



Koffer² LED Mini

BGP060 ECO23--3S/830 II MSO GR

Mini Koffer2 LED, LED EconomyLine 2300 lm, 830 warm white, Safety class II, Medium wide street optic, Grey, Post-top for diameter 60 to 76 mm

Koffer² is an archetypal modern road lighting luminaire which meets the needs of today's road users and operators. Total cost over lifetime was a key consideration in the development of Koffer². The future-proof luminaire delivers outstanding optical performance, enabling optimum spacing and energy efficiency, and is easy to install and maintain. With its rectangular shape, Koffer² offers an alternative to rounded luminaires. It is available in three sizes – for mounting heights from 3.5 to 12 meters – and with dedicated masts and brackets, making it equally suitable for integration into modern urban environments or more traditional lighting designs. The Koffer² family accommodates CosmoPolis white-light technology and LED-enabled versions. Each Koffer² luminaire is fully recyclable; only the light source and driver have to be recycled separately.

Product data

General Information			
Lamp family code	ECO23 [LED EconomyLine 2300 lm]	B10. Therefore, the median useful life (B50) value also represents the B10 value.	
Light source replaceable	Yes	Light source engine type	LED
Number of gear units	1 unit	Product family code	BGP060 [Mini Koffer2 LED]
Driver included	Yes	Lighting Technology	LED
Photocell	-	Embedded control	-
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		
		CE mark	Yes
		Warranty period	5 years
		Flammability mark	-
		ENEC mark	ENEC mark

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EU RoHS compliant	Yes
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Light Technical

Upward light output ratio	0.03
Luminous Flux	2,302 lm
Standard tilt angle posttop	10°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	99 lm/W
Color rendering index (CRI)	80
Light source color	830 warm white
Optical cover type	Polycarbonate bowl/cover
Luminaire light beam spread	180°
Optic type outdoor	Medium wide street optic

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	22 A
Inrush time	0.29 ms
Power Consumption	23.1 W
Power Factor (Fraction)	0.95
Connection	Internal connector
Cable	-
Number of products on MCB of 16 A type B	20

Temperature

Ambient temperature range	-20 to +35 °C
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Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit regulating
Constant light output	No

Mechanical and Housing

Housing Material	Aluminum
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Aluminum
Housing Color	Grey
Mounting device	Post-top for diameter 60 to 76 mm
Optical cover shape	Convex lens

Optical cover finish	Clear
Overall length	511 mm
Overall width	264 mm
Overall height	111 mm
Effective projected area	0.032 m²
Dimensions (Height x Width x Depth)	111 x 264 x 511 mm
Parts color	-

Approval and Application

Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK07 [2 J reinforced]
Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode
Protection class IEC	Safety class II

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.43,0.40) 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 75000 h	7.5 %
Lumen maintenance at median useful life* 75000 h	L80

Application Conditions

Performance ambient temperature Tq	25 °C
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Product Data

Order product name	BGP060 ECO23--3S/830 II MSO GR
Full product name	BGP060 ECO23--3S/830 II MSO GR
Full product code	871829133101800
Order code	910403911412
Material Nr. (12NC)	910403911412
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291331018
Numerator - Packs per outer box	1
EAN/UPC - Case	8718291331018

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Dimensional drawing

