



CoreLine Highbay Gen5

BY121P G5 LED200S/840 PSD WB

CoreLine Highbay Gen5, 134 W, 20000 lumen, 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

General Information	
Light source replaceable	No
CE mark	Yes
Number of gear units	1 unit
Driver included	Yes
Flammability mark	For mounting on normally flammable
	surfaces
Glow-wire test	Temperature 650 °C, duration 30 s
Warranty period	5 years
Lighting Technology	LED
0 1 0 1 1 1 1 0 0	

ENEC mark
Yes
10%
35 ℃
Yes
20,000 lumen

Datasheet, 2023, September 5 data subject to change

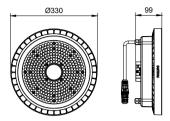
CoreLine Highbay Gen5

Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	149 lm/W
Color rendering index (CRI)	>80
Flickering value (PstLM)	0.5
Stroboscopic effect value (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	
Line Frequency	50 or 60 Hz
Input Voltage	220 to 240 V
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
Duit to a for a constant to the same of a support	
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	Power supply unit with DALI interface DALI
Control interface Constant light output	DALI
Control interface	DALI
Control interface Constant light output	DALI
Control interface Constant light output Mechanical and Housing	DALI No
Control interface Constant light output Mechanical and Housing Housing Material	DALI No
Control interface Constant light output Mechanical and Housing Housing Material Reflector material	DALI No Aluminum die-cast
Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material	DALI No Aluminum die-cast - Polycarbonate
Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover/lens material	DALI No Aluminum die-cast - Polycarbonate
Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover/lens material Fixation material	DALI No Aluminum die-cast - Polycarbonate Polycarbonate -

Overall height	99 mm
Overall diameter	330 mm
Approval and Application	
Ingress protection code	IP65 [Dust penetration-protected, jet-
	proof]
Mech. impact protection code	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)	
Initial chromaticity	(0.385, 0.380) SDCM<5
Luminous flux tolerance	+/-10%
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	
Product Data	
Full product code	871951495573800
Order product name	BY121P G5 LED200S/840 PSD WB
EAN/UPC - Product	8719514955738
Order code	911401629908
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	911401629908
Full product name	BY121P G5 LED200S/840 PSD WB
EAN/UPC - Case	8719514955738

CoreLine Highbay Gen5

Dimensional drawing





© 2023 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.