

# Lighting

**PHILIPS** 

# CoreLine Highbay Gen5

# BY121P G5 LED200S/865 PSD NB

CoreLine Highbay Gen5, 134 W, 20000 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	20,000 lm
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	149 lm/W
Color rendering index (CRI)	>80
Light source color	865 cool daylight
Optic type	Narrow beam
Luminaire light beam spread	55°

### **CoreLine Highbay Gen5**

Dimmable

Control interface

DALI Standard

Constant light output

Maximum dim level

Driver/power unit/transformer

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	134 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	

0.5 115	i enomance ambient temperature re	55 0
134 W	Flickering value (PstLM) - Flickering value as	0.5
0.95	per EN 61000-3-3	
Connection unit 3-pole	Stroboscopic effect visibility measure (SVM)	1
Cable 0.3 m with connector 3-pole	Ambient temperature range	-30 to +50 °C
8		
Yes	Initial Performance (IEC Compliant)	
Safety class I	Luminous flux tolerance	+/-10%
15 %	Initial chromaticity	(0.316, 0.332) SDCM<5
	Power consumption tolerance	+/-10%
	Standard Deviation of Colour Matching	SDCM≤5
Yes	(McAdam ellipse)	
Power supply unit with DALI interface		
DALI	Over Time Performance (IEC Compliant)	
No	Control gear failure rate at median useful life	5 %
DALI-2™	50000 h	
10%	Control gear failure rate at median useful life	10 %
	100000 h	
	Lumen maintenance (EN-IEC 62722-2-1) at	L85
Aluminum die-cast	median useful life* 50000 h	
-	Lumen maintenance (EN-IEC 62722-2-1) at	L75
Polycarbonate	median useful life* 100000 h	
Polycarbonate		
-	Product Data	
Grey	Order product name	BY121P G5 LED200S/865 PSD NB
Clear	Full product name	BY121P G5 LED200S/865 PSD NB
330 mm	Full product code	871951495580600
99 mm	Order code	911401630608
330 mm	Material Nr. (12NC)	911401630608

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8719514955806

8719514955806

Yes

ENEC mark

to EN62778

18.2 m

Yes

35 °C

Photobiological risk group 1@200mm

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 flamm surfaces

 -	nable	mable
-		

EAN/UPC - Case

Numerator - Quantity Per Pack

EAN/UPC - Product/Case Numerator - Packs per outer box

CE mark

ENEC mark

Photobiological risk

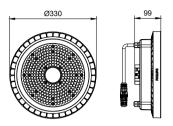
EU RoHS compliant

Photobiological risk specification

Performance ambient temperature Tq

## **CoreLine Highbay Gen5**

#### Dimensional drawing





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