CoreLine Highbay Gen5

BY122P G5 LED250S/840 PSD WB

CoreLine Highbay Gen5, 168 W, 25000 lm, 4000 K, DALI, Wide beam, IP65, IK08

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	2 units
Driver included	Yes
Lighting Technology	LED
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

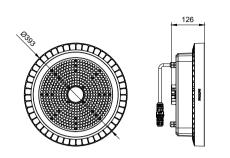|	
Luminous Flux	25,000 lm
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	149 lm/W
Color rendering index (CRI)	>80

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Flickering value (PstLM) – Flickering value as per EN 61000-3-3	0.5
Stroboscopic effect visibility measure (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

Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Inrush current	60 A
Inrush time	600 ms
Power Consumption	168 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

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 die-cast
Reflector material	–
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	–
Housing Color	Grey
Optical cover finish	Clear
Overall length	393 mm
Overall height	126 mm
Overall diameter	393 mm

Approval and Application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]

Mech. impact protection code	IK08 [5 J vandal-protected]
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)

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

Performance ambient temperature Tq	35 °C
Maximum dim level	20%
Suitable for random switching	Yes

Product Data

Order product name	BY122P G5 LED250S/840 PSD WB
Full product name	BY122P G5 LED250S/840 PSD WB
Full product code	871951495587500
Order code	911401631308
Material Nr. (12NC)	911401631308
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8719514955875
Numerator – Packs per outer box	1
EAN/UPC – Case	8719514955875

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Dimensional drawing

Ø393

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