



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 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	
Number of light sources	1 [1 pc]
Lamp family code	LED205S [LED module, system flux 20500 lm]
Beam angle of light source	- °
Light source colour	865 cool daylight
Light source replaceable	No
Number of gear units	1 unit
Driver/power unit/transformer	PSU [Power supply unit]
Driver included	Yes
Optic type	WB [Wide beam]
Optical cover/lens type	PC [Polycarbonate bowl/cover]
Luminaire light beam spread	100°
Control interface	-

Connection	CU3 [Connection unit 3-pole]
Cable	Cord 0.5 m with cable connector 3-pole
Protection class IEC	Safety class I (I)
Glow-wire test	650/5 [Temperature 650 °C, duration 5 s]
Flammability mark	F [For mounting on normally flammable surfaces]
CE mark	CE mark
ENEC mark	-
Remarks	*- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen maintenance between the B50 and, for example, the B10. Therefore, the median

CoreLine Highbay

	useful life (B50) value also represents the B10 value.
Constant light output	No
Number of products on MCB (16 A type B)	8
EU RoHS compliant	Yes
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
----------	-----

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	-
Colour	Gray

Approval and Application

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

Initial Performance (IEC Compliant)

Initial luminous flux	20500 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	130 lm/W
Init. Corr. Colour Temperature	6500 K
Init. Colour 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)

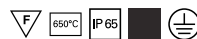
Control gear failure rate at median useful life 50,000 h	5 %
Lumen maintenance at median useful life* L70 50,000 h	

Application Conditions

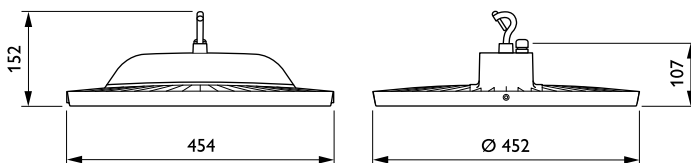
Ambient temperature range	-30 to +45 °C
Performance ambient temperature Tq	25 °C
Maximum dimming level	25%
Suitable for random switching	Yes

Product Data

Full product code	871016331715100
Order product name	BY121P G3 LED205S/865 PIR WB GR
EAN/UPC – product	8710163317151
Order code	31715100
SAP numerator – quantity per pack	1
Numerator – packs per outer box	1
SAP material	911401571441
SAP net weight (piece)	4.800 kg



Dimensional drawing



CoreLine High-bay BY120P/BY121P

CoreLine Highbay

