



CoreLine Highbay Gen5

BY122X G5 LED250S/840 SIA WB H4

CoreLine Highbay Gen5, 166 W, 25000 lumen, 4000 K, Wireless, Interact Ready, Wide beam, H4, IP65, IK05

CoreLine Highbay Gen5 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 Gen5 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
Connectivity	Interact Ready
Lighting Technology	LED
Embedded control	Sensor SNH (R) 210
CE mark	Yes
Warranty period	5 years

Flammability mark	For mounting on normally flammable surfaces
ENEC mark	ENEC mark
Glow-wire test	Temperature 650 °C, duration 30 s
EU RoHS compliant	Yes
Light Technical	
Luminous Flux	25,000 lumen
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	4000 K

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Luminous Efficacy (rated) (Nom)	151 lm/W
Color rendering index (CRI)	>80
Flickering value (PstLM)	0.5
Stroboscopic effect value (SVM)	1
Light source color	840 neutral white
Optic type	Wide beam
Luminaire light beam spread	85° x 85°
Unified glare rating CEN	25

Operating and Electrical

Line Frequency	50 or 60 Hz
Input Voltage	220 to 240 V
Inrush current	5.1 A
Inrush time	760 ms
Power Consumption	166 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	6

Temperature

Ambient temperature range	-30 to +50 °C
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Controls and Dimming

Dimmable	Wireless Dim
Driver/power unit/transformer	Sensor ready driver Interact System ready
Control interface	Wireless
Constant light output	No

Mechanical and Housing

Housing Material	Aluminum die-cast
Reflector material	-
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	-
Housing Color	Gray
Optical cover/lens finish	Clear
Overall length	530 mm
Overall width	393 mm
Overall height	126 mm
Overall diameter	393 mm
Dimensions (Height x Width x Depth)	126 x 393 x 530 mm

Approval and Application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK05 [0.7 J]
Sustainability rating	-
Protection class IEC	Safety class I
Photobiological risk	Photobiological risk group 1 @200mm to EN62778
Photobiological risk specification	18.2 m

Initial Performance (IEC Compliant)

Initial chromaticity	(0.385, 0.380) SDCM<5
Luminous flux tolerance	+/-10%
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50000 h	5 %
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 50000 h	L85
Lumen maintenance at median useful life* 100000 h	L75

Application Conditions

Maximum dim level	1%
Performance ambient temperature Tq	35 °C
Suitable for random switching	Yes

Product Data

Full product code	871951495595000
Order product name	BY122X G5 LED250S/840 SIA WB H4
EAN/UPC - Product	8719514955950
Order code	911401632108
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	911401632108
Full product name	BY122X G5 LED250S/840 SIA WB H4
EAN/UPC - Case	8719514955950
EAN/UPC - Product/Case	8719514955950

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Dimensional drawing

