



# CoreLine Highbay

## BY121P G2 LED205S/840 PSU WB GR

CoreLine Highbay, 198 W, 20500 lm, 4000 K, 100°

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			
Lamp family code	LED205S [LED module, system flux 20500 lm]	ENEC mark	-
Light source replaceable	No	Glow-wire test	Temperature 650 °C, duration 5 s
Number of gear units	1 unit	Light Technical	
Driver included	Yes	Luminous Flux	20,500 lm
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.	Correlated Color Temperature (Nom)	4000 K
CE mark	CE mark	Luminous Efficacy (rated) (Nom)	104 lm/W
Warranty period	3 years + 2 years upon registration	Color rendering index (CRI)	≥80
Flammability mark	For mounting on normally flammable surfaces	Number of light sources	1
		Beam angle of light source	- degree(s)
		Light source color	840 neutral white
		Optic type	Wide beam
		Optical cover type	Polycarbonate bowl/cover
		Luminaire light beam spread	100°

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Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Average CLO power consumption	false W
Power Consumption	198 W
Connection	Push-in connector 3-pole
Cable	Cable 0.25 m with push-in connector 3-pole
Temperature	
Ambient temperature range	-30 to +40 °C
Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	-
Mechanical and Housing	
Housing Material	Aluminum
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	-
Housing Color	Grey
Optical cover finish	Clear
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

Dimensional drawing

Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM <5
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
Maximum dim level	Not applicable
Suitable for random switching	Yes
Product Data	
Order product name	BY121P G2 LED205S/840 PSU WB GR
Full product name	BY121P G2 LED205S/840 PSU WB GR
Full product code	871016329606700
Order code	911401578311
Material Nr. (12NC)	911401578311
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8710163296067
Numerator - Packs per outer box	1
EAN/UPC - Case	8710163296067

