



CoreLine Highbay Gen5

BY121P G5 LED105S/865 PSD WB

CoreLine Highbay Gen5, 72 W, 10500 lumen, 6500 K, DALI, 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	20%
Performance ambient temperature Tq	35 ℃
Suitable for random switching	Yes
Light Technical	
Luminous Flux	10,500 lumen

Datasheet, 2023, September 5 data subject to change

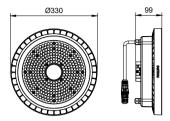
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Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	146 lm/W
Color rendering index (CRI)	>80
Flickering value (PstLM)	0.5
Stroboscopic effect value (SVM)	1
Light source color	865 cool daylight
Optic type	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	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
Number of products on MCB of 16 A type B	8
Number of products on MCB of 16 A type B Temperature	8
	-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 Yes
Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer	-30 to +50 °C Yes Power supply unit with DALI interface
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Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material	-30 to +50 °C Yes Power supply unit with DALI interface DALI No
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Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material	-30 to +50 °C Yes Power supply unit with DALI interface DALI No Aluminum die-cast - Polycarbonate
Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover/lens material	-30 to +50 °C Yes Power supply unit with DALI interface DALI No Aluminum die-cast - Polycarbonate
Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover/lens material Fixation material	-30 to +50 °C Yes Power supply unit with DALI interface DALI No Aluminum die-cast - Polycarbonate Polycarbonate -
Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover/lens material Fixation material Housing Color	-30 to +50 °C Yes Power supply unit with DALI interface DALI No Aluminum die-cast - Polycarbonate Polycarbonate - Gray

Overall height	99 mm
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	(0.316, 0.332) SDCM<5
Luminous flux tolerance	+/-10%
Power consumption tolerance	+/-10%
Over Time Performance (IEC Compliant Control gear failure rate at median useful life 50000 h	•
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
Product Data	
Full product code	871951495579000
Order product name	BY121P G5 LED105S/865 PSD WB
EAN/UPC - Product	8719514955790
Order code	911401630508
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	911401630508
Full product name	BY121P G5 LED105S/865 PSD WB
EAN/UPC - Case	8719514955790

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Dimensional drawing





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