



# CoreLine Highbay

## BY120P G3 LED105S/865 PSU WB GR

LED module, system flux 10500 lm - 865 cool daylight - 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		Protection class IEC	Safety class I
Number of light sources	1 pc	Glow-wire test	Temperature 650 °C, duration 5 s
Lamp family code	LED105S [ LED module, system flux 10500 lm]	Flammability mark	For mounting on normally flammable surfaces
Beam angle of light source	- °	CE mark	CE mark
Light source color	865 cool daylight	ENEC mark	-
Light source replaceable	No	Warranty period	3 years + 2 years upon registration
Number of gear units	1 unit	Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example B10. Therefore the median useful life (B50) value also represents the B10 value.
Driver/power unit/transformer	Power supply unit	Constant light output	Yes
Driver included	Yes	Number of products on MCB of 16 A type B	11
Optic type	Wide beam		
Optical cover/lens type	Polycarbonate bowl/cover		
Luminaire light beam spread	100°		
Connection	Connection unit 3-pole		
Cable	Cable 0.5 m with cable connector 3-pole		

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RoHS mark	RoHS mark
<b>Operating and Electrical</b>	
Input Voltage	220 to 240 V
Input Frequency	50 to 60 Hz
Control signal voltage	-
Initial CLO power consumption	85 W
Average CLO power consumption	85 W
Inrush current	46 A
Inrush time	0.44 ms
Power Factor (Min)	0.9
<b>Controls and Dimming</b>	
Dimmable	No
<b>Mechanical and Housing</b>	
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	-
<b>Approval and Application</b>	
Ingress protection code	IP65 [ Dust penetration-protected, jet-proof]
Mech. impact protection code	IK07 [ 2 J reinforced]
<b>Initial Performance (IEC Compliant)</b>	
Initial luminous flux (system flux)	10500 lm

Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	125 lm/W
Init. Corr. Color Temperature	6500 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)

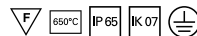
Control gear failure rate at median useful life	5 %
50000 h	
Lumen maintenance at median useful life*	L70
50000 h	

## Application Conditions

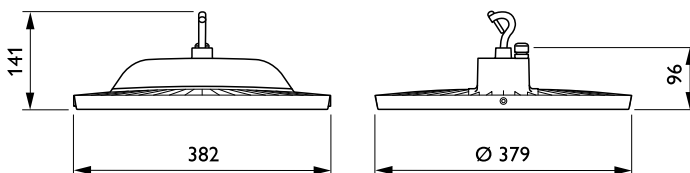
Ambient temperature range	-30 to +45 °C
Performance ambient temperature Tq	25 °C
Suitable for random switching	Yes (relates to presence/ movement detection and daylight harvesting)

## Product Data

Full product code	871016331712000
Order product name	BY120P G3 LED105S/865 PSU WB GR
EAN/UPC - Product	8710163317120
Order code	911401571041
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	911401571041
Net Weight (Piece)	3.300 kg



## Dimensional drawing



CoreLine High-bay BY120P/BY121P

