



CoreLine Highbay Gen5

BY120P G5 LED150S/840 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

General information		Protection class IEC	Safety class I
Light source colour	840 neutral white	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 55°	Constant light output	No
Luminaire light beam spread	55°	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)	22		
Lighting Technology	LED		
Brand	Philips		
Light technical			
Luminous Flux	15,000 lm	Luminous flux tolerance	+/-10%
Saturated Red (R9)	<50	Init. Corr. Colour Temperature	4000 K
Luminous Efficacy (rated) (Nom)	158 lm/W	Initial chromaticity	(0.385, 0.380) SDCM<5
Colour rendering index (CRI)	>80	Power consumption tolerance	+/-10%
Flickering	0.5		
Stroboscopic effect	1		
Operating and electrical			
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	95 W	Lumen maintenance at median useful life* 100,000 h	L65
Inrush current	40 A		
Inrush time	600 ms		
Power Factor (Fraction)	0.95		
Temperature			
Ambient temperature range	-30 to +50 °C		
Mechanical and housing			
Housing material	Aluminium die-cast	Full EOC	871951495596700
Reflector material	-	Order product name	BY120P G5 LED150S/840 PSU NB
Optic material	Polycarbonate	EAN/UPC – product	8719514955967
Optical cover/lens material	Polycarbonate	Order code	95596700
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)	911401632208
Overall height	90 mm	Net weight	1.990 kg
Overall diameter	290 mm	Full product name	BY120P G5 LED150S/840 PSU NB
		EAN/UPC – Case	8719514955967
Approval and application			
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]	   	

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Dimensional drawing

