



CoreLine Highbay

BY120P G3 LED105S/865 PSU WB GR

LED module, system flux 10500 lm, 865 cool daylight, Power supply unit (On/Off), Wide beam, Grey

Following the successful introduction of the CoreLine High-bay in 2013, the upgrade to a new generation of LEDs has further improved color rendering and total cost of ownership. Designed as a replacement for HPI 250/400 W luminaires, CoreLine High-bay offers customers all the benefits of LED lighting – fresh light quality, longer service lifetime, reduced energy consumption and maintenance – from a trusted manufacturer. At the same time, it delivers clear benefits for the installer too. The luminaire can be installed on the existing grid. Electrical connection is straightforward: there is no need to open the luminaire for installation or servicing. And being smaller and lighter than conventional luminaires, it is very easy to handle.

Product data

General Information		Lighting Technology	
Lamp family code	LED105S [LED module, system flux 10500 lm]	CE mark	CE mark
Light source replaceable	No	Warranty period	3 years + 2 years upon registration
Number of gear units	1 unit	Flammability mark	For mounting on normally flammable surfaces
Driver included	Yes	ENEC mark	-
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.	Glow-wire test	Temperature 650 °C, duration 5 s
Light source engine type	LED	EU RoHS compliant	Yes
Service tag	Yes	Light Technical	
		Luminous Flux	10,500 lm
		Correlated Color Temperature (Nom)	6500 K
		Luminous Efficacy (rated) (Nom)	125 lm/W
		Color rendering index (CRI)	≥80

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Number of light sources	1
Beam angle of light source	- degree(s)
Light source color	865 cool daylight
Optic type	Wide beam
Optical cover type	Polycarbonate bowl/cover
Luminaire light beam spread	100°

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	85 W
Average CLO power consumption	85 W
Inrush current	46 A
Inrush time	0.44 ms
Power Consumption	85 W
Power Factor (Fraction)	0.9
Connection	Connection unit 3-pole
Cable	Cable 0.5 m with cable connector 3-pole
Number of products on MCB of 16 A type B	11

Temperature

Ambient temperature range	-30 to +45 °C
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Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	-
Constant light output	Yes

Mechanical and Housing

Housing Material	Aluminum
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	-
Housing Color	Grey
Optical cover finish	Clear

Overall length	382 mm
Overall width	379 mm
Overall height	141 mm
Overall diameter	379 mm
Dimensions (Height x Width x Depth)	141 x 379 x 382 mm

Approval and Application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK07 [2 J reinforced]
Protection class IEC	Safety class I

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM <5
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance at median useful life* 50000 h	L70

Application Conditions

Performance ambient temperature Tq	25 °C
Suitable for random switching	Yes

Product Data

Order product name	BY120P G3 LED105S/865 PSU WB GR
Full product name	BY120P G3 LED105S/865 PSU WB GR
Full product code	871016331712000
Order code	31712000
Material Nr. (12NC)	911401571041
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8710163317120
Numerator - Packs per outer box	1
EAN/UPC - Case	8710163317120

Dimensional drawing



