

Lighting

PHILIPS

CoreLine Highbay Gen5

BY121P G5 LED200S/840 PSD NB

CoreLine Highbay Gen5, 134 W, 20000 lumen, 4000 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

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

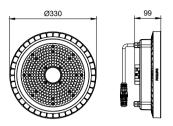
CoreLine Highbay Gen5

Contruments of Dood (DO)	-50
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	4000 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	840 neutral white
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	
remperature	
Ambient temperature range	-30 to +50 °C
-	-30 to +50 °C
	-30 to +50 ℃
Ambient temperature range	-30 to +50 °C Yes
Ambient temperature range Controls and Dimming	Yes
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 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
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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 Aluminum die-cast
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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 Optical cover/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 -

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	(0.385, 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	871951495572100
Order product name	BY121P G5 LED200S/840 PSD NB
EAN/UPC - Product	8719514955721
Order code	911401629808
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	911401629808
Full product name	BY121P G5 LED200S/840 PSD NB
EAN/UPC - Case	8719514955721
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Dimensional drawing





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