Metronomis LED Fluid

BDS670 GRN40-3S/740 PSR-CLO I MDV DF D9

Metronomis LED, LED GreenLine 4000 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	GRN40 [LED GreenLine 4000 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
		Overall diameter	560 mm
Light Technical		Effective projected area	0.4396 m²
Standard deviation color matching	5		
Upward light output ratio	5	**Approval and Application**	
Luminous Flux	3,486 lm	Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Standard tilt angle posttop	–	Mech. impact protection code	IK10 [20 J vandal-resistant]
Standard tilt angle side entry	–	Surge Protection (Common/Differential)	Philips standard surge protection level
Correlated Color Temperature (Nom)	4000 K	Protection class IEC	Safety class I
Luminous Efficacy (rated) (Nom)	100 lm/W		
Color rendering index (CRI)	>70	**Initial Performance (IEC Compliant)**	
Number of light sources	1	Luminous flux tolerance	+/-7%
Light source color	740 neutral white	Initial chromaticity	(0.380, 0.380) SDCM <5
Optical cover type	Polycarbonate bowl/cover	Power consumption tolerance	+/-10%
Luminaire light beam spread	60° x 50°	Init. Color Rendering Index Tolerance	+/-2
Optic type outdoor	Metronomis distribution vertical		
		Over Time Performance (IEC Compliant)	
Operating and Electrical		Control gear failure rate at median useful life 100000 h	10 %
Input Voltage	220 to 240 V	Lumen maintenance at median useful life* 100000 h	L100
Line Frequency	50 to 60 Hz		
Initial CLO power consumption	24.96 W		
Average CLO power consumption	28.48 W	**Application Conditions**	
End CLO power consumption	32 W	Performance ambient temperature Tq	25 °C
Inrush current	22 A	Maximum dim level	0% (digital)
Inrush time	0.29 ms		
Power Consumption	32 W	**Product Data**	
Power Factor (Fraction)	0.98	Order product name	BDS670 GRN40-3S/740 PSR-CLO I MDV DF D9
Connection	Screw connector		
Cable	–	Full product name	BDS670 GRN40-3S/740 PSR-CLO I MDV DF D9
Number of products on MCB of 16 A type B	20		
		Full product code	871829188494100
		Order code	910925437966
Temperature		Material Nr. (12NC)	910925437966
Ambient temperature range	–40 to +50 °C	Numerator – Quantity Per Pack	1
		EAN/UPC – Product/Case	8718291884941
		Numerator – Packs per outer box	1
Controls and Dimming		EAN/UPC – Case	8718291884941
Dimmable	Yes		
Driver/power unit/transformer	Power supply unit regulating with constant light output		
Control interface	DALI		

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Dimensional drawing

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2023, December 5 – data subject to change