Coreline Highbay Gen4

BY122P G4 LED250S/865 PSU WB

Coreline Highbay Gen4, 172 W, 25500 lm, 6500 K, 90°, IP65, IK07

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	
Light source replaceable	No
Number of gear units	1 unit
Driver included	Yes
Light source engine type	LED
Service tag	Yes
Value ladder	Performance
CE mark	CE mark
Warranty period	5 years

Flammability mark	For mounting on easily flammable surfaces
ENEC mark	ENEC mark
Glow-wire test	Temperature 650 °C, duration 30 s
EU RoHS compliant	Yes

Light Technical	
Luminous Flux	25,500 lm
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	148 lm/W

Coreline Highbay Gen4

Color rendering index (CRI)	>80
Beam angle of light source	90 x 90 degree(s)
Light source color	865 cool daylight
Optic type	Wide beam
Optical cover type	Polycarbonate bowl/cover
Luminaire light beam spread	90°
Unified glare rating CEN	26

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	- W
Average CLO power consumption	- W
Inrush current	64 A
Inrush time	0.75 ms
Power Consumption	172 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

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 material	Polycarbonate
Fixation material	Aluminum
Housing Color	Gray
Optical cover finish	Clear
Overall height	90 mm
Overall diameter	510 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
Photobiological risk	Photobiological risk group 0 @200mm to EN62778

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

Order product name	BY122P G4 LED250S/865 PSU WB
Full product name	BY122P G4 LED250S/865 PSU WB
Full product code	871016333667100
Order code	911401578651
Material Nr. (12NC)	911401578651
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8710163336671
Numerator - Packs per outer box	1
EAN/UPC - Case	8710163336671

Coreline Highbay Gen4

Dimensional drawing