Metronomis LED Fluid

BDS670 GRN15-3S/830 PSR-CLO I MDV DF D9

Metronomis LED, LED GreenLine 1500 lm, Power supply unit regulating with constant light output, Metronomis distribution vertical

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	GRN15 [LED GreenLine 1500 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Photocell	–

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

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	B10. Therefore, the median useful life (B50) value also represents the B10 value.	Constant light output	Yes
Light source engine type	LED		
Product family code	BDS670 [Metronomis LED]	**Mechanical and Housing**	
Lighting Technology	LED	Housing Material	Aluminum
Value ladder	Specification	Reflector material	Polycarbonate
Embedded control	–	Optic material	Polycarbonate
CE mark	Yes	Optical cover material	Polycarbonate
Warranty period	5 years	Fixation material	Aluminum
Flammability mark	–	Housing Color	Grey
ENEC mark	ENEC mark	Mounting device	Spigot for diameter 60 mm
Glow-wire test	Temperature 650 °C, duration 5 s	Optical cover shape	–
EU RoHS compliant	Yes	Optical cover finish	–
		Overall height	990 mm
Light Technical		Overall diameter	560 mm
Standard deviation color matching	5	Effective projected area	0.4396 m²
Upward light output ratio	5		
Luminous Flux	1,396 lm	**Approval and Application**	
Standard tilt angle posttop	–	Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Standard tilt angle side entry	–	Mech. impact protection code	IK10 [20 J vandal-resistant]
Correlated Color Temperature (Nom)	3000 K	Surge Protection (Common/Differential)	Philips standard surge protection level
Luminous Efficacy (rated) (Nom)	82 lm/W	Protection class IEC	Safety class I
Color rendering index (CRI)	>80		
Number of light sources	1	**Initial Performance (IEC Compliant)**	
Light source color	830 warm white	Luminous flux tolerance	+/-7%
Optical cover type	Polycarbonate bowl/cover	Initial chromaticity	(0.430, 0.300) SDCM <5
Luminaire light beam spread	60° x 50°	Power consumption tolerance	+/-10%
Optic type outdoor	Metronomis distribution vertical	Init. Color Rendering Index Tolerance	+/-2
Operating and Electrical		**Over Time Performance (IEC Compliant)**	
Input Voltage	220 to 240 V	Control gear failure rate at median useful life 100000 h	10 %
Line Frequency	50 to 60 Hz		
Initial CLO power consumption	9.984 W	Lumen maintenance at median useful life* 100000 h	L100
Average CLO power consumption	11.392 W		
End CLO power consumption	12.8 W		
Inrush current	22 A	**Application Conditions**	
Inrush time	0.29 ms	Performance ambient temperature Tq	25 °C
Power Consumption	12.8 W	Maximum dim level	0% (digital)
Power Factor (Fraction)	0.92		
Connection	Screw connector	**Product Data**	
Cable	–	Order product name	BDS670 GRN15-3S/830 PSR-CLO I MDV DF D9
Number of products on MCB of 16 A type B	20		
		Full product name	BDS670 GRN15-3S/830 PSR-CLO I MDV DF D9
Temperature			
Ambient temperature range	–40 to +50 °C	Full product code	871829188493400
		Order code	910925437965
Controls and Dimming		Material Nr. (12NC)	910925437965
Dimmable	Yes	Numerator – Quantity Per Pack	1
Driver/power unit/transformer	Power supply unit regulating with constant light output	EAN/UPC – Product/Case	8718291884934
		Numerator – Packs per outer box	1
Control interface	DALI	EAN/UPC – Case	8718291884934

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Dimensional drawing

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2023, December 5 – data subject to change