



Metronomis LED Torch, Urban road & street light, 12.8 W, 1638 lm, 4000 K, CRI70, DALI, Metronomis distribution symmetrical, Safety class I, IP66, SRGU10

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.

General Information

Lamp family code	LED20 [LED Module 2000 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Light source engine type	LED
Service tag	Yes
Lighting Technology	LED
Value ladder	Specification
Warranty period	5 years

Light Technical

Upward light output ratio	1.1
Luminous Flux	1,638 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	128 lm/W
Color rendering index (CRI)	70
Light source color	740 neutral white
Luminaire light beam spread	17°
Optic type outdoor	Metronomis distribution symmetrical
Effective projected area	0.4396 m ²

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz

Initial CLO power consumption	12.8 W
Average CLO power consumption	13 W
End CLO power consumption	13 W
Inrush current	21 A
Inrush time	0.225 ms
Power Consumption	12.8 W
Power Factor (Fraction)	0.92
Connection	Screw connector
Cable	-
Number of products on MCB of 16 A type B	26
Protection class IEC	Safety class I
Surge Protection (Common/Differential)	Surge protection level until 10 kV

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface and constant light output
Control interface	DALI
Constant light output	Yes
DALI Standard	DALI-2™
Maximum dim level	Programmable
Embedded control	Constant light output

Mechanical and Housing

Housing Material	Aluminum
Reflector material	Polycarbonate

Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Aluminum
Housing Color	Gray
Mounting device	Spigot for diameter 60 mm
Optical cover shape	-
Optical cover finish	-
Overall height	1,060 mm
Overall diameter	560 mm
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK10 [20 J vandal-resistant]
Standard tilt angle posttop	-
Standard tilt angle side entry	-
Optical cover type	Polycarbonate bowl/cover
Net Weight (Piece)	12.568 kg

Approval and Application

Flammability mark	-
CE mark	Yes
ENEC mark	ENEC mark
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Remarks	* At extreme ambient temperatures the luminaire might automatically dim down to protect components
Ambient temperature range	-40 to +50 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.3818, 0.3796) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤5

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50000 h	5 %
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L99
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L98

Sustainability Data

Sustainability rating	Unclassified
Embedded carbon (A1-A3)	105 kg CO ₂ e
Product non-virgin material ratio	45.9 %
Recyclable content ratio of the finished product	60.3 %
GWP total B6 (kg CO ₂ eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO ₂ eq / kWh)
GWP total B6 (kg CO ₂ eq) Functional Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) /lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO ₂ eq / kWh)

Product Data

Order product name	BDS651 LED20-4S/740 I MDS CLO D9 STD 60
Full product name	BDS651 LED20-4S/740 I MDS CLO D9 STD 60
Full product code	871951419946000
Order code	910925868151
Material Nr. (12NC)	910925868151
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514199460
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514199460
Product family code	BDS651 [METRONOMIS LED TORCH]

Dimensional drawing

