

# Coreline Highbay Gen4

## BY121P G4 LED200S/865 PSD NB

865 cool daylight - Power supply unit with DALI interface -  
Narrow beam - Gray

CoreLine Highbay Gen4 delivers on the CoreLine promise of innovative, easy-to-use and high-quality luminaires. A reliable, highly efficient luminaire with a very long-lifetime, it delivers great savings on energy and requires less maintenance. At the same time, CoreLine Highbay is very easy to handle. The luminaire can be installed on your existing grid and the electrical connection is a straightforward task, with no need to open the luminaire and an external IP65 connector. With a choice of two beam angles: narrow and wide beam, you can adjust your lighting plan to suit your exact needs. This range also includes Interact Ready luminaires with integrated wireless communications and integrated movement and daylight sensors. So CoreLine Highbay Gen4 is ready to be used with any Interact connected lighting system.

### Product data

General Information		Luminaire light beam spread	
Beam angle of light source	55 °	Control interface	DALI
Light source colour	865 cool daylight	Connection	CU3 [ Connection unit 3-pole]
Light source replaceable	No	Cable	Cable 0.3 m with connector 3-pole
Number of gear units	1 unit	Protection class IEC	Safety class I (I)
Driver/power unit/transformer	PSD [ Power supply unit with DALI interface]	Glow-wire test	650/30 [ Temperature 650 °C, duration 30 s]
Driver included	Yes	Flammability mark	D [ For mounting on easily flammable surfaces]
Optic type	NB [ Narrow beam]	CE mark	CE mark
Optical cover/lens type	PC [ Polycarbonate bowl/cover]		

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ENEC mark	ENEC mark
Warranty period	5 years
Constant light output	No
Number of products on MCB (16 A type B)	13
Photobiological risk	Photobiological risk group 0 @ 200mm to EN62471
EU RoHS compliant	Yes
Light source engine type	LED
Unified glare rating CEN	22

## Operating and Electrical

Input Voltage	220 to 240 V
Input frequency	50 to 60 Hz
Initial CLO power consumption	- W
Average CLO power consumption	- W
Inrush current	53 A
Inrush time	0.3 ms
Power factor (min.)	0.95

## 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	Aluminium
Optical cover/lens finish	Clear
Overall height	445 mm
Overall diameter	450 mm
Colour	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)	20500 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	140 lm/W
Init. Corr. Colour Temperature	6500 K
Init. Colour rendering index	>80
Initial chromaticity	(0.31, 0.32 SDCM <5
Initial input power	146 W
Power consumption tolerance	+/-10%

## Over Time Performance (IEC Compliant)

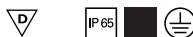
Control gear failure rate at median useful life 50,000 h	5 %
Lumen maintenance at median useful life* 50,000 h	L80

## Application Conditions

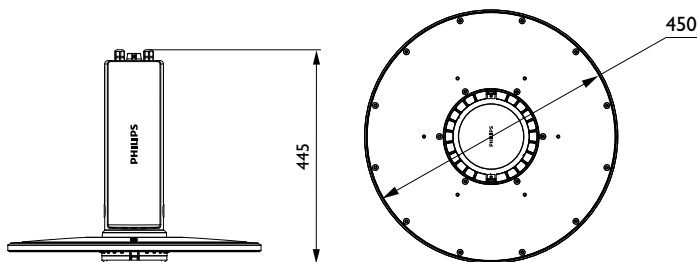
Ambient temperature range	-30 to +45 °C
Performance ambient temperature Tq	35 °C
Maximum dimming level	1%
Suitable for random switching	Yes

## Product Data

Full product code	871016333700500
Order product name	BY121P G4 LED200S/865 PSD NB
EAN/UPC – product	8710163337005
Order code	33700500
SAP numerator – quantity per pack	1
Numerator – packs per outer box	1
SAP material	911401575851
SAP net weight (piece)	7.700 kg



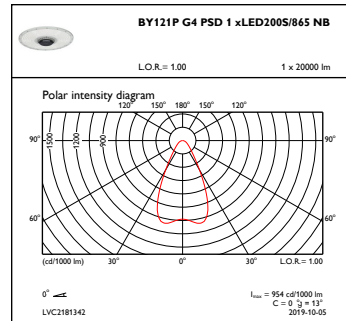
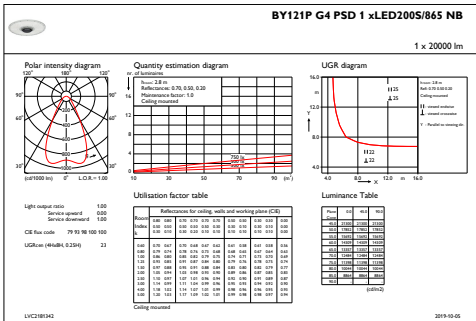
## Dimensional drawing



BY121P G4 LED200S/865 PSD NB

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## Photometric data



IFGU1\_BY121PG4PSD1xLED200S865NB

OFPC1\_BY121PG4PSD1xLED200S865NB

