



# CoreLine Highbay

## BY120P G3 LED105S/840 PSU WB GR

Generation 3 - LED module, system flux 10500 lm - 840 neutral white - Power supply unit - Wide 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			
Number of light sources	1 pc	Control interface	-
Lamp family code	LED105S [ LED module, system flux 10500 lm]	Connection	Connection unit 3-pole
Beam angle of light source	- °	Cable	Cable 0.5 m with cable connector 3-pole
Light source color	840 neutral white	Protection class IEC	Safety class I
Light source replaceable	No	Glow-wire test	Temperature 650 °C, duration 5 s
Number of gear units	1 unit	Flammability mark	For mounting on normally flammable surfaces
Driver/power unit/transformer	Power supply unit	CE mark	CE mark
Driver included	Yes	ENEC mark	-
Optic type	Wide beam	Warranty period	3 years + 2 years upon registration
Optical cover/lens type	Polycarbonate bowl/cover	Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen
Luminaire light beam spread	100°		

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	maintenance between B50 and for example B10. Therefore the median useful life (B50) value also represents the B10 value.
Constant light output	No
Number of products on MCB of 16 A type B	11
EU RoHS compliant	Yes
Light source engine type	LED
Service tag	Yes

### Operating and Electrical

Input Voltage	220 to 240 V
Input Frequency	50 to 60 Hz
Control signal voltage	-
Average CLO power consumption	false W
Inrush current	46 A
Inrush time	0.44 ms
Power Factor (Min)	0.9

### Controls and Dimming

Dimmable	No
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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 length	382 mm
Overall width	379 mm
Overall height	141 mm
Overall diameter	379 mm
Diameter	-
Color	Gray

### Approval and Application

Ingress protection code	IP65 [ Dust penetration-protected, jet-proof]
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Mech. impact protection code	IK07 [ 2 J reinforced]
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### Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	10500 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	125 lm/W
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	≥80
Initial chromaticity	(0.38, 0.38) SDCM <5
Initial input power	85 W
Power consumption tolerance	+/-10%

### Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance at median useful life* 50000 h	L70

### Application Conditions

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

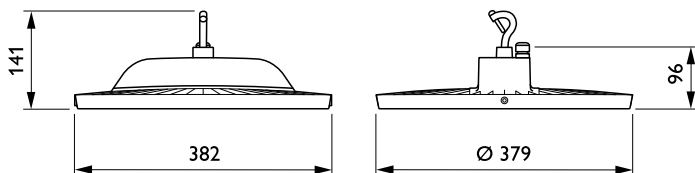
### Product Data

Full product code	871016330144000
Order product name	BY120P G3 LED105S/840 PSU WB GR
EAN/UPC - Product	8710163301440
Order code	911401505331
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	911401505331
Net Weight (Piece)	3.300 kg



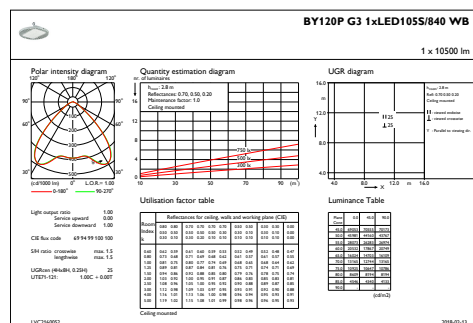
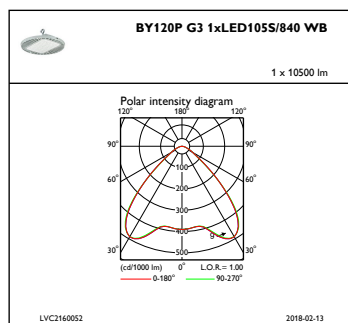
## CoreLine Highbay

## Dimensional drawing



### CoreLine High-bay BY120P/BY121P

## Photometric data



## IFPC1\_BY120PG31xLED105S840WB

## IFGU1\_BY120PG31xLED105S840WB

