PHILIPS Lighting



Koffer² LED Mini

BGP060 GRN16--3S/830 II MSO GR

Mini Koffer2 LED, LED GreenLine 1600 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	GRN16 [LED GreenLine 1600 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.
Light source engine type	LED
Product family code	BGP060 [Mini Koffer2 LED]
Lighting Technology	LED
Embedded control	-
CE mark	Yes
Warranty period	5 years
Flammability mark	-
ENEC mark	ENEC mark

Koffer² LED Mini

EU RoHS compliant	Yes
Light Technical	
Upward light output ratio	0.03
Luminous Flux	1,603 lm
Standard tilt angle posttop	10°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	100 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

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Operating and Electrical	

511 mm 264 mm 111 mm 0.032 m ² 111 x 264 x 511 mm -
0.032 m ²
0.032 m ²
111 x 264 x 511 mm -
-
IP66 [Dust penetration-protected, jet-proof]
IK07 [2 J reinforced]
Luminaire surge protection level until 6 kV
differential mode and 8 kV common mode
Safety class II

+/-10%

+/-10%

+/-2

(0.43,0.40) SDCM<5

Convex lens

Clear

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

Tom	perature	
rein	perature	

Ambient temperature range

	Dimming

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

-20 to +35 °C

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

Application Conditions

Optical cover shape

Optical cover finish

Performance ambient temperature Tq 25 °C

Over Time Performance (IEC Compliant) Control gear failure rate at median useful 10 %

Lumen maintenance at median useful life* L80

Initial Performance (IEC Compliant)

Luminous flux tolerance

Power consumption tolerance Init. Color Rendering Index Tolerance

Initial chromaticity

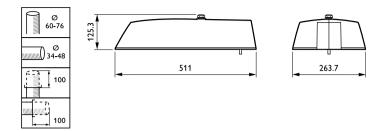
life 100000 h

100000 h

Product Data	
Order product name	BGP060 GRN163S/830 II MSO GR
Full product name	BGP060 GRN163S/830 II MSO GR
Full product code	871829133097400
Order code	910403911012
Material Nr. (12NC)	910403911012
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291330974
Numerator - Packs per outer box	1
EAN/UPC - Case	8718291330974

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Dimensional drawing





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