



CoreLine Highbay Gen5

BY120P G5 LED105S/840 PSU NB

CoreLine Highbay Gen5, 67 W, 10500 lm, 4000 K, 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	
Service tag	Yes	
Lighting Technology	LED	
Value ladder	Performance	
Warranty period	5 years	
Sustainability rating	-	

Luminous Flux 10,500 lm Saturated Red (R9) <50 Correlated Color Temperature (Nom) 4000 K Luminous Efficacy (rated) (Nom) 157 lm/W Color rendering index (CRI) >80 Light source color 840 neutral white Optic type Narrow beam	
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Ontic true	
Optic type Narrow beam	
Luminaire light beam spread 55°	

Datasheet, 2025, March 19 data subject to change

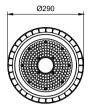
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Unified glare rating CEN	22
Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Inrush current	40 A
Inrush time	0.665 ms
Power Consumption	67 W
	0.95
Power Factor (Fraction) Connection	
Cable	Connection unit 3-pole Cable 0.3 m with connector 3-pole
Number of products on MCB of 16 A type B	6
Suitable for random switching	Yes
Protection class IEC	
Total harmonic distortion	Safety class I 20 %
Total Harmonic distortion	20 %
Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	-
Constant light output	No
Maximum dim level	Not applicable
	. Tot applicable
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	290 mm
Overall length Overall height	290 mm 90 mm
Overall height	90 mm 290 mm
Overall height Overall diameter	90 mm 290 mm
Overall height Overall diameter	90 mm 290 mm IP65 [Dust penetration-protected, jet
Overall height Overall diameter Ingress protection code	90 mm 290 mm IP65 [Dust penetration-protected, jet proof]
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Overall height Overall diameter Ingress protection code Mech. impact protection code Net Weight (Piece) Approval and Application	90 mm 290 mm IP65 [Dust penetration-protected, jet proof] IK08 [5 J vandal-protected] 1.990 kg

CE mark	Yes
ENEC mark	ENEC mark
Photobiological risk	Photobiological risk group 1 @200mm
	to EN62778
Photobiological risk specification	18.2 m
EU RoHS compliant	Yes
Performance ambient temperature Tq	35 ℃
Flickering value (PstLM) - Flickering value as	0.5
per EN 61000-3-3	
Stroboscopic effect visibility measure (SVM)	1
Ambient temperature range	-30 to +50 °C
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.385, 0.380) SDCM<5
Power consumption tolerance	+/-10%
Standard Deviation of Colour Matching	SDCM≤5
(McAdam ellipse)	
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 (EN-IEC 62722-2-1) at	L85
median useful life* 50000 h	
Lumen maintenance (EN-IEC 62722-2-1) at	L75
median useful life* 100000 h	
Product Data	
Order product name	BY120P G5 LED105S/840 PSU NB
Full product name	BY120P G5 LED105S/840 PSU NB
Full product code	871951495566000
Order code	911401629208
Material Nr. (12NC)	911401629208
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514955660
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514955660

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Dimensional drawing





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