



# CoreLine Highbay

## BY121P G3 LED205S/840 PSD WB GR

Generation 3 - LED module, system flux 20500 lm - 840 neutral white - Power supply unit with DALI interface - 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	LED205S [ LED module, system flux 20500 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	PSD [ Power supply unit with DALI interface]	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
Optic type	WB [ Wide beam]		
Optical cover/lens type	PC [ Polycarbonate bowl/cover]		
Luminaire light beam spread	100°		
Control interface	DALI		

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	the median useful life (B50) value also represents the B10 value.
Constant light output	Yes
Number of products on MCB	8
RoHS mark	RoHS mark
LED engine type	LED

### Operating and Electrical

Input voltage	220 to 240 V
Input frequency	50 to 60 Hz
Control signal voltage	0-16 V DC DALI
Average CLO power consumption	142 W
Inrush current	53 A
Inrush time	0.3 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	454 mm
Overall width	452 mm
Overall height	152 mm
Overall diameter	452 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	20500 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	130 lm/W
Init. Corr. colour temperature	4000 K
Init. colour rendering index	≥80
Initial chromaticity	(0.38, 0.38) SDCM <5
Initial input power	155 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

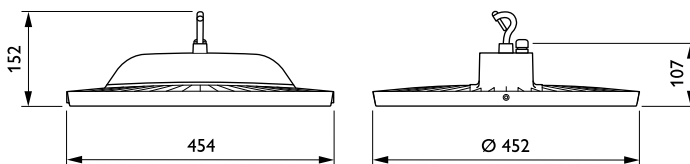
### Application Conditions

Ambient temperature range	-30 to +45 °C
Performance ambient temperature Tq	25 °C
Maximum dimming level	10%
Suitable for random switching	Yes

### Product Data

Full product code	871016330147100
Order product name	BY121P G3 LED205S/840 PSD WB GR
EAN/UPC – product	8710163301471
Order code	30147100
Local Code	BY121P3205D4WBG
Numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (12NC)	911401505631
Net weight (piece)	4.800 kg

## Dimensional drawing



CoreLine High-bay BY120P/BY121P

