



Coreline Highbay Gen4

BY121P G4 LED200S/865 PSD WB

865 cool daylight - Power supply unit with DALI interface - Wide 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	
Beam angle of light source	90 x 90 °
Light source colour	865 cool daylight
Light source replaceable	No
Number of gear units	1 unit
Driver/power unit/transformer	PSD [Power supply unit with DALI interface]
Driver included	Yes
Optic type	WB [Wide beam]
Optical cover/lens type	PC [Polycarbonate bowl/cover]

Luminaire light beam spread	90° x 90°
Control interface	DALI
Connection	Connection unit 3-pole
Cable	Cable 0.3 m with connector 3-pole
Protection class IEC	Safety class I
Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	F [For mounting on normally flammable surfaces]
CE mark	CE mark
ENEC mark	-

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Warranty period	5 years
Constant light output	No
Number of products on MCB	13
RoHS mark	RoHS mark
LED engine type	LED
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	Aluminium
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
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	20000 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	137 lm/W
Init. Corr. colour temperature	6500 K
Init. colour rendering index	>80
Initial chromaticity	(0.307, 0.323 SDCM <5)
Initial input power	146 W
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

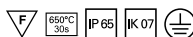
Control gear failure rate at median useful life 50000 h	5 %
Median useful life L70B50	70000 h
Lumen maintenance at median useful life* 50000 h	L80

Application Conditions

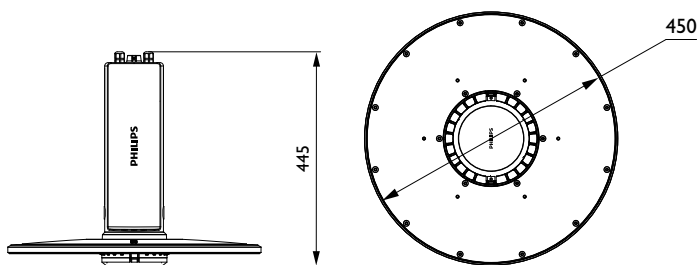
Ambient temperature range	-30 to +45 °C
Performance ambient temperature Tq	25 °C
Maximum dimming level	1%
Suitable for random switching	Yes

Product Data

Full product code	871016333701200
Order product name	BY121P G4 LED200S/865 PSD WB
EAN/UPC – product	8710163337012
Order code	33701200
Numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (12NC)	911401575951
Net weight (piece)	7.700 kg



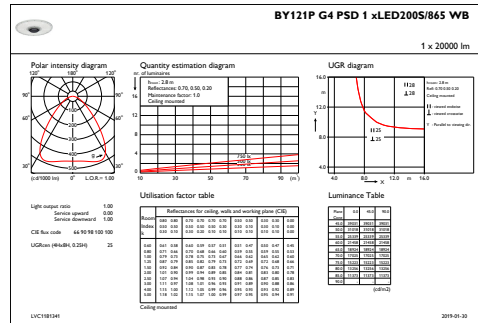
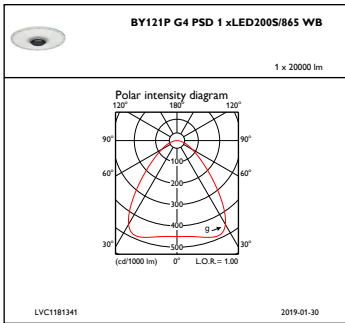
Dimensional drawing



CoreLine High-bay BY120P/BY121P

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Photometric data



IFPC1_BY121PG4PSD1xLED200S865WB

IFGU1_BY121PG4PSD1xLED200S865WB

