



Coreline Highbay Gen4

BY121P G4 LED200S/865 PSU NB

- 865 cool daylight - Power supply unit (ON/OFF) - Narrow beam

CoreLine Highbay Gen4 delivers on the CoreLine promise of innovative, easy-to-use and high-quality luminaires. A reliable, highly-efficient luminaire with a very long-lifetime, it delivers great energy savings and requires less maintenance. At the same time, CoreLine Highbay is very easy to handle. The luminaire can be installed on your existing grid and the electrical connection is a straightforward task, with no need to open the luminaire and an external IP65 connector. With a choice of two beam angles: narrow and wide beam, you can adjust your lighting plan to suit your exact needs. This range also includes Interact Ready luminaires with integrated wireless communications and integrated movement and daylight sensors. So CoreLine Highbay Gen4 is ready to be used with any Interact connected lighting system.

Product data

General Information		Correlated Color Temperature (Nom)	
Light source replaceable	No	Correlated Color Temperature (Nom)	6500 K
Number of gear units	1 unit	Luminous Efficacy (rated) (Nom)	149 lm/W
Driver included	Yes	Color rendering index (CRI)	>80
Light source engine type	LED	Beam angle of light source	55 degree(s)
Service tag	Yes	Light source color	865 cool daylight
Value ladder	Performance	Optic type	Narrow beam
Light Technical		Optical cover/lens type	Polycarbonate bowl/cover
Luminous Flux	20,500 lumen	Luminaire light beam spread	55°
		Unified glare rating CEN	22

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Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Initial CLO power consumption	- W
Average CLO power consumption	- W
Inrush current	54 A
Inrush time	0.65 ms
Power Consumption	138 W
Power Factor (Fraction)	0.95
Connection	Connection unit 3-pole
Cable	Cable 0.3 m with connector 3-pole
Number of products on MCB of 16 A type B	8

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)
Constant light output	No

Mechanical and Housing

Housing Material	Aluminum
Reflector material	-
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	Aluminum
Housing Color	Gray
Optical cover/lens finish	Clear
Overall height	95 mm
Overall diameter	450 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
Glow-wire test	Temperature 650 °C, duration 30 s

Flammability mark	For mounting on easily flammable surfaces
CE mark	CE mark
ENEC mark	ENEC mark
Warranty period	5 years
Photobiological risk	Photobiological risk group 0 @200mm to EN62778
EU RoHS compliant	Yes

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.31, 0.32 SDCM <5
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

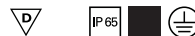
Driver failure rate at 5000 h	0.3 %
Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance at median useful life* 50000 h	L80

Application Conditions

Performance ambient temperature Tq	35 °C
Maximum dim level	Not applicable
Suitable for random switching	Yes

Product Data

Full product code	871016333565000
Order product name	BY121P G4 LED200S/865 PSU NB
EAN/UPC - Product	8710163335650
Order code	911401575451
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material number (12NC)	911401575451
Full product name	BY121P G4 LED200S/865 PSU NB
EAN/UPC - Case	8710163335650



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Dimensional drawing

