



# Coreline Highbay Gen4

## BY120P G4 LED100S/840 PSU NB

840 neutral white - Power supply unit - Narrow 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			
Beam angle of light source	55 °	Connection	CU3 [ Connection unit 3-pole]
Light source colour	840 neutral white	Cable	Cable 0.3 m with connector 3-pole
Light source replaceable	No	Protection class IEC	Safety class I (I)
Number of gear units	1 unit	Glow-wire test	650/30 [ Temperature 650 °C, duration 30 s]
Driver/power unit/transformer	PSU [ Power supply unit]	Flammability mark	D [ For mounting on easily flammable surfaces]
Driver included	Yes	CE mark	CE mark
Optic type	NB [ Narrow beam]	ENEC mark	ENEC mark
Optical cover/lens type	PC [ Polycarbonate bowl/cover]	Warranty period	5 years
Luminaire light beam spread	55°	Constant light output	No
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	22

## 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	4000 K
Init. Colour 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 50,000 h	5 %
Lumen maintenance at median useful life* 50,000 h	L80

## Application Conditions

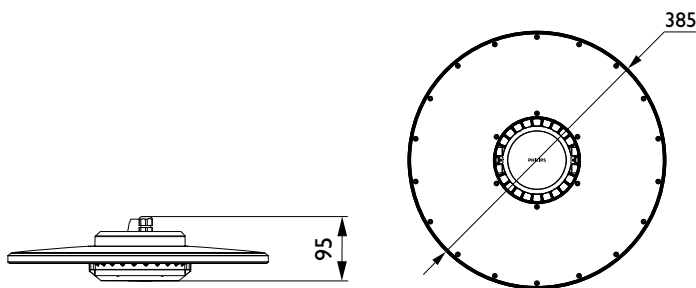
Ambient temperature range	-30 to +45 °C
Performance ambient temperature Tq	35 °C
Maximum dimming level	Not applicable
Suitable for random switching	Yes

## Product Data

Full product code	871016333571100
Order product name	BY120P G4 LED100S/840 PSU NB
EAN/UPC – product	8710163335711
Order code	33571100
SAP numerator – quantity per pack	1
Numerator – packs per outer box	1
SAP material	911401569851
SAP net weight (piece)	3.300 kg

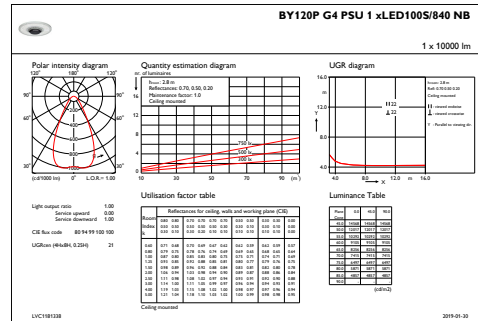
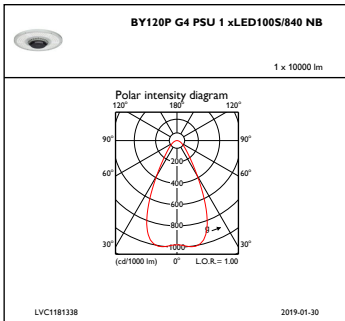


## Dimensional drawing



BY120P G4 LED100S/840 PSU NB

## Photometric data



IFPC1\_BY120PG4PSU1xLED100S840NB

IFGU1\_BY120PG4PSU1xLED100S840NB

