



Coreline Highbay Gen4

BY120P G4 LED100S/865 PSU WB

865 cool daylight - Power supply unit - Wide beam - Gray

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

Product data

General Information		Connection	CU3 [Connection unit 3-pole]
Beam angle of light source	90 x 90 °	Cable	Cable 0.3 m with connector 3-pole
Light source colour	865 cool daylight	Protection class IEC	Safety class I (I)
Light source replaceable	No	Glow-wire test	650/30 [Temperature 650 °C, duration 30 s]
Number of gear units	1 unit	Flammability mark	D [For mounting on easily flammable surfaces]
Driver/power unit/transformer	PSU [Power supply unit]	CE mark	CE mark
Driver included	Yes	ENEC mark	ENEC mark
Optic type	WB [Wide beam]	Warranty period	5 years
Optical cover/lens type	PC [Polycarbonate bowl/cover]	Constant light output	No
Luminaire light beam spread	90°		
Control interface	-		

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Number of products on MCB (16 A type B)	8
Photobiological risk	Photobiological risk group 0 @ 200mm to EN62471
EU RoHS compliant	Yes
Light source engine type	LED
Unified glare rating CEN	24

Operating and Electrical

Input Voltage	220 to 240 V
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 factor (min.)	0.95

Controls and Dimming

Dimmable	No
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Mechanical and Housing

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

Approval and Application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK07 [2 J reinforced]

Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	10500 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	152 lm/W
Init. Corr. Colour Temperature	6500 K
Init. Colour rendering index	>80
Initial chromaticity	(0.31, 0.32 SDCM <5
Initial input power	69 W
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

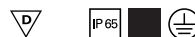
Control gear failure rate at median useful life 50,000 h	5 %
Lumen maintenance at median useful life* 50,000 h	L80

Application Conditions

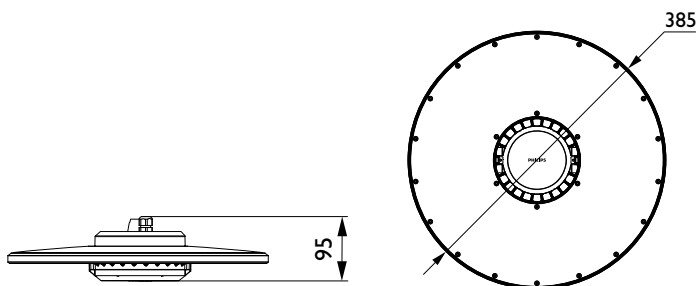
Ambient temperature range	-30 to +45 °C
Performance ambient temperature Tq	35 °C
Maximum dimming level	Not applicable
Suitable for random switching	Yes

Product Data

Full product code	871016333566700
Order product name	BY120P G4 LED100S/865 PSU WB
EAN/UPC – product	8710163335667
Order code	33566700
SAP numerator – quantity per pack	1
Numerator – packs per outer box	1
SAP material	911401575351
SAP net weight (piece)	3.300 kg



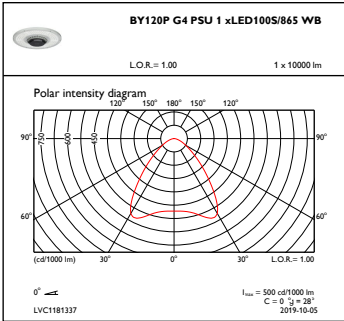
Dimensional drawing



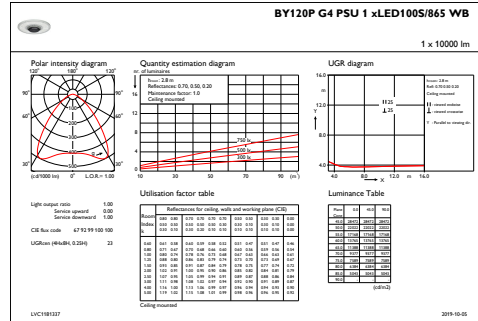
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Photometric data



OFPC1_BY120PG4PSU1xLED100S865WB



IFGU1_BY120PG4PSU1xLED100S865WB

