Metronomis LED Sharp

BDS660 GRN80-3S/740 PSR II MDM DDF1 C450

Metronomis LED, LED GreenLine 8000 lm, Power supply unit with DynaDimmer, Metronomis distribution medium, DynaDimmer with fixed presets version 1

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	GRN80 [LED GreenLine 8000 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	BDS660 [Metronomis LED]

Metronomis LED Sharp

Lighting Technology	LED
Value ladder	Specification
Embedded control	DynaDimmer with fixed presets version 1
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	7,241 lm
Standard tilt angle posttop	–
Standard tilt angle side entry	–
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	102 lm/W
Color rendering index (CRI)	>70
Number of light sources	1
Light source color	740 neutral white
Optical cover type	Polycarbonate bowl/cover
Luminaire light beam spread	48° x 66°
Optic type outdoor	Metronomis distribution medium

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	53 A
Inrush time	0.3 ms
Power Consumption	55 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	8

Temperature

Ambient temperature range	–40 to +50 °C

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DynaDimmer
Control interface	–
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	560 mm
Effective projected area	0.4396 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	(0.380, 0.380) 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
Maximum dim level	50%

Product Data

Order product name	BDS660 GRN80-3S/740 PSR II MDM DDF1 C450
Full product name	BDS660 GRN80-3S/740 PSR II MDM DDF1 C450
Full product code	871829188474300
Order code	88474300
Material Nr. (12NC)	910925437946
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8718291884743
Numerator – Packs per outer box	1
EAN/UPC – Case	8718291884743

Metronomis LED Sharp

Dimensional drawing

www.lighting.philips.com

2023, April 29 – data subject to change