CoreLine Highbay

BY120P G4 LED100S/865 PSD NB

865 cool daylight - Power supply unit with DALI interface - Narrow beam - Gray

Following the successful introduction of the CoreLine High-bay in 2013, the upgrade to a new generation further improves the total cost of ownership and provides optionally DALI dimming for even further savings. Designed as a replacement for HPI 250/400 W luminaires, CoreLine High-bay G3 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	55 °
Light source color	865 cool daylight
Light source replaceable	No
Number of gear units	1 unit
Driver/power unit/transformer	Power supply unit with DALI interface
Driver included	Yes
Optic type	Narrow beam
Luminaire light beam spread	55°
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	For mounting on normally flammable surfaces
CE mark	CE mark
ENEC mark	-
Warranty period	5 years
Constant light output	No
Number of products on MCB of 16 A type B	13
RoHS mark	RoHS mark
Unified glare rating CEN	22

Operating and Electrical	
Input Voltage	220 to 240 V

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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

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	385 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)	10000 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	137 lm/W
Init. Corr. Color Temperature	6500 K
Init. Color Rendering Index	>80
Initial chromaticity	(0.307, 0.323 SDCM <5
Initial input power	73 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

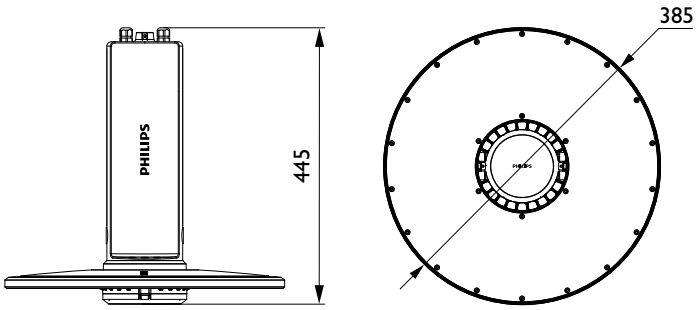
Application Conditions

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	871016333704300
Order product name	BY120P G4 LED100S/865 PSD NB
EAN/UPC - Product	8710163337043
Order code	911401575651
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	911401575651
Net Weight (Piece)	6.000 kg

Dimensional drawing



CoreLine High-bay BY120P/BY121P

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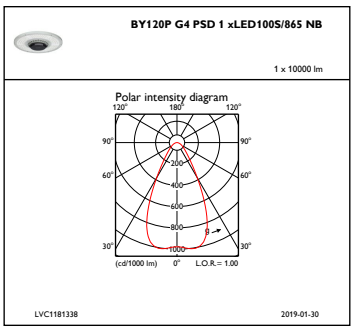
Photometric data



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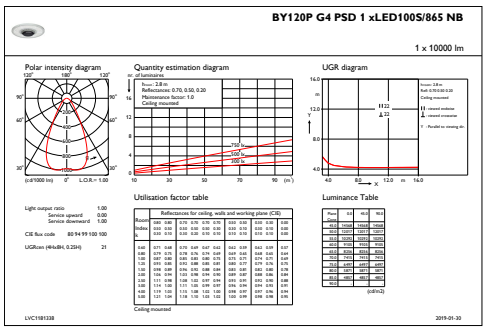

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