



# Coreline Highbay Gen4

## BY120P G4 LED100S/865 PSU WB

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

Following the success of the previous-generation CoreLine High-bay, the upgrade to a new generation further improves performance with new innovation design and provides higher efficiency, longer lifetime (to further improve the total cost of ownership) and optional DALI dimming for even further savings. Designed as a replacement for HPI 250/400 W luminaires, CoreLine High-bay G4 offers customers all the benefits of LED lighting – fresh light quality, longer service lifetime, reduced energy consumption and less maintenance – from a trusted manufacturer. At the same time, it delivers clear benefits for the installer too. The luminaire can be installed on the existing grid; electrical connection is straightforward – there is no need to open the luminaire for installation or servicing; and being smaller and lighter than conventional luminaires, it is very easy to handle

### Product data

General Information		Connection	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
Light source replaceable	No	Glow-wire test	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	-
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° x 90°	Number of products on MCB (16 A type B)	8
Control interface	-		

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

## 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	10000 lm
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Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	145 lm/W
Init. Corr. Colour Temperature	6500 K
Init. Colour rendering index	>80
Initial chromaticity	(0.307, 0.323 SDCM <5
Initial input power	69 W
Power consumption tolerance	+/-10%

## Over Time Performance (IEC Compliant)

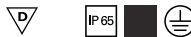
Control gear failure rate at median useful life 5 % 50,000 h	
Lumen maintenance at median useful life* 50,000 h	L80

## Application Conditions

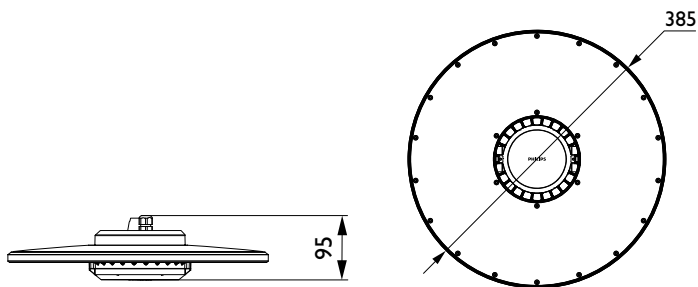
Ambient temperature range	-30 to +45 °C
Performance ambient temperature Tq	25 °C
Maximum dimming level	Not applicable
Suitable for random switching	Yes

## Product Data

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



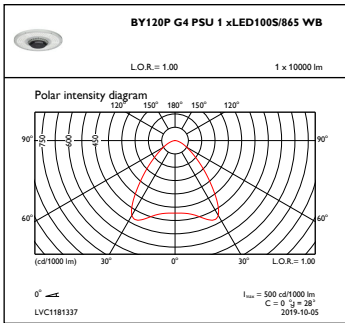
## Dimensional drawing



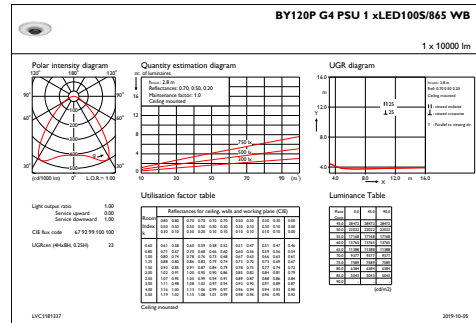
CoreLine High-bay BY120P/BY121P

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## Photometric data



OFPC1\_BY120PG4PSU1xLED100S865WB



IFGU1\_BY120PG4PSU1xLED100S865WB

