

PHILIPS**Lighting**

CoreLine Highbay Gen5

BY122P G5 LED300S/840 PSU NB

- Power supply unit - Narrow beam - 55°

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 savings on energy 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		Colour rendering index (CRI)	>80
Light source replaceable	No	Flickering value (PstLM)	0.5
Number of gear units	Unit	Stroboscopic effect	1
Driver included	Yes	Light source colour	840 neutral white
Lighting Technology	LED	Optic type	Narrow beam
Light technical		Luminaire light beam spread	55°
Luminous Flux	30,000 lm	Unified Glare Rating (CEN)	22
Saturated Red (R9)	<50	Operating and electrical	
Correlated Colour Temperature	4000 K	Input Voltage	220 to 240 V
Luminous Efficacy (rated) (Nom)	156 lm/W	Line Frequency	50 or 60 Hz

CoreLine Highbay Gen5

Input frequency	50 or 60 Hz	Warranty period	5 years
Power Consumption	192 W	Photobiological risk	Photobiological risk group 1 @200mm to EN62778
Inrush current	54 A	Photobiological risk specification	18.2 m
Inrush time	750 ms	EU RoHS compliant	Yes
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		
Temperature			
Ambient temperature range	-30 to +50 °C	Luminous flux tolerance	+/-10%
Controls and dimming			
Dimmable	No	Initial chromaticity	(0.385, 0.380) SDCM<5
Driver/power unit/transformer	Power supply unit	Power consumption tolerance	+/-10%
Control interface	-		
Constant light output	No		
Mechanical and housing			
Housing material	Aluminium die-cast	Control gear failure rate at median useful life	5 %
Reflector material	-	50,000 h	
Optic material	Polycarbonate	Control gear failure rate at median useful life	10 %
Optical cover/lens material	Polycarbonate	100,000 h	
Fixation material	-	Lumen maintenance at median useful life*	L85
Housing Colour	Grey	50,000 h	
Optical cover/lens finish	Clear	Lumen maintenance at median useful life*	L75
Overall height	99 mm	100,000 h	
Overall diameter	393 mm		
Approval and application			
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]	Performance ambient temperature Tq	35 °C
Mech. impact protection code	IK08 [5 J vandal-protected]	Maximum dim level	Not applicable
Sustainability rating	-	Suitable for random switching	Yes
Protection class IEC	Safety class I		
Glow-wire test	Temperature 650 °C, duration 30 s		
Flammability mark	For mounting on normally flammable surfaces		
CE mark	Yes		
ENEC mark	ENEC mark		



CoreLine Highbay Gen5

Dimensional drawing

