



# Coreline Highbay Gen4

## BY122P G4 LED250/860 PSD NB

Coreline Highbay Gen4, 183 W, 25500 lm, 6500 K, DALI, 55°, 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 Technical	
Light source replaceable	No	Luminous Flux	25,500 lm
Number of gear units	2 units	Correlated Color Temperature (Nom)	6500 K
Driver included	Yes	Luminous Efficacy (rated) (Nom)	139 lm/W
Light source engine type	LED	Flammability mark	For mounting on easily flammable surfaces
Service tag	Yes	ENEC mark	ENEC mark
Value ladder	Performance	Glow-wire test	Temperature 650 °C, duration 30 s
CE mark	CE mark	EU RoHS compliant	Yes
Warranty period	5 years		

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Color rendering index (CRI)	>80
Beam angle of light source	55 degree(s)
Light source color	865 cool daylight
Optic type	Narrow beam
Optical cover type	Polycarbonate bowl/cover
Luminaire light beam spread	55°
Unified glare rating CEN	22

## 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	60 A
Inrush time	0.6 ms
Power Consumption	183 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	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
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	464 mm

Overall diameter	510 mm
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## 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	1%
Suitable for random switching	Yes

## Product Data

Order product name	BY122P G4 LED250S/865 PSD NB
Full product name	BY122P G4 LED250/860 PSD NB
Full product code	871016333881100
Order code	33881100
Material Nr. (12NC)	911401582251
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8710163338811
Numerator - Packs per outer box	1
EAN/UPC - Case	8710163338811

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## Dimensional drawing

