



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 source replaceable	No
Number of gear units	1 unit
Driver included	Yes
Lighting Technology	LED
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on normally flammable
	surfaces
ENEC mark	ENEC mark

Glow-wire test	Temperature 650 °C, duration 30 s
EU RoHS compliant	Yes
Light Technical	
Luminous Flux	10,500 lm
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	146 lm/W
Color rendering index (CRI)	>80

Datasheet, 2024, March 21 data subject to change

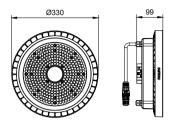
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Flickering value (PstLM) - Flickering value as	0.5
per EN 61000-3-3	
Stroboscopic effect visibility measure (SVM)	1
Light source color	840 neutral white
Optic type	Narrow beam
Luminaire light beam spread	55°
Unified glare rating CEN	22
Operating and 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
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	
Fixation material Housing Color	Grey
	Grey Clear
Housing Color	
Housing Color Optical cover finish Overall length	Clear
Housing Color Optical cover finish Overall length Overall height	Clear 330 mm 99 mm
Housing Color Optical cover finish Overall length	Clear 330 mm
Housing Color Optical cover finish Overall length Overall height Overall diameter	Clear 330 mm 99 mm
Housing Color Optical cover finish Overall length Overall height	Clear 330 mm 99 mm

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	5 %	
50000 h		
Control gear failure rate at median useful life	10 %	
100000 h		
Lumen maintenance at median useful life*	L85	
50000 h		
Lumen maintenance at median useful life*	L75	
100000 h		
Application Conditions		
Performance ambient temperature Tq	35 ℃	
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





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