



CoreLine Highbay Gen5

BY120P G5 LED105S/840 PSU WB

Power supply unit - Beam angle 84° - 85° x 85°

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
Light source replaceable	No
Number of gear units	1 unit
Driver/power unit/transformer	PSU [Power supply unit]
Driver included	Yes
Optic type	Beam angle 84°
Luminaire light beam spread	85° x 85°
Control interface	-
Connection	Connection unit 3-pole
Cable	Cable 0.3 m with connector 3-pole
Protection class IEC	Safety class I
Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	F [For mounting on normally flammable surfaces]
CE mark	Yes
ENEC mark	ENEC mark
Warranty period	5 years
Constant light output	No
Number of products on MCB (16 A type B)	6
Photobiological risk	Photobiological risk group 1 @200mm to EN62778

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Photobiological risk specification	18.2 m
EU RoHS compliant	Yes
Unified glare rating CEN	25

Light technical

Saturated Red	<50
Flickering	0.5
Stroboscopic effect	1

Operating and electrical

Input Voltage	220 to 240 V
Input frequency	50 or 60 Hz
Inrush current	40 A
Inrush time	600 ms
Power factor (min.)	0.95

Controls and dimming

Dimmable	No
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Mechanical and housing

Housing material	Aluminium die-cast
Reflector material	-
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	-
Optical cover/lens finish	Clear
Overall height	90 mm
Overall diameter	290 mm
Colour	Dark Grey
Dimensions (height x width x depth)	90 x NaN x NaN mm

Approval and application

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

Initial performance (IEC compliant)

Initial luminous flux (system flux)	10500 lm
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Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	157 lm/W
Init. Corr. Colour Temperature	4000 K
Init. Colour rendering index	>80
Initial chromaticity	(0.385, 0.380) SDCM<5
Initial input power	67 W
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

Ambient temperature range	-30 to +50 °C
Performance ambient temperature Tq	35 °C
Maximum dimming level	Not applicable
Suitable for random switching	Yes

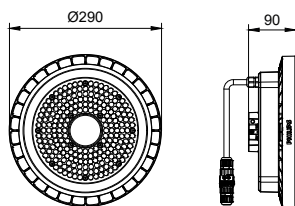
Product data

Full product code	871951495567700
Order product name	BY120P G5 LED105S/840 PSU WB
EAN/UPC – product	8719514955677
Order code	95567700
SAP numerator – quantity per pack	1
Numerator – packs per outer box	1
SAP material	911401629308
Net Weight (Piece)	1.990 kg



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Dimensional drawing



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