



CoreLine Highbay

BY121P G3 LED205S/840 PIR WB GR

LED module, system flux 20500 lm - 840 neutral white - 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]	Connection	CU3 [Connection unit 3-pole]
Lamp family code	LED205S [LED module, system flux 20500 lm]	Cable	Cord 0.5 m with cable connector 3-pole
Beam angle of light source	- °	Protection class IEC	Safety class I (I)
Light source colour	840 neutral white	Standard RAL colour	Light gray (7035)
Light source replaceable	No	Glow-wire test	650/5 [Temperature 650 °C, duration 5 s]
Number of gear units	1 unit	Flammability mark	F [For mounting on normally flammable surfaces]
Driver/power unit/transformer	PSU [Power supply unit]	CE mark	CE mark
Driver included	Yes	ENEC mark	-
Optic type	WB [Wide beam]	Constant light output	No
Optical cover/lens type	PC [Polycarbonate bowl/cover]	Number of products on MCB	8
Luminaire light beam spread	100°	RoHS mark	RoHS mark
Control interface	DALI		

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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	-

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	4000 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)

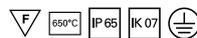
Driver failure rate at 5,000 hours	1 %
Median useful life L70B50	50000 h
Median useful life L80B50	30000 h
Median useful life L90B50	15000 h

Application Conditions

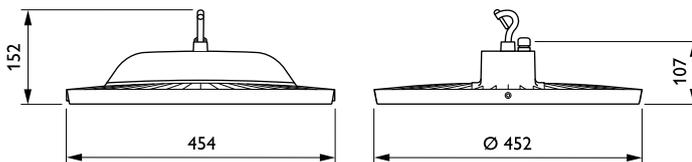
Ambient temperature range	-30 to +45 °C
Average ambient temperature	25 °C
Suitable for random switching	Yes (relates to presence/ movement detection and daylight harvesting)

Product Data

Full product code	871016331714400
Order product name	BY121P G3 LED205S/840 PIR WB GR
EAN/UPC – product	8710163317144
Order code	31714400
Numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (12NC)	911401571241
Net weight (piece)	4.800 kg



Dimensional drawing



CoreLine High-bay BY120P/BY121P

