



# CoreLine Highbay Gen5

## BY120P G5 LED105S/840 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

Operating and electrical		
Input Voltage	220 to 240 V	
Line Frequency	50 or 60 Hz	
Input frequency	50 or 60 Hz	
Power Consumption	67 W	
Inrush current	40 A	
Inrush time	600 ms	
Power Factor (Fraction)	0.95	
General information		
Light source colour	840 neutral white	
Light source replaceable		No
Number of gear units		Unit
Driver/power unit/transformer		Power supply unit
Driver included		Yes
Optic type		Beam angle 84°
Luminaire light beam spread		85° x 85°
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	<b>Initial performance (IEC compliant)</b>	
Warranty period	5 years	Luminous flux tolerance	+/-10%
Constant light output	No	Init. Corr. Colour Temperature	4000 K
Number of products on MCB of 16 A type B	6	Initial chromaticity	(0.385, 0.380) SDCM<5
Photobiological risk	Photobiological risk group 1 @200mm to EN62778	Power consumption tolerance	+/-10%
Photobiological risk specification	18.2 m	<b>Over time performance (IEC compliant)</b>	
EU RoHS compliant	Yes	Control gear failure rate at median useful life 5 %	50,000 h
Unified Glare Rating (CEN)	25	Control gear failure rate at median useful life 10 %	100,000 h
Lighting Technology	LED	Lumen maintenance at median useful life* L85	50,000 h
Brand	Philips	Lumen maintenance at median useful life* L65	100,000 h
<b>Light technical</b>			
Luminous Flux	10,500 lm	<b>Application conditions</b>	
Saturated Red (R9)	<50	Performance ambient temperature Tq	35 °C
Luminous Efficacy (rated) (Nom)	157 lm/W	Maximum dim level	Not applicable
Colour rendering index (CRI)	>80	Suitable for random switching	Yes
Flickering	0.5	<b>Product data</b>	
Stroboscopic effect	1	Full EOC	871951495567700
<b>Temperature</b>			
Ambient temperature range	-30 to +50 °C	Order product name	BY120P G5 LED105S/840 PSU WB
<b>Mechanical and housing</b>			
Housing material	Aluminium die-cast	EAN/UPC – product	8719514955677
Reflector material	-	Order code	95567700
Optic material	Polycarbonate	SAP numerator – quantity per pack	1
Optical cover/lens material	Polycarbonate	Numerator – packs per outer box	1
Fixation material	-	Material number (12NC)	911401629308
Housing Colour	Dark grey	Net weight	1.990 kg
Optical cover/lens finish	Clear	Full product name	BY120P G5 LED105S/840 PSU WB
Overall height	90 mm	EAN/UPC – Case	8719514955677
Overall diameter	290 mm		
<b>Approval and application</b>			
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]	   	

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### Dimensional drawing

