Metronomis LED Fluid

BDS670 GRN50-3S/830 PSR-CLO II MDS 60

Metronomis LED, LED GreenLine 5000 lm, Power supply unit regulating with constant light output, Metronomis distribution symmetrical, Spigot for diameter 60 mm

Metronomis LED is the first post-top range in the world to offer a palette of environmental lighting effects to give projects a unique contextual or aesthetic touch. An innovative play of reflection, light and shadow creates an environmental pattern on the ground or on the bowl to create additional ambience. Four new iconic designs – with a visual and modular link to Metronomis I – are reduced to the essential elements. During the day, the discreet, transparent design blends into its context, be it contemporary or classical, while its night-time appearance is both functional and decorative. The flexible, modular Metronomis LED comes with a range of columns and a wide variety of optics and effects, enabling architects and lighting designers to create a unified, consistent lighting design that still reflects the differences in urban culture and history.

Product data

General Information

Lamp family code	GRN50 [LED GreenLine 5000 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 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	BDS670 [Metronomis LED]
Lighting Technology	LED
Value ladder	Specification
Embedded control	–
CE mark	Yes

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Warranty period	5 years		**Reflector material**	Polycarbonate
Flammability mark	–		**Optic material**	Polycarbonate
ENEC mark	ENEC mark		**Optical cover material**	Polycarbonate
Glow-wire test	Temperature 650 °C, duration 5 s		**Fixation material**	Aluminum
EU RoHS compliant	Yes		**Housing Color**	Grey
			Mounting device	Spigot for diameter 60 mm
Light Technical			**Optical cover shape**	–
Standard deviation color matching	5		**Optical cover finish**	–
Upward light output ratio	5		**Overall height**	990 mm
Luminous Flux	4,330 lm		**Overall diameter**	560 mm
Standard tilt angle posttop	–		**Effective projected area**	0.4396 m²
Standard tilt angle side entry	–			
Correlated Color Temperature (Nom)	3000 K		**Approval and Application**	
Luminous Efficacy (rated) (Nom)	87 lm/W		**Ingress protection code**	IP66 [Dust penetration-protected, jet-proof]
Color rendering index (CRI)	>80		**Mech. impact protection code**	IK10 [20 J vandal-resistant]
Number of light sources	1		**Surge Protection (Common/Differential)**	Philips standard surge protection level
Light source color	830 warm white		**Protection class IEC**	Safety class II
Optical cover type	Polycarbonate bowl/cover			
Luminaire light beam spread	17°		**Initial Performance (IEC Compliant)**	
Optic type outdoor	Metronomis distribution symmetrical		**Luminous flux tolerance**	+/-7%
			Initial chromaticity	(0.430, 0.300) SDCM <5
Operating and Electrical			**Power consumption tolerance**	+/-10%
Input Voltage	220 to 240 V		**Init. Color Rendering Index Tolerance**	+/-2
Line Frequency	50 to 60 Hz			
Initial CLO power consumption	30.576 W		**Over Time Performance (IEC Compliant)**	
Average CLO power consumption	34.888 W		**Control gear failure rate at median useful life 100000 h**	10 %
End CLO power consumption	39.2 W			
Inrush current	46 A		**Lumen maintenance at median useful life* 100000 h**	L100
Inrush time	0.25 ms			
Power Consumption	39.2 W			
Power Factor (Fraction)	0.96		**Application Conditions**	
Connection	Screw connector		**Performance ambient temperature Tq**	25 °C
Cable	–			
Number of products on MCB of 16 A type B	11		**Product Data**	
			Order product name	BDS670 GRN50-3S/830 PSR-CLO II MDS 60
Temperature			**Full product name**	BDS670 GRN50-3S/830 PSR-CLO II MDS 60
Ambient temperature range	–40 to +50 °C		**Full product code**	871829188509200
			Order code	88509200
Controls and Dimming			**Material Nr. (12NC)**	910925437981
Dimmable	No		**Numerator – Quantity Per Pack**	1
Driver/power unit/transformer	Power supply unit regulating with constant light output		**EAN/UPC – Product/Case**	8718291885092
			Numerator – Packs per outer box	1
Constant light output	Yes		**EAN/UPC – Case**	8718291885092
Mechanical and Housing				
Housing Material	Aluminum			

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Dimensional drawing

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2023, April 30 – data subject to change