



Coreline Highbay Gen4

BY120P G4 LED100S/840 PSU WB

840 neutral white - Power supply unit - Wide beam - Gray

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			
Beam angle of light source	90 x 90 °	Connection	Connection unit 3-pole
Light source color	840 neutral white	Cable	Cable 0.3 m with connector 3-pole
Light source replaceable	No	Protection class IEC	Safety class I
Number of gear units	1 unit	Glow-wire test	Temperature 650 °C, duration 30 s
Driver/power unit/transformer	Power supply unit	Flammability mark	For mounting on normally flammable surfaces
Driver included	Yes	CE mark	CE mark
Optic type	Wide beam	ENEC mark	-
Optical cover/lens type	Polycarbonate bowl/cover	Warranty period	5 years
Luminaire light beam spread	90° x 90°	Constant light output	No
Control interface	-	Number of products on MCB of 16 A type B	8

Coreline Highbay Gen4

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	-
Optical cover/lens finish	Clear
Overall height	95 mm
Overall diameter	385 mm
Color	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)	10000 lm
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Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	145 lm/W
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	>80
Initial chromaticity	(0.38, 0.38) 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 %
50000 h	
Median useful life L70B50	70000 h
Lumen maintenance at median useful life*	L80
50000 h	

Application Conditions

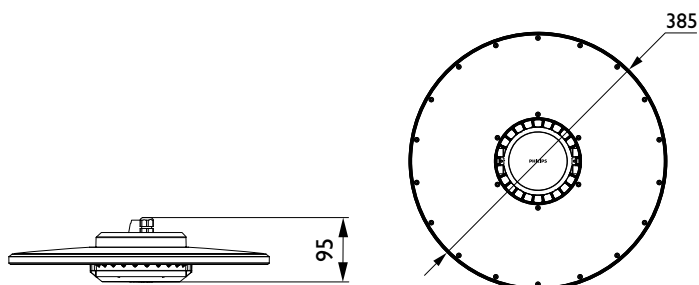
Ambient temperature range	-30 to +45 °C
Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable
Suitable for random switching	Yes

Product Data

Full product code	871016333570400
Order product name	BY120P G4 LED100S/840 PSU WB
EAN/UPC - Product	8710163335704
Order code	911401569951
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	911401569951
Net Weight (Piece)	3.300 kg

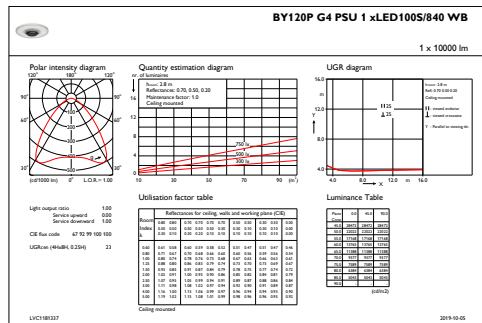


Dimensional drawing

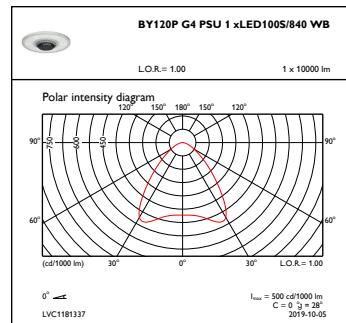


CoreLine High-bay BY120P/BY121P

Photometric data



IFGU1_BY120PG4PSU1xLED100S840WB



OFPC1_BY120PG4PSU1xLED100S840WB

