



# Coreline Highbay Gen4

## **BY122P G4 LED250S/840 PSD NB**

Coreline Highbay Gen4, 183 W, 25500 lm, 4000 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 source replaceable	No
Number of gear units	2 units
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)	4000 K
Luminous Efficacy (rated) (Nom)	139 lm/W

Datasheet, 2023, December 4 data subject to change

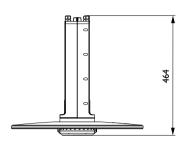
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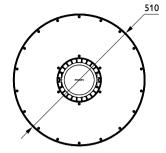
Color rendering index (CRI)	>80
Beam angle of light source	55 degree(s)
Light source color	840 neutral white
Optic type	Narrow beam
Optical cover type	Polycarbonate bowl/cover
Luminaire light beam spread	55°
Unified glare rating CEN	22
Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	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
Controls and Dimming	
Tomas and Dimining	
Dimmable	Yes
Dimmable	
Dimmable Driver/power unit/transformer	Power supply unit with DALI interface
Dimmable Driver/power unit/transformer Control interface	Power supply unit with DALI interface
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Dimmable Driver/power unit/transformer Control interface Constant light output	Power supply unit with DALI interface
Dimmable Driver/power unit/transformer Control interface Constant light output  Mechanical and Housing	Power supply unit with DALI interface DALI No
Dimmable Driver/power unit/transformer Control interface Constant light output  Mechanical and Housing Housing Material	Power supply unit with DALI interface DALI No
Dimmable Driver/power unit/transformer Control interface Constant light output  Mechanical and Housing Housing Material Reflector material	Power supply unit with DALI interface DALI No Aluminum -
Dimmable Driver/power unit/transformer Control interface Constant light output  Mechanical and Housing Housing Material Reflector material Optic material	Power supply unit with DALI interface DALI No Aluminum - Polycarbonate
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Dimmable Driver/power unit/transformer Control interface Constant light output  Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material	Power supply unit with DALI interface DALI No Aluminum - Polycarbonate Polycarbonate Aluminum

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	(0.38, 0.38) 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	5 %
50000 h	
Lumen maintenance at median useful life*	L80
50000 h	
<b>Application Conditions</b>	
Performance ambient temperature Tq	35 ℃
Maximum dim level	1%
Suitable for random switching	Yes
Product Data	
Order product name	BY122P G4 LED250S/840 PSD NB
Full product name	BY122P G4 LED250S/840 PSD NB
Full product code	871016333879800
Order code	911401582051
Material Nr. (12NC)	911401582051
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8710163338798
Numerator - Packs per outer box	1
EAN/UPC - Case	8710163338798

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### Dimensional drawing







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