



# Coreline Highbay Gen4

## BY120P G4 LED100S/840 PSU NB

840 neutral white - Power supply unit - Narrow 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	55 °	Cable	Cable 0.3 m with connector 3-pole
Light source colour	840 neutral white	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	F [ For mounting on normally flammable surfaces]
Driver/power unit/transformer	PSU [ Power supply unit]	CE mark	CE mark
Driver included	Yes	ENEC mark	-
Optic type	NB [ Narrow beam]	Warranty period	5 years
Optical cover/lens type	PC [ Polycarbonate bowl/cover]	Constant light output	No
Luminaire light beam spread	55°	Number of products on MCB	8
Control interface	-		

# Coreline Highbay Gen4

LED 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
----------	----

## 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
-----------------------	----------

Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	145 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 %
Median useful life L70B50	70000 h
Lumen maintenance at median useful life* 50,000 h	L80

## Application Conditions

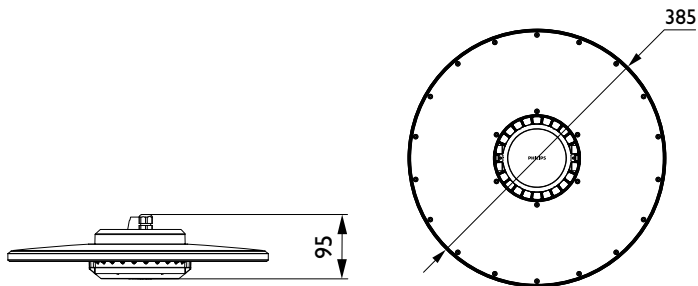
Ambient temperature range	-30 to +45 °C
Performance ambient temperature Tq	25 °C
Maximum dimming level	Not applicable
Suitable for random switching	Yes

## Product Data

Full product code	871016333571100
Order product name	BY120P G4 LED100S/840 PSU NB
EAN/UPC – product	8710163335711
Order code	33571100
Numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (12NC)	911401569851
Net weight (piece)	3.300 kg



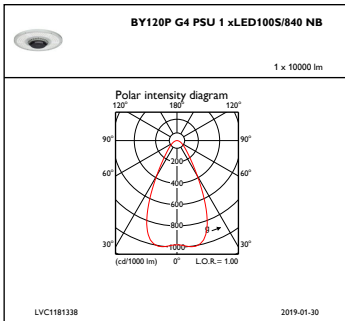
## Dimensional drawing



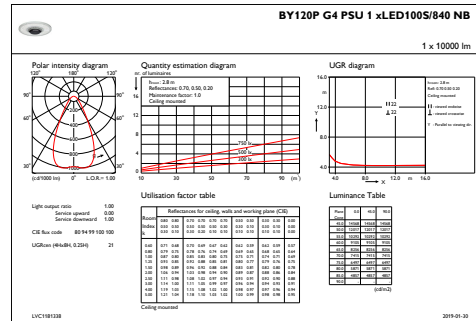
CoreLine High-bay BY120P/BY121P

# Coreline Highbay Gen4

## Photometric data



IFPC1\_BY120PG4PSU1xLED100S840NB



IFGU1\_BY120PG4PSU1xLED100S840NB

