



# CoreLine Highbay Gen5

## BY121P G5 LED200S/840 PSD NB

- Power supply unit with DALI interface - Beam angle 55° - 55°

CoreLine Highbay Gen5 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 energy savings 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 Gen5 is ready to be used with any Interact connected lighting system.

### Product data

General Information			
Light source color	840 neutral white	Protection class IEC	Safety class I
Light source replaceable	No	Glow-wire test	Temperature 650 °C, duration 30 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	Yes
Driver included	Yes	ENEC mark	ENEC mark
Optic type	Beam angle 55°	Warranty period	5 years
Luminaire light beam spread	55°	Constant light output	No
Control interface	DALI	Number of products on MCB of 16 A type B	8
Connection	Connection unit 3-pole	Photobiological risk	Photobiological risk group 1 @200mm to EN62778
Cable	Cable 0.3 m with connector 3-pole		

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Photobiological risk specification	18.2 m
EU RoHS compliant	Yes
Unified glare rating CEN	22
Lighting Technology	LED
Brand	Philips

## Light Technical

Luminous Flux	20,000 lumen
Saturated Red (R9)	<50
Luminous Efficacy (rated) (Nom)	149 lm/W
Color rendering index (CRI)	>80
Flickering value (PstLM)	0.5
Stroboscopic effect value (SVM)	1

## Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Input Frequency	50 or 60 Hz
Power Consumption	134 W
Inrush current	53 A
Inrush time	300 ms
Power Factor (Fraction)	0.95

## Temperature

Ambient temperature range	-30 to +50 °C
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## Controls and Dimming

Dimmable	Yes
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## Mechanical and Housing

Housing Material	Aluminum die-cast
Reflector material	-
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	-
Housing Color	Dark gray
Optical cover/lens finish	Clear
Overall height	99 mm
Overall diameter	330 mm

## Approval and Application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
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Mech. impact protection code	IK08 [5 J vandal-protected]
Sustainability rating	-

## Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Init. Corr. Color Temperature	4000 K
Initial chromaticity	(0.385, 0.380) SDCM<5
Power consumption tolerance	+/-10%

## Over Time Performance (IEC Compliant)

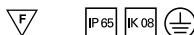
Control gear failure rate at median useful life 50000 h	5 %
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 50000 h	L85
Lumen maintenance at median useful life* 100000 h	L65

## Application Conditions

Performance ambient temperature Tq	35 °C
Maximum dim level	10%
Suitable for random switching	Yes

## Product Data

Full product code	871951495572100
Order product name	BY121P G5 LED200S/840 PSD NB
EAN/UPC - Product	8719514955721
Order code	911401629808
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material number (12NC)	911401629808
Net weight	3.540 kg
Full product name	BY121P G5 LED200S/840 PSD NB
EAN/UPC - Case	8719514955721



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## Dimensional drawing

