



CoreLine Highbay

BY121P G3 LED205S/865 PIR WB GR

LED module, system flux 20500 lm - 865 cool daylight - Power supply unit - Wide beam - Gray

Following the successful introduction of the CoreLine High-bay in 2013, the upgrade to a new generation further improves the total cost of ownership and provides optionally DALI dimming for even further savings. Designed as a replacement for HPI 250/400 W luminaires, CoreLine High-bay G3 offers customers all the benefits of LED lighting – fresh light quality, longer service lifetime, reduced energy consumption and less 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		Control interface	-
Number of light sources	1 pc	Connection	Connection unit 3-pole
Lamp family code	LED205S [LED module, system flux 20500 lm]	Cable	Cable 0.5 m with cable connector 3-pole
Beam angle of light source	- °	Protection class IEC	Safety class I
Light source color	865 cool daylight	Glow-wire test	Temperature 650 °C, duration 5 s
Light source replaceable	No	Flammability mark	For mounting on normally flammable surfaces
Number of gear units	1 unit	CE mark	CE mark
Driver/power unit/transformer	Power supply unit	ENEC mark	-
Driver included	Yes	Warranty period	3 years + 2 years upon registration
Optic type	Wide beam	Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen
Optical cover/lens type	Polycarbonate bowl/cover		
Luminaire light beam spread	100°		

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	maintenance between B50 and for example B10. Therefore the median useful life (B50) value also represents the B10 value.
Constant light output	No
Number of products on MCB of 16 A type B	8
RoHS mark	RoHS mark
Light source engine type	LED

Operating and Electrical

Input Voltage	220 to 240 V
Input Frequency	50 to 60 Hz
Control signal voltage	-
Inrush current	53 A
Inrush time	0.3 ms
Power Factor (Min)	0.9

Controls and Dimming

Dimmable	Yes
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Mechanical and Housing

Housing Material	Aluminum
Reflector material	-
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	-
Optical cover/lens finish	Clear
Overall length	454 mm
Overall width	452 mm
Overall height	152 mm
Overall diameter	452 mm
Diameter	-
Color	Gray

Approval and Application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
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Mech. impact protection code	IK07 [2 J reinforced]
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Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	20500 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	130 lm/W
Init. Corr. Color Temperature	6500 K
Init. Color Rendering Index	≥80
Initial chromaticity	(0.38, 0.38) SDCM <5
Initial input power	155 W
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

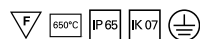
Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance at median useful life* 50000 h	L70

Application Conditions

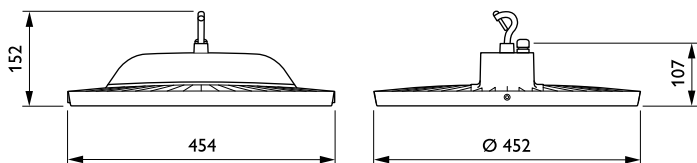
Ambient temperature range	-30 to +45 °C
Performance ambient temperature Tq	25 °C
Maximum dim level	25%
Suitable for random switching	Yes

Product Data

Full product code	871016331715100
Order product name	BY121P G3 LED205S/865 PIR WB GR
EAN/UPC - Product	8710163317151
Order code	911401571441
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	911401571441
Net Weight (Piece)	4.800 kg



Dimensional drawing



CoreLine High-bay BY120P/BY121P

