



Coreline Highbay Gen4

BY121P G4 LED200S/840 PSD WB

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

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Constant light output	No
Number of products on MCB of 16 A type B	13
EU RoHS compliant	Yes
Light source engine type	LED
Service tag	Yes
Unified glare rating CEN	26

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	53 A
Inrush time	0.3 ms
Power Factor (Min)	0.95

Controls and Dimming

Dimmable	Yes
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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	445 mm
Overall diameter	450 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)	20000 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	137 lm/W
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	>80
Initial chromaticity	(0.38, 0.38) SDCM <5
Initial input power	146 W
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

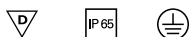
Control gear failure rate at median useful life 50000 h	5 %
Median useful life L70B50	70000 h
Lumen maintenance at median useful life* 50000 h	L80

Application Conditions

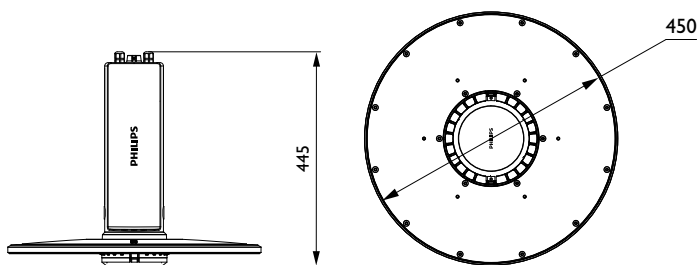
Ambient temperature range	-30 to +45 °C
Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	Yes

Product Data

Full product code	871016333699200
Order product name	BY121P G4 LED200S/840 PSD WB
EAN/UPC - Product	8710163336992
Order code	911401574751
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	911401574751
Net Weight (Piece)	7.700 kg



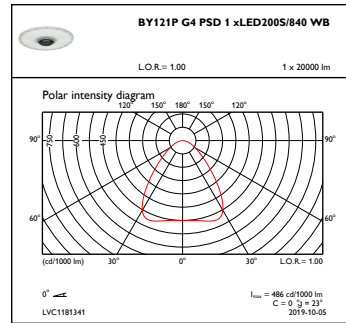
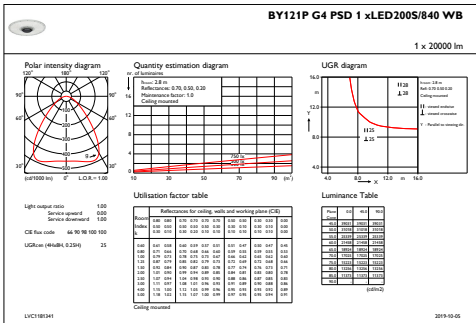
Dimensional drawing



CoreLine High-bay BY120P/BY121P

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Photometric data



IFGU1_BY121PG4PSD1xLED200S840WB

OFPC1_BY121PG4PSD1xLED200S840WB

