

Lighting

PHILIPS

CoreLine Highbay Gen5

BY121P G5 LED105S/865 PSD WB

CoreLine Highbay Gen5, 72 W, 10500 lm, 6500 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

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	Wide beam
Luminaire light beam spread	85° x 85°

CoreLine Highbay Gen5

Controls and Dimming

Driver/power unit/transformer

Dimmable

Control interface

DALI Standard

Constant light output

Maximum dim level

Net Weight (Piece)

Unified glare rating CEN	25
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 %

Yes

DALI

DALI-2™

3.540 kg

No

20%

Power supply unit with DALI interface

	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	BY121P G5 LED105S/865 PSD WB
Full product name	BY121P G5 LED105S/865 PSD WB
Full product code	871951495579000
Order code	911401630508

911401630508

8719514955790

8719514955790

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Yes

ENEC mark

Photobiological risk group 1@200mm

CE mark

ENEC mark

Photobiological risk

Material Nr. (12NC)

EAN/UPC - Case

Numerator - Quantity Per Pack

Numerator - Packs per outer box

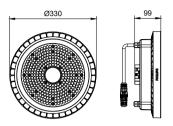
EAN/UPC - Product/Case

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]

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

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Dimensional drawing





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