



# CoreLine Highbay Gen5

### BY121P G5 LED200S/840 PSU WB

CoreLine Highbay Gen5, 126 W, 20000 lumen, 4000 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
CE mark	Yes
Number of gear units	1 unit
Driver included	Yes
Flammability mark	For mounting on normally flammable
	surfaces
Glow-wire test	Temperature 650 °C, duration 30 s
Warranty period	5 years
Lighting Technology	LED

ENEC mark	ENEC mark
EU RoHS compliant	Yes
Application Conditions	
Maximum dim level	Not applicable
Performance ambient temperature Tq	35 ℃
Suitable for random switching	Yes
Light Technical	
Luminous Flux	20,000 lumen

Datasheet, 2023, September 5 data subject to change

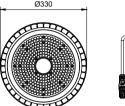
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Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	159 lm/W
Color rendering index (CRI)	>80
Flickering value (PstLM)	0.5
Stroboscopic effect value (SVM)	1
Light source color	840 neutral white
Optic type	Wide beam
Luminaire light beam spread	85° x 85°
Unified glare rating CEN	25
Operating and Electrical	
Line Frequency	50 or 60 Hz
Input Voltage	220 to 240 V
Inrush current	40 A
Inrush time	600 ms
Power Consumption	126 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
Number of products on MCB of 16 A type B	6
Number of products on MCB of 16 A type B  Temperature	6
	-30 to +50 °C
Temperature	
Temperature	
Temperature Ambient temperature range	
Temperature Ambient temperature range  Controls and Dimming	-30 to +50 °C
Temperature Ambient temperature range  Controls and Dimming Dimmable	-30 to +50 °C No
Temperature Ambient temperature range  Controls and Dimming Dimmable Driver/power unit/transformer	-30 to +50 °C  No  Power supply unit (On/Off)
Temperature Ambient temperature range  Controls and Dimming Dimmable Driver/power unit/transformer	-30 to +50 °C  No  Power supply unit (On/Off)
Temperature Ambient temperature range  Controls and Dimming Dimmable Driver/power unit/transformer Constant light output	-30 to +50 °C  No  Power supply unit (On/Off)
Temperature Ambient temperature range  Controls and Dimming Dimmable Driver/power unit/transformer Constant light output  Mechanical and Housing	-30 to +50 °C  No  Power supply unit (On/Off)  No
Temperature Ambient temperature range  Controls and Dimming Dimmable Driver/power unit/transformer Constant light output  Mechanical and Housing Housing Material	-30 to +50 °C  No Power supply unit (On/Off) No  Aluminum die-cast
Temperature Ambient temperature range  Controls and Dimming Dimmable Driver/power unit/transformer Constant light output  Mechanical and Housing Housing Material Reflector material	-30 to +50 °C  No Power supply unit (On/Off)  No  Aluminum die-cast
Temperature Ambient temperature range  Controls and Dimming Dimmable Driver/power unit/transformer Constant light output  Mechanical and Housing Housing Material Reflector material Optic material	No Power supply unit (On/Off) No  Aluminum die-cast - Polycarbonate
Temperature Ambient temperature range  Controls and Dimming Dimmable Driver/power unit/transformer Constant light output  Mechanical and Housing Housing Material Reflector material Optic material Optical cover/lens material	-30 to +50 °C  No  Power supply unit (On/Off)  No  Aluminum die-cast -  Polycarbonate  Polycarbonate
Temperature Ambient temperature range  Controls and Dimming Dimmable Driver/power unit/transformer Constant light output  Mechanical and Housing Housing Material Reflector material Optic material Optical cover/lens material Fixation material	-30 to +50 °C  No Power supply unit (On/Off) No  Aluminum die-cast - Polycarbonate Polycarbonate -
Temperature Ambient temperature range  Controls and Dimming Dimmable Driver/power unit/transformer Constant light output  Mechanical and Housing Housing Material Reflector material Optic material Optical cover/lens material Fixation material Housing Color	-30 to +50 °C  No Power supply unit (On/Off) No  Aluminum die-cast - Polycarbonate Polycarbonate - Gray
Temperature Ambient temperature range  Controls and Dimming Dimmable Driver/power unit/transformer Constant light output  Mechanical and Housing Housing Material Reflector material Optic material Optical cover/lens material Fixation material Housing Color Optical cover/lens finish	-30 to +50 °C  No Power supply unit (On/Off) No  Aluminum die-cast - Polycarbonate Polycarbonate - Gray Clear

Overall diameter	330 mm	
Approval and Application		
Ingress protection code	IP65 [Dust penetration-protected, jet-	
	proof]	
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)		
Initial chromaticity	(0.385, 0.380) SDCM<5	
Luminous flux tolerance	+/-10%	
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		
Product Data		
Full product code	871951495569100	
Order product name	BY121P G5 LED200S/840 PSU WB	
EAN/UPC - Product	8719514955691	
Order code	911401629508	
Numerator - Quantity Per Pack	1	
Numerator - Packs per outer box	1	
Material Nr. (12NC)	911401629508	
Full product name	BY121P G5 LED200S/840 PSU WB	
EAN/UPC - Case	8719514955691	

## **CoreLine Highbay Gen5**

#### Dimensional drawing







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