



Coreline Highbay Gen4

BY120P G4 LED100S/840 PSD WB

Coreline Highbay Gen4, 73 W, 10500 lm, 4000 K, DALI, 90°, IP65, IK07

CoreLine Highbay Gen4 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 savings on energy 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 Gen4 is ready to be used with any Interact connected lighting system.

Product data

General Information	
Light source replaceable	No
Number of gear units	Unit
Driver included	Yes
Light source engine type	LED
Value ladder	Performance
CE mark	CE mark
Warranty period	5 years
Flammability mark	For mounting on easily flammable
	surfaces

ENEC mark	ENEC mark
Glow-wire test	Temperature 650 °C, duration 30 s
EU RoHS compliant	Yes
Light Technical	
Luminous Flux	10,500 lm
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	144 lm/W
Colour rendering index (CRI)	>80
Beam angle of light source	90 x 90 degree(s)

Datasheet, 2023, December 4 data subject to change

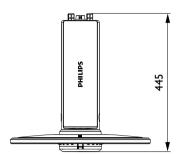
Coreline Highbay Gen4

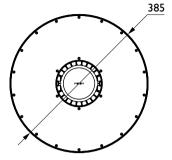
Light source colour	840 neutral white
Optic type	Wide beam
Optical cover type	Polycarbonate bowl/cover
Luminaire light beam spread	90°
Unified Glare Rating (CEN)	24
Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	- W
Average CLO power consumption	- W
Inrush current	53 A
Inrush time	0.3 ms
Power Consumption	73 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	13
Temperature	
Ambient temperature range	-30 to +45 °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	Aluminium
Reflector material	-
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	Aluminium
Housing Colour	Grey
Optical cover/lens finish	Clear
Overall height	445 mm
Overall diameter	385 mm

Approval and Application		
Ingress protection code	IP65 [Dust penetration-protected, jet-	
	proof]	
Mech. impact protection code	IK07 [2 J reinforced]	
Protection class IEC	Safety class I	
Photobiological risk	Photobiological risk group 0 @200mm to	
	EN62778	
Initial Performance (IEC Compliant)		
Luminous flux tolerance	+/-10%	
Initial chromaticity	(0.38, 0.38) SDCM <5	
Power consumption tolerance	+/-10%	
Over Time Performance (IEC Compliant)		
Driver failure rate at 5,000 hours	0.3 %	
Control gear failure rate at median useful life	5 %	
50,000 h		
Lumen maintenance at median useful life*	L80	
50,000 h		
Application Conditions		
Performance ambient temperature Tq	35 ℃	
Maximum dim level	1%	
Suitable for random switching	Yes	
Product Data		
Order product name	BY120P G4 LED100S/840 PSD WB	
Full product name	BY120P G4 LED100S/840 PSD WB	
Full EOC	871016333703600	
Order code	33703600	
Material no. (12 NC)	911401574551	
SAP numerator – quantity per pack	1	
EAN/UPC — Product/Case	8710163337036	
Numerator – packs per outer box	1	
EAN/UPC - Case	8710163337036	

Coreline Highbay Gen4

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.