



CoreLine Highbay Gen5

BY121P G5 LED200S/840 PSU NB

- Power supply unit - Beam angle 55° - 55°

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 savings on energy 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 colour	840 neutral white	Protection class IEC	Safety class I
Light source replaceable	No	Glow-wire test	Temperature 650 °C, duration 30 s
Number of gear units	Unit	Flammability mark	For mounting on normally flammable surfaces
Driver/power unit/transformer	Power supply unit	CE mark	Yes
Driver included	Yes	ENEC mark	ENEC mark
Optic type	Beam angle 55°	Warranty period	5 years
Luminaire light beam spread	55°	Constant light output	No
Control interface	-	Number of products on MCB of 16 A type B	6
Connection	Connection unit 3-pole	Photobiological risk	Photobiological risk group 1 @200mm to EN62778
Cable	Cable 0.3 m with connector 3-pole		

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Photobiological risk specification	18.2 m
EU RoHS compliant	Yes
Unified Glare Rating (CEN)	22
Lighting Technology	LED
Brand	Philips

Light technical

Luminous Flux	20,000 lm
Saturated Red (R9)	<50
Luminous Efficacy (rated) (Nom)	159 lm/W
Colour rendering index (CRI)	>80
Flickering	0.5
Stroboscopic effect	1

Operating and electrical

Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Input frequency	50 or 60 Hz
Power Consumption	126 W
Inrush current	40 A
Inrush time	600 ms
Power Factor (Fraction)	0.95

Temperature

Ambient temperature range	-30 to +50 °C
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Mechanical and housing

Housing material	Aluminium die-cast
Reflector material	-
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	-
Housing Colour	Dark grey
Optical cover/lens finish	Clear
Overall height	99 mm
Overall diameter	330 mm

Approval and application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
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Mech. impact protection code	IK08 [5 J vandal-protected]
Sustainability rating	-

Initial performance (IEC compliant)

Luminous flux tolerance	+/-10%
Init. Corr. Colour Temperature	4000 K
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 50,000 h	5 %
Control gear failure rate at median useful life 100,000 h	10 %
Lumen maintenance at median useful life* 50,000 h	L85
Lumen maintenance at median useful life* 100,000 h	L65

Application conditions

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

Product data

Full EOC	871951495568400
Order product name	BY121P G5 LED200S/840 PSU NB
EAN/UPC – product	8719514955684
Order code	95568400
SAP numerator – quantity per pack	1
Numerator – packs per outer box	1
Material number (12NC)	911401629408
Net weight	2.690 kg
Full product name	BY121P G5 LED200S/840 PSU NB
EAN/UPC – Case	8719514955684



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Dimensional drawing

