



# CoreLine Highbay Gen5

## BY121P G5 LED105S/840 PSD NB

CoreLine Highbay Gen5, 72 W, 10500 lm, 4000 K, DALI, Narrow beam, IP65, IK08

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 Technical	
Light source replaceable	No	Glow-wire test	Temperature 650 °C, duration 30 s
Number of gear units	1 unit	EU RoHS compliant	Yes
Driver included	Yes	Luminous Flux	10,500 lm
Lighting Technology	LED	Saturated Red (R9)	<50
CE mark	Yes	Correlated Color Temperature (Nom)	4000 K
Warranty period	5 years	Luminous Efficacy (rated) (Nom)	146 lm/W
Flammability mark	For mounting on normally flammable surfaces	Color rendering index (CRI)	>80
ENEC mark	ENEC mark		

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Flickering value (PstLM) - Flickering value as per EN 61000-3-3	0.5
Stroboscopic effect visibility measure (SVM)	1
Light source color	840 neutral white
Optic type	Narrow beam
Luminaire light beam spread	55°
Unified glare rating CEN	22

## Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Inrush current	53 A
Inrush time	300 ms
Power Consumption	72 W
Power Factor (Fraction)	0.95
Connection	Connection unit 3-pole
Cable	Cable 0,3 m with connector 3-pole
Number of products on MCB of 16 A type B	8

## Temperature

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

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No

## Mechanical and Housing

Housing Material	Aluminum die-cast
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	-
Housing Color	Grey
Optical cover finish	Clear
Overall length	330 mm
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	-
Protection class IEC	Safety class I
Photobiological risk	Photobiological risk group 1 @200mm to EN62778
Photobiological risk specification	18.2 m

## Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
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	L75

## Application Conditions

Performance ambient temperature Tq	35 °C
Maximum dim level	20%
Suitable for random switching	Yes

## Product Data

Order product name	BY121P G5 LED105S/840 PSD NB
Full product name	BY121P G5 LED105S/840 PSD NB
Full product code	871951495570700
Order code	911401629608
Material Nr. (12NC)	911401629608
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514955707
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514955707

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## Dimensional drawing

