



Coreline Highbay Gen4

BY120P G4 LED100S/865 PSU WB

- 865 cool daylight - Power supply unit (ON/OFF) - Wide beam

CoreLine Highbay Gen4 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 Gen4 is ready to be used with any Interact connected lighting system.

Product data

General Information		Color rendering index (CRI)	
Light source replaceable	No		>80
Number of gear units	1 unit	Beam angle of light source	90 x 90 degree(s)
Driver included	Yes	Light source color	865 cool daylight
Light source engine type	LED	Optic type	Wide beam
Value ladder	Performance	Optical cover/lens type	Polycarbonate bowl/cover
		Luminaire light beam spread	90°
		Unified glare rating CEN	24
Light Technical		Operating and Electrical	
Luminous Flux	10,500 lumen	Input Voltage	220 to 240 V
Correlated Color Temperature (Nom)	6500 K	Line Frequency	50 to 60 Hz
Luminous Efficacy (rated) (Nom)	152 lm/W		

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Input Frequency	50 to 60 Hz
Initial CLO power consumption	- W
Average CLO power consumption	- W
Inrush current	54 A
Inrush time	0.65 ms
Power Consumption	69 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	8

Temperature

Ambient temperature range	-30 to +45 °C
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Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	No

Mechanical and Housing

Housing Material	Aluminum
Reflector material	-
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	Aluminum
Housing Color	Gray
Optical cover/lens finish	Clear
Overall height	95 mm
Overall diameter	385 mm

Approval and Application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK07 [2 J reinforced]
Protection class IEC	Safety class I
Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	For mounting on easily flammable surfaces

CE mark	CE mark
ENEC mark	ENEC mark
Warranty period	5 years
Photobiological risk	Photobiological risk group 0 @200mm to EN62778
EU RoHS compliant	Yes

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.31, 0.32 SDCM <5
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

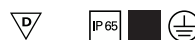
Driver failure rate at 5000 h	0.3 %
Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance at median useful life* 50000 h	L80

Application Conditions

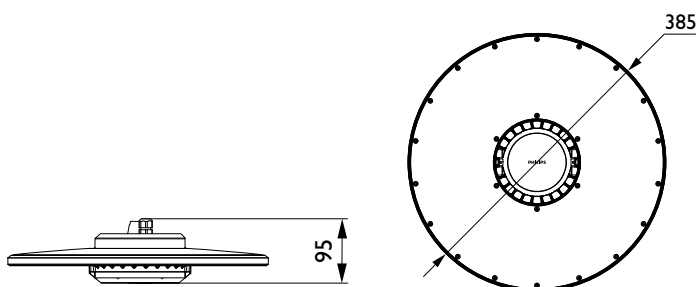
Performance ambient temperature Tq	35 °C
Maximum dim level	Not applicable
Suitable for random switching	Yes

Product Data

Full product code	871016333566700
Order product name	BY120P G4 LED100S/865 PSU WB
EAN/UPC - Product	8710163335667
Order code	911401575351
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material number (12NC)	911401575351
Full product name	BY120P G4 LED100S/865 PSU WB
EAN/UPC - Case	8710163335667



Dimensional drawing



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