



Coreline Highbay Gen4

BY121P G4 LED200S/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	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	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 (16 A type B)	8
Control interface	-		

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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	Aluminium
Reflector material	-
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	-
Optical cover/lens finish	Clear
Overall height	95 mm
Overall diameter	450 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 (system flux)	20000 lm
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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	138 W
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

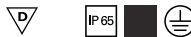
Control gear failure rate at median useful life 50,000 h	5 %
Lumen maintenance at median useful life* 50,000 h	L80

Application Conditions

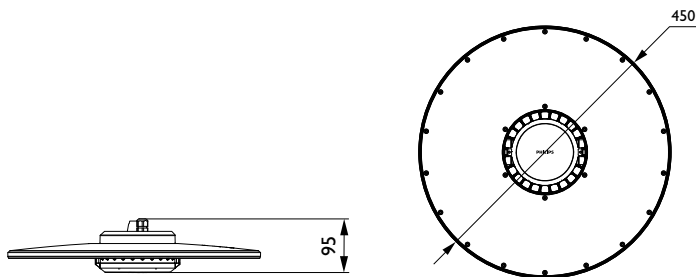
Ambient temperature range	-30 to +45 °C
Performance ambient temperature Tq	25 °C
Maximum dimming level	Not applicable
Suitable for random switching	Yes

Product Data

Full product code	871016333569800
Order product name	BY121P G4 LED200S/840 PSU NB
EAN/UPC – product	8710163335698
Order code	33569800
SAP numerator – quantity per pack	1
Numerator – packs per outer box	1
SAP material	911401570051
SAP net weight (piece)	4.700 kg



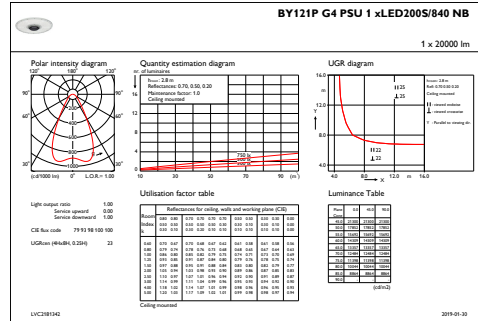
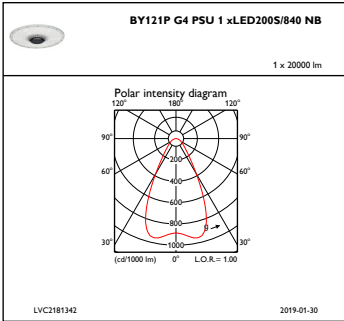
Dimensional drawing



CoreLine High-bay BY120P/BY121P

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Photometric data



IFPC1_BY121PG4PSU1xLED200S840NB

IFGU1_BY121PG4PSU1xLED200S840NB

