CoreLine Highbay Gen5

BY122P G5 LED250S/865 PSU WB

CoreLine Highbay Gen5, 157 W, 25000 lumen, 6500 K, 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
CE mark	Yes
Number of gear units	1 unit
Driver included	Yes
Flammability mark	For mounting on normally flammable surfaces
Glow-wire test	Temperature 650 °C, duration 30 s
Warranty period	5 years
Lighting Technology	LED

ENEC mark	ENEC mark
EU RoHS compliant	Yes

Application Conditions

Maximum dim level	Not applicable
Performance ambient temperature Tq	35 °C
Suitable for random switching	Yes

Light Technical

Luminous Flux	25,000 lumen

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Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	159 lm/W
Color rendering index (CRI)	>80
Flickering value (PstLM)	0.5
Stroboscopic effect value (SVM)	1
Light source color	865 cool daylight
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	54 A
Inrush time	750 ms
Power Consumption	157 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	No
Driver/power unit/transformer	Power supply unit (On/Off)
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	393 mm
Overall height	99 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)

Initial chromaticity	(0.316, 0.332) 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

Product Data

Full product code	871951495585100
Order product name	BY122P G5 LED250S/865 PSU WB
EAN/UPC – Product	8719514955851
Order code	911401631108
Numerator – Quantity Per Pack	1
Numerator – Packs per outer box	1
Material Nr. (12NC)	911401631108
Full product name	BY122P G5 LED250S/865 PSU WB
EAN/UPC – Case	8719514955851

Dimensional drawing

Ø393   99

www.lighting.philips.com

2023, September 5 – data subject to change