



# CoreLine Highbay Gen5

## BY122P G5 LED250S/865 PSU WB

- Power supply unit - Beam angle 84° - 85° x 85°

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		Protection class IEC	Safety class I
Light source colour	865 cool daylight	Glow-wire test	Temperature 650 °C, duration 30 s
Light source replaceable	No	Flammability mark	For mounting on normally flammable surfaces
Number of gear units	Unit	CE mark	Yes
Driver/power unit/transformer	Power supply unit	ENEC mark	ENEC mark
Driver included	Yes	Warranty period	5 years
Optic type	Beam angle 84°	Constant light output	No
Luminaire light beam spread	85° x 85°	Number of products on MCB of 16 A type B	6
Control interface	-	Photobiological risk	Photobiological risk group 1 @200mm to EN62778
Connection	Connection unit 3-pole		
Cable	Cable 0.3 m with connector 3-pole		

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Photobiological risk specification	18.2 m	Mech. impact protection code	IK08 [5 J vandal-protected]
EU RoHS compliant	Yes	Sustainability rating	-
Unified Glare Rating (CEN)	25		
Lighting Technology	LED		
Brand	Philips		
<b>Light technical</b>			
Luminous Flux	25,000 lm	Luminous flux tolerance	+/-10%
Saturated Red (R9)	<50	Init. Corr. Colour Temperature	6500 K
Luminous Efficacy (rated) (Nom)	159 lm/W	Initial chromaticity	(0.316, 0.332) SDCM<5
Colour rendering index (CRI)	>80	Power consumption tolerance	+/-10%
Flickering	0.5		
Stroboscopic effect	1		
<b>Operating and electrical</b>			
Input Voltage	220 to 240 V	Control gear failure rate at median useful life 50,000 h	5 %
Line Frequency	50 or 60 Hz	Control gear failure rate at median useful life 100,000 h	10 %
Input frequency	50 or 60 Hz	Lumen maintenance at median useful life* 50,000 h	L85
Power Consumption	157 W	Lumen maintenance at median useful life* 100,000 h	L65
Inrush current	54 A		
Inrush time	750 ms		
Power Factor (Fraction)	0.95		
<b>Temperature</b>			
Ambient temperature range	-30 to +50 °C		
<b>Mechanical and housing</b>			
Housing material	Aluminium die-cast	Full EOC	871951495585100
Reflector material	-	Order product name	BY122P G5 LED250S/865 PSU WB
Optic material	Polycarbonate	EAN/UPC – product	8719514955851
Optical cover/lens material	Polycarbonate	Order code	95585100
Fixation material	-	SAP numerator – quantity per pack	1
Housing Colour	Dark grey	Numerator – packs per outer box	1
Optical cover/lens finish	Clear	Material number (12NC)	911401631108
Overall height	99 mm	Net weight	4.190 kg
Overall diameter	393 mm	Full product name	BY122P G5 LED250S/865 PSU WB
		EAN/UPC – Case	8719514955851
<b>Approval and application</b>			
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]	   	

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### Dimensional drawing

