

Lighting

PHILIPS

CoreLine Highbay Gen5

BY121P G5 LED105S/840 PSD WB

CoreLine Highbay Gen5, 72 W, 10500 lm, 4000 K, DALI, Wide 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

No	
1 unit	
Yes	
Yes	
LED	
Performance	
5 years	
_	
	1 unit Yes Yes LED Performance

Light Technical	
Luminous Flux	10,500 lm
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	146 lm/W
Color rendering index (CRI)	>80
Light source color	840 neutral white
Optic type	Wide beam
Luminaire light beam spread	85° x 85°

CoreLine Highbay Gen5

Unified glare rating CEN	25
Operating and Electrical	
Operating and Electrical	220 to 240 V
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
Optic material Optical cover material	Polycarbonate Polycarbonate
Optical cover material	
Optical cover material Fixation material	Polycarbonate -
Optical cover material Fixation material Housing Color Optical cover finish	Polycarbonate - Grey
Optical cover material Fixation material Housing Color Optical cover finish Overall length	Polycarbonate - Grey Clear 330 mm
Optical cover material Fixation material Housing Color Optical cover finish Overall length Overall height	Polycarbonate - Grey Clear 330 mm 99 mm
Optical cover material Fixation material Housing Color Optical cover finish Overall length	Polycarbonate - Grey Clear 330 mm

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 °C
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	(0.385, 0.380) 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	BY121P G5 LED105S/840 PSD WB
Full product name	BY121P G5 LED105S/840 PSD WB
Full product code	871951495571400
Order code	911401629708
Material Nr. (12NC)	911401629708
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514955714
Numerator - Packs per outer box	1
EAN/UPC - Case	

 Flammability mark
 For mounting on normally flammable surfaces

IK08 [5 J vandal-protected]

Temperature 650 °C, duration 30 s

3.540 kg

Mech. impact protection code

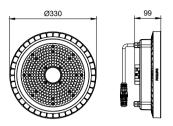
Approval and Application

Net Weight (Piece)

Glow-wire test

CoreLine Highbay Gen5

Dimensional drawing





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