Metronomis LED Torch

BDS650 GRN50-3S/830 PSU II MDS C450 60

Metronomis LED, LED GreenLine 5000 lm, Power supply unit (On/Off), Metronomis distribution symmetrical, Spigot for diameter 60 mm

Philips Metronomis LED is the first post-top luminaire range in the world to offer a palette of lighting effects to give projects a unique contextual or aesthetic touch. An innovative play of reflection, light and shadow that casts a pattern on the ground, or in the bowl, to create additional ambience. Four iconic designs are available: Metronomis LED Torch (BDS650), Metronomis LED Torch with hat (BDS651), Metronomis LED Sharp (BDS660), and Metronomis LED Fluid (BDS670). Each luminaire design has a visual and modular link to Metronomis I, reduced to its essential elements. During the day, the discreet, transparent design blends into its urban context, whether that be contemporary or classical architecture and surroundings, while its night-time appearance is both functional and decorative. Flexible and modular, the Metronomis LED family comes with a range of columns and a wide variety of effects. This enables architects and lighting designers to create a unified, consistent lighting design across any cityscape, while still reflecting the differences in urban culture and history. Metronomis LED also offers all the benefits of LEDGINE. Energy saving, serviceable and upgradable, this luminaire range is designed to maintain excellent light quality over its lifetime.

Product data

General Information

Lamp family code	GRN50 [LED GreenLine 5000 lm]		Driver included	Yes
Light source replaceable	Yes		Photocell	-
Number of gear units	1 unit		Remarks	*-Per Lighting Europe guidance paper
				"Evaluating performance of LED based

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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	BDS650 [Metronomis LED]
Lighting Technology	LED
Value ladder	Specification
Embedded control	–
CE mark	Yes
Warranty period	5 years
Flammability mark	–
ENEC mark	ENEC mark
Glow–wire test	Temperature 650 °C, duration 5 s
EU RoHS compliant	Yes

Light Technical

Standard deviation color matching	5
Upward light output ratio	5
Luminous Flux	4,192 lm
Standard tilt angle posttop	–
Standard tilt angle side entry	–
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	84 lm/W
Color rendering index (CRI)	>80
Number of light sources	1
Light source color	830 warm white
Optical cover type	Polycarbonate bowl/cover
Luminaire light beam spread	17°
Optic type outdoor	Metronomis distribution symmetrical

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	46 A
Inrush time	0.25 ms
Power Consumption	39.2 W
Power Factor (Fraction)	0.96
Connection	Screw connector
Cable	Cable 0.45 m without plug
Number of products on MCB of 16 A type B	11

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	Polycarbonate
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Aluminum
Housing Color	Grey
Mounting device	Spigot for diameter 60 mm
Optical cover shape	–
Optical cover finish	–
Overall height	990 mm
Overall diameter	330 mm
Effective projected area	0.274 m²

Approval and Application

Ingress protection code	IP66 [Dust penetration–protected, jet–proof]
Mech. impact protection code	IK10 [20 J vandal–resistant]
Surge Protection (Common/Differential)	Philips standard surge protection level
Protection class IEC	Safety class II

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/–7%
Initial chromaticity	(0.430, 0.300) 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	L80

Application Conditions

Performance ambient temperature Tq	25 °C

Product Data

Order product name	BDS650 GRN50–3S/830 PSU II MDS C450 60
Full product name	BDS650 GRN50–3S/830 PSU II MDS C450 60
Full product code	871829188534400
Order code	910925438007
Material Nr. (12NC)	910925438007
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8718291885344
Numerator – Packs per outer box	1
EAN/UPC – Case	8718291885344

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Dimensional drawing

www.lighting.philips.com

2023, December 5 – data subject to change