

Lighting

PHILIPS

CoreLine Highbay Gen5

BY121P G5 LED200S/865 PSD NB

CoreLine Highbay Gen5, 134 W, 20000 lumen, 6500 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 longlifetime, 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

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	General Information	
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	Light source replaceable	No
Driver included Yes Flammability mark For mounting on normally flammable surfaces Glow-wire test Temperature 650 °C, duration 30 s Warranty period 5 years	CE mark	Yes
Flammability mark For mounting on normally flammable surfaces Glow-wire test Temperature 650 °C, duration 30 s Warranty period 5 years	Number of gear units	1 unit
surfaces Glow-wire test Temperature 650 °C, duration 30 s Warranty period 5 years	Driver included	Yes
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Warranty period 5 years		surfaces
		sunaces
Lighting Technology LED	Glow-wire test	
Lighting rectificity LED		Temperature 650 °C, duration 30 s

ENEC mark	ENEC mark
EU RoHS compliant	Yes
Application Conditions	
Maximum dim level	10%
Performance ambient temperature Tq	35 °C
Suitable for random switching	Yes
Light Technical	
Luminous Flux	20,000 lumen

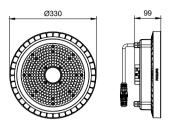
CoreLine Highbay Gen5

Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	149 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	Narrow beam
Luminaire light beam spread	55°
Unified glare rating CEN	22
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	134 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	
Temperature Ambient temperature range	-30 to +50 °C
	-30 to +50 °C
	-30 to +50 °C
Ambient temperature range	-30 to +50 °C Yes
Ambient temperature range Controls and Dimming	
Ambient temperature range Controls and Dimming Dimmable	Yes
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer	Yes Power supply unit with DALI interface
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface	Yes Power supply unit with DALI interface DALI
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface	Yes Power supply unit with DALI interface DALI
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output	Yes Power supply unit with DALI interface DALI
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing	Yes Power supply unit with DALI interface DALI No
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material	Yes Power supply unit with DALI interface DALI No
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material	Yes Power supply unit with DALI interface DALI No Aluminum die-cast
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	Yes Power supply unit with DALI interface DALI No Aluminum die-cast - Polycarbonate
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 Optic acover/lens material	Yes Power supply unit with DALI interface DALI No Aluminum die-cast - Polycarbonate
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	Yes Power supply unit with DALI interface DALI No Aluminum die-cast - Polycarbonate Polycarbonate -
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	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	5 %
Control gear failure rate at median useful life 50000 h	5 %
-	5 %
50000 h	
50000 h Control gear failure rate at median useful life	
50000 h Control gear failure rate at median useful life 100000 h	10 %
50000 h Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life*	10 %
50000 h Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 50000 h	10 % L85
50000 h Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 50000 h Lumen maintenance at median useful life*	10 % L85
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50000 h Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 50000 h Lumen maintenance at median useful life* 100000 h Product Data	10 % L85 L75
50000 h Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 50000 h Lumen maintenance at median useful life* 100000 h Product Data Full product code	10 % L85 L75 871951495580600
50000 h Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 50000 h Lumen maintenance at median useful life* 100000 h Product Data Full product code Order product name	10 % L85 L75 871951495580600 BY121P G5 LED2005/865 PSD NB
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50000 h Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 50000 h Lumen maintenance at median useful life* 100000 h Product Data Full product code Order product name EAN/UPC - Product Order code Numerator - Quantity Per Pack	10 % L85 L75 871951495580600 BY121P G5 LED2005/865 PSD NB 8719514955806 911401630608 1
50000 h Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 50000 h Lumen maintenance at median useful life* 100000 h Product Data Full product code Order product name EAN/UPC - Product Order code Numerator - Quantity Per Pack Numerator - Packs per outer box	10 % L85 L75 871951495580600 BY121P G5 LED200S/865 PSD NB 8719514955806 911401630608 1 1

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Dimensional drawing





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