



# 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 - 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	Connection	Connection unit 3-pole
Lamp family code	LED205S [ LED module, system flux 20500 lm]	Cable	Cable 0.5 m with cable connector 3-pole
Beam angle of light source	- °	Protection class IEC	Safety class I
Light source color	840 neutral white	Standard RAL color	Light gray
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 with DALI interface	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	Constant light output	Yes
Luminaire light beam spread	100°	Number of products on MCB of 16 A type B 8	
Control interface	DALI	RoHS mark	RoHS mark

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## 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	Aluminum
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	-

## 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)	20500 lm
Luminous flux tolerance	+/-10%

Initial LED luminaire efficacy	130 lm/W
Init. Corr. Color Temperature	4000 K
Init. Color 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)

Driver failure rate at 5000 h	1 %
Median useful life L70B50	50000 h
Median useful life L80B50	30000 h
Median useful life L90B50	15000 h

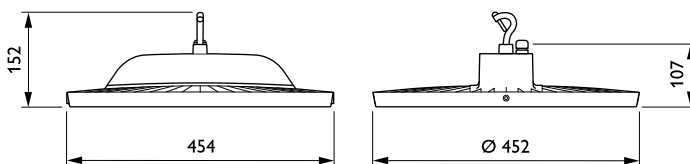
## Application Conditions

Ambient temperature range	-30 to +45 °C
Average ambient temperature	25 °C
Maximum dim level	10%
Suitable for random switching	Yes (relates to presence/ movement detection and daylight harvesting)

## Product Data

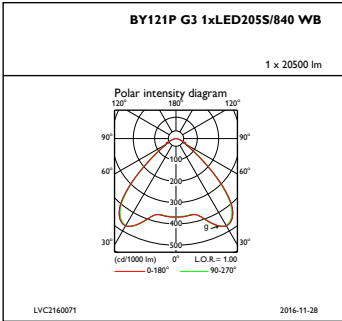
Full product code	871016330147100
Order product name	BY121P G3 LED205S/840 PSD WB GR
EAN/UPC - Product	8710163301471
Order code	911401505631
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	911401505631
Net Weight (Piece)	4.800 kg

## Dimensional drawing

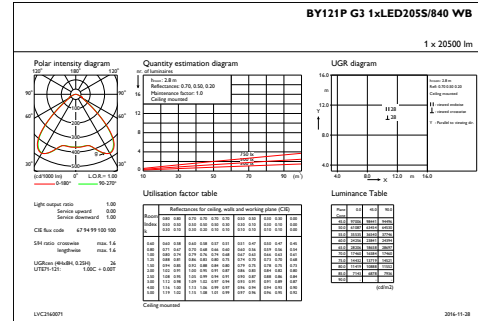


CoreLine High-bay BY120P/BY121P

## Photometric data



IFPC1\_BY121PG31xLED205S840WB



IFGU1\_BY121PG31xLED205S840WB

