

Lighting

PHILIPS

CoreLine Highbay Gen5

BY121P G5 LED105S/865 PSD NB

CoreLine Highbay Gen5, 72 W, 10500 lm, 6500 K, DALI, Narrow beam, IP65, IK08

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 longlifetime, it delivers great energy savings 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		
Light source replaceable	No	
Number of gear units	1 unit	
Driver included	Yes	
Service tag	Yes	
Lighting Technology	LED	
Value ladder	Performance	
Warranty period	5 years	
Sustainability rating	-	

Light Technical	
Luminous Flux	10,500 lm
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	146 lm/W
Color rendering index (CRI)	>80
Light source color	865 cool daylight
Optic type	Narrow beam
Luminaire light beam spread	55°

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Unified glare rating CEN	22
Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Inrush current	53 A
Inrush time	0.3 ms
Power Consumption	72 W
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	8
Suitable for random switching	Yes
Protection class IEC	Safety class I
Total harmonic distortion	15 %
Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No
DALI Standard	DALI-2™
Maximum dim level	20%
Mechanical and Housing	
Housing Material	Aluminum die-cast
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	-
Housing Color	Grey
Optical cover finish	Clear
Overall length	330 mm
Overall height	99 mm
Overall diameter	330 mm
Ingress protection code	IP65 [Dust penetration-protected, jet-
	proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Net Weight (Piece)	3.540 kg

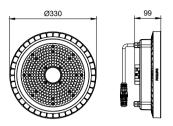
Approval and Application

Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	For mounting on normally flammable
	surfaces

CE mark	Yes
ENEC mark	ENEC mark
Photobiological risk	Photobiological risk group 1@200mm
	to EN62778
Photobiological risk specification	18.2 m
EU RoHS compliant	Yes
Performance ambient temperature Tq	35 ℃
Flickering value (PstLM) - Flickering value as	0.5
per EN 61000-3-3	
Stroboscopic effect visibility measure (SVM)	1
Ambient temperature range	-30 to +50 °C
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.316, 0.332) SDCM<5
Power consumption tolerance	+/-10%
Standard Deviation of Colour Matching	SDCM≤5
(McAdam ellipse)	
Over Time Performance (IEC Compliant)	
Control gear failure rate at median useful life	5 %
50000 h	
Control gear failure rate at median useful life	10 %
100000 h	
Lumen maintenance (EN-IEC 62722-2-1) at	L85
median useful life* 50000 h	
Lumen maintenance (EN-IEC 62722-2-1) at	L75
median useful life* 100000 h	
Product Data	
Order product name	
Full product name	BY121P G5 LED105S/865 PSD NB
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Full product code	
	BY121P G5 LED105S/865 PSD NB
Full product code	BY121P G5 LED105S/865 PSD NB 871951495578300
Full product code Order code	BY121P G5 LED1055/865 PSD NB 871951495578300 911401630408
Full product code Order code Material Nr. (12NC)	BY121P G5 LED1055/865 PSD NB 871951495578300 911401630408 911401630408
Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack	BY121P G5 LED1055/865 PSD NB 871951495578300 911401630408 911401630408 1

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Dimensional drawing





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