

Lighting

PHILIPS

CoreLine Highbay Gen5

BY122P G5 LED250S/840 PSU NB

CoreLine Highbay Gen5, 157 W, 25000 lm, 4000 K, 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
Lighting Technology	LED
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on normally flammable
	surfaces
ENEC mark	ENEC mark

Glow-wire test	Temperature 650 °C, duration 30 s
EU RoHS compliant	Yes
Light Technical	
Luminous Flux	25,000 lm
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	159 lm/W
Color rendering index (CRI)	>80

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	Narrow beam
Luminaire light beam spread	55°
Unified glare rating CEN	22
Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Inrush current	54 A
Inrush time	750 ms
Power Consumption	157 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	6
Temperature	
Ambient temperature range	-30 to +50 °C
Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
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

Clear

393 mm

99 mm

393 mm

proof]

IP65 [Dust penetration-protected, jet-

Mech. impact protection code	IK08 [5 J vandal-protected]
Sustainability rating	-
Protection class IEC	Safety class I
Photobiological risk	Photobiological risk group 1@200mm t
	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	35 °C
Performance ambient temperature Tq	35 °C
Performance ambient temperature Tq Maximum dim level	Not applicable
Performance ambient temperature Tq	
Performance ambient temperature Tq Maximum dim level	Not applicable
Performance ambient temperature Tq Maximum dim level Suitable for random switching	Not applicable
Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data	Not applicable Yes
Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name	Not applicable Yes BY122P G5 LED250S/840 PSU NB
Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name	Not applicable Yes BY122P G5 LED250S/840 PSU NB BY122P G5 LED250S/840 PSU NB
Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full product code	Not applicable Yes BY122P G5 LED250S/840 PSU NB BY122P G5 LED250S/840 PSU NB 871951495582000
Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full product code Order code	Not applicable Yes BY122P G5 LED250S/840 PSU NB BY122P G5 LED250S/840 PSU NB 871951495582000 911401630808
Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full product code Order code Material Nr. (12NC)	Not applicable Yes BY122P G5 LED250S/840 PSU NB BY122P G5 LED250S/840 PSU NB 871951495582000 911401630808 911401630808
Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack	Not applicable Yes BY122P G5 LED250S/840 PSU NB BY122P G5 LED250S/840 PSU NB 871951495582000 911401630808 911401630808 1

Optical cover finish

Overall length

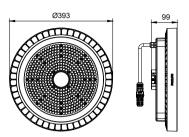
Overall height

Overall diameter

Approval and Application Ingress protection code

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.

www.lighting.philips.com 2024, March 21 - data subject to change