



# CoreLine Highbay

## BY120P G3 LED105S/840 PIR WB GR

LED module, system flux 10500 lm - 840 neutral white - Power supply unit - Wide beam - Grey

Following the successful introduction of the CoreLine High-bay in 2013, the upgrade to a new generation of LEDs has further improved colour rendering and total cost of ownership. Designed as a replacement for HPI 250/400 W luminaires, CoreLine High-bay offers customers all the benefits of LED lighting – fresh light quality, longer service lifetime, reduced energy consumption and 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 [ 1 pc]	Connection	Connection unit 3-pole
Lamp family code	LED105S [ LED module, system flux 10500 lm]	Cable	Cord 0.5 m with cable connector 3-pole
Beam angle of light source	- °	Protection class IEC	Safety class I
Light source colour	840 neutral white	Glow-wire test	Temperature 650 °C, duration 5 s
Light source replaceable	No	Flammability mark	F [ For mounting on normally flammable surfaces]
Number of gear units	1 unit	CE mark	CE mark
Driver/power unit/transformer	PSU [ Power supply unit]	ENEC mark	-
Driver included	Yes	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.
Optic type	WB [ Wide beam]		
Optical cover/lens type	PC [ Polycarbonate bowl/cover]		
Luminaire light beam spread	100°		
Control interface	-		

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Constant light output	No
Number of products on MCB	11
LED engine type	LED

## Operating and Electrical

Input voltage	220 to 240 V
Input frequency	50 to 60 Hz
Control signal voltage	-
Inrush current	46 A
Inrush time	0.44 ms
Power factor (min.)	0.9

## 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 length	382 mm
Overall width	379 mm
Overall height	141 mm
Overall diameter	379 mm
Diameter	-
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	10500 lm
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Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	129 lm/W
Init. Corr. colour temperature	4000 K
Init. colour 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 50,000 h	5 %
Lumen maintenance at median useful life* 50,000 h	L70

## Application Conditions

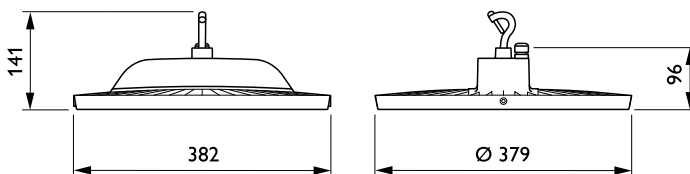
Ambient temperature range	-30 to +45 °C
Performance ambient temperature Tq	25 °C
Maximum dimming level	25%
Suitable for random switching	Yes

## Product Data

Full product code	871016331716800
Order product name	BY120P G3 LED105S/840 PIR WB GR
EAN/UPC – product	8710163317168
Order code	31716800
Numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (12NC)	911401571141
Net weight (piece)	3.300 kg

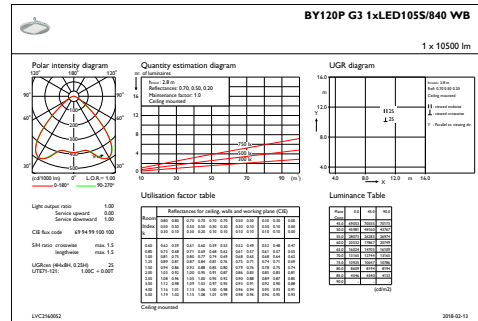
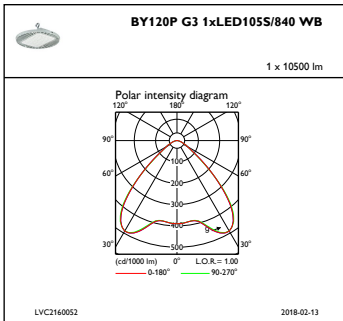


## Dimensional drawing



CoreLine High-bay BY120P/BY121P

## Photometric data



IFPC1\_BY120PG31xLED105S840WB

IFGU1\_BY120PG31xLED105S840WB

