



CoreLine Highbay Gen5

BY120P G5 LED105S/865 PSU WB

CoreLine Highbay Gen5, 67 W, 10500 lm, 6500 K, Wide 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	-

Light Technical	
Luminous Flux	10,500 lm
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	157 lm/W
Color rendering index (CRI)	>80
Light source color	865 cool daylight
Optic type	Wide beam
Luminaire light beam spread	85° x 85°
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Datasheet, 2025, March 19 data subject to change

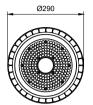
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Unified glare rating CEN	25
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Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Inrush current	40 A
Inrush time	0.665 ms
Power Consumption	67 W
Power Factor (Fraction)	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	6
Suitable for random switching	Yes
Protection class IEC	Safety class I
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
Mechanical and Housing	
	Aluminum die-cast
Housing Material	
Housing Material Reflector material	-
	- Polycarbonate
Reflector material	- Polycarbonate Polycarbonate
Reflector material Optic material	
Reflector material Optic material Optical cover material	
Reflector material Optic material Optical cover material Fixation material	Polycarbonate -
Reflector material Optic material Optical cover material Fixation material Housing Color	Polycarbonate - Grey
Reflector material Optic material Optical cover material Fixation material Housing Color Optical cover finish	Polycarbonate - Grey Clear
Reflector material Optic material Optical cover material Fixation material Housing Color Optical cover finish Overall length	Polycarbonate - Grey Clear 290 mm
Reflector material Optic material Optical cover material Fixation material Housing Color Optical cover finish Overall length Overall height	Polycarbonate - Grey Clear 290 mm 90 mm 290 mm
Reflector material Optic material Optical cover material Fixation material Housing Color Optical cover finish Overall length Overall diameter	Polycarbonate - Grey Clear 290 mm 90 mm 290 mm
Reflector material Optic material Optical cover material Fixation material Housing Color Optical cover finish Overall length Overall diameter	Polycarbonate - Grey Clear 290 mm 90 mm 1P65 [Dust penetration-protected, jet
Reflector material Optic material Optical cover material Fixation material Housing Color Optical cover finish Overall length Overall height Overall diameter Ingress protection code	Polycarbonate - Grey Clear 290 mm 90 mm 290 mm IP65 [Dust penetration-protected, jet proof]
Reflector material Optic material Optical cover material Fixation material Housing Color Optical cover finish Overall length Overall height Overall diameter Ingress protection code Mech. impact protection code	Polycarbonate - Grey Clear 290 mm 90 mm 1P65 [Dust penetration-protected, jet proof] IKO8 [5 J vandal-protected]
Reflector material Optic material Optical cover material Fixation material Housing Color Optical cover finish Overall length Overall height Overall diameter Ingress protection code Mech. impact protection code	Polycarbonate - Grey Clear 290 mm 90 mm 1P65 [Dust penetration-protected, jet proof] IKO8 [5 J vandal-protected]
Reflector material Optic material Optical cover material Fixation material Housing Color Optical cover finish Overall length Overall height Overall diameter Ingress protection code Mech. impact protection code Net Weight (Piece)	Polycarbonate - Grey Clear 290 mm 90 mm 290 mm IP65 [Dust penetration-protected, jet proof] IK08 [5 J vandal-protected] 1.990 kg
Reflector material Optic material Optical cover material Fixation material Housing Color Optical cover finish Overall length Overall height Overall diameter Ingress protection code Mech. impact protection code Net Weight (Piece) Approval and Application	Polycarbonate - Grey Clear 290 mm 90 mm 1P65 [Dust penetration-protected, jet proof] IKO8 [5 J vandal-protected]

CF manufa	Vee
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
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Initial Performance (IEC Compliant)	/ 100/
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.316, 0.332) 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/865 PSU WB
Full product name	BY120P G5 LED105S/865 PSU WB
Full product code	871951495575200
Order code	911401630108
Material Nr. (12NC)	911401630108
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514955752
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514955752

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Dimensional drawing





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