CoreLine Highbay Gen5

BY122P G5 LED250S/865 PSU NB

– Power supply unit – Beam angle 55° – 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

Operating and electrical

Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Input frequency	50 or 60 Hz
Power Consumption	157 W
Inrush current	54 A
Inrush time	750 ms
Power Factor (Fraction)	0.95

General information

Light source colour	865 cool daylight
Light source replaceable	No
Number of gear units	Unit
Driver/power unit/transformer	Power supply unit
Driver included	Yes
Optic type	Beam angle 55°
Luminaire light beam spread	55°
Control interface	–
Connection	Connection unit 3-pole
Cable	Cable 0.3 m with connector 3-pole
Protection class IEC	Safety class I
Glow-wire test	Temperature 650 °C, duration 30 s

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Flammability mark	For mounting on normally flammable surfaces	**Mech. impact protection code**	IK08 [5 J vandal-protected]
CE mark	Yes	**Sustainability rating**	–
ENEC mark	ENEC mark		
Warranty period	5 years	**Initial performance (IEC compliant)**	
Constant light output	No	**Luminous flux tolerance**	+/-10%
Number of products on MCB of 16 A type B	6	**Init. Corr. Colour Temperature**	6500 K
Photobiological risk	Photobiological risk group 1 @200mm to EN62778	**Initial chromaticity**	(0.316, 0.332) SDCM<5
		Power consumption tolerance	+/-10%
Photobiological risk specification	18.2 m		
EU RoHS compliant	Yes	**Over time performance (IEC compliant)**	
Unified Glare Rating (CEN)	22	**Control gear failure rate at median useful life 50,000 h**	5 %
Lighting Technology	LED	**Control gear failure rate at median useful life 100,000 h**	10 %
Brand	Philips	**Lumen maintenance at median useful life* 50,000 h**	L85
Light technical		**Lumen maintenance at median useful life* 100,000 h**	L65
Luminous Flux	25,000 lm		
Saturated Red (R9)	<50	**Application conditions**	
Luminous Efficacy (rated) (Nom)	159 lm/W	**Performance ambient temperature Tq**	35 ℃
Colour rendering index (CRI)	>80	**Maximum dim level**	Not applicable
Flickering	0.5	**Suitable for random switching**	Yes
Stroboscopic effect	1		
		Product data	
Temperature		**Full EOC**	871951495584400
Ambient temperature range	-30 to +50 ℃	**Order product name**	BY122P G5 LED250S/865 PSU NB
		EAN/UPC – product	8719514955844
Mechanical and housing		**Order code**	95584400
Housing material	Aluminium die-cast	**SAP numerator – quantity per pack**	1
Reflector material	–	**Numerator – packs per outer box**	1
Optic material	Polycarbonate	**Material number (12NC)**	911401631008
Optical cover/lens material	Polycarbonate	**Net weight**	4.190 kg
Fixation material	–	**Full product name**	BY122P G5 LED250S/865 PSU NB
Housing Colour	Dark grey	**EAN/UPC – Case**	8719514955844
Optical cover/lens finish	Clear		
Overall height	99 mm		
Overall diameter	393 mm		

Approval and application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]

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Dimensional drawing

Ø393   99

www.lighting.philips.com

2023, April 26 – data subject to change