



# CoreLine Highbay Gen5

## BY121P G5 LED200S/840 PSD WB

CoreLine Highbay Gen5, 134 W, 20000 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 long-lifetime, 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**

eable No
ts 1 unit
Yes
y LED
Yes
5 years
For mounting on normally flammable
surfaces
ENEC mark
5 years For mounting on normally flammable surfaces

Glow-wire test	Temperature 650 °C, duration 30 s
EU RoHS compliant	Yes
Light Technical	
Luminous Flux	20,000 lm
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	149 lm/W
Color rendering index (CRI)	>80

Datasheet, 2024, March 21 data subject to change

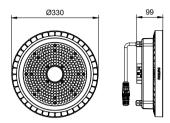
# **CoreLine Highbay Gen5**

Flickering value (PstLM) - Flickering value as	0.5
per EN 61000-3-3	
Stroboscopic effect visibility measure (SVM)	1
Light source color	840 neutral white
Optic type	Wide beam
Luminaire light beam spread	85° x 85°
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	300 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
Temperature	
Ambient temperature range	-30 to +50 °C
Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No
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
Optical cover finish  Overall length	Clear
Overall length	330 mm
Overall length	330 mm 99 mm
Overall length	330 mm
Overall length	330 mm 99 mm
Overall length Overall height Overall diameter	330 mm 99 mm

	IK08 [5 J vandal-protected]
Sustainability rating	-
Protection class IEC	Safety class I
Photobiological risk	Photobiological risk group 1 @200mm to
	EN62778
Photobiological risk specification	18.2 m
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.385, 0.380) SDCM<5
Power consumption tolerance	+/-10%
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 at median useful life*	L85
50000 h	
Lumen maintenance at median useful life*	L75
100000 h	
Application Conditions	
Application Conditions	25.00
Performance ambient temperature Tq	35 °C
Maximum dim level	10%
Suitable for random switching	Yes
Product Data	
Order product name	BY121P G5 LED200S/840 PSD WB
Full product name	BY121P G5 LED200S/840 PSD WB
Full product code	871951495573800
Order code	911401629908
Material Nr. (12NC)	911401629908
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514955738
Numerator - Packs per outer box	1
<del></del>	·
EAN/UPC - Case	8719514955738

# **CoreLine Highbay Gen5**

### Dimensional drawing





© 2024 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.