

Temperature

Ambient temperature range	-40 to +50 °C

Controls and Dimming

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

Mechanical and Housing

Housing Material	Aluminum
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Aluminum
Housing Color	Grey
Mounting device	Side-entry for diameter 42 to 60 mm
Optical cover shape	Curved
Optical cover finish	Clear
Overall length	795 mm
Overall width	560 mm
Overall height	795 mm
Overall diameter	560 mm
Effective projected area	0.24 m²
Dimensions (Height x Width x Depth)	795 x 560 x 795 mm

Approval and Application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode
Protection class IEC	Safety class I

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.434, 0.403) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 100000 h	L97

Application Conditions

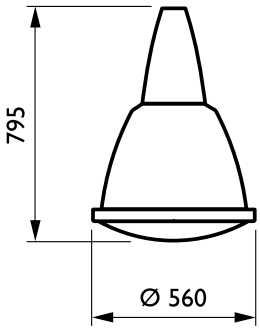
Performance ambient temperature Tq	25 °C

Product Data

Order product name	BDS501 LED70/830 I PCC MDV 42/60S GR
Full product name	BDS501 LED70/830 I PCC MDV 42/60S GR
Full product code	871869946769200
Order code	912300024033
Material Nr. (12NC)	912300024033
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699467692
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699467692

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Dimensional drawing



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