



Coreline Highbay Gen4

BY120P G4 LED100S/865 PSD NB

Coreline Highbay Gen4, 73 W, 10500 lm, 6500 K, DALI, 55°, 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	6500 K
Luminous efficacy (rated) (nom.)	144 lm/W
Colour rendering index (CRI)	>80
Beam angle of light source	55 degree(s)

Datasheet, 2023, December 4 data subject to change

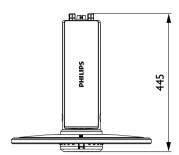
Coreline Highbay Gen4

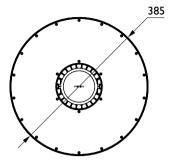
Link annua arlann	005
Light source colour	865 cool daylight
Optic type	Narrow beam
Optical cover type	Polycarbonate bowl/cover
Luminaire light beam spread	55°
Unified Glare Rating (CEN)	22
Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	- 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	DALI No
Constant light output	
Constant light output Mechanical and Housing	
Mechanical and Housing	No
Mechanical and Housing Housing material	No
Mechanical and Housing Housing material Reflector material	No Aluminium
Mechanical and Housing Housing material Reflector material Optic material	No Aluminium - Polycarbonate
Mechanical and Housing Housing material Reflector material Optic material Optical cover/lens material Fixation material	Aluminium - Polycarbonate Polycarbonate
Mechanical and Housing Housing material Reflector material Optic material Optical cover/lens material Fixation material Housing Colour	Aluminium - Polycarbonate Polycarbonate Aluminium Grey
Mechanical and Housing Housing material Reflector material Optic material Optical cover/lens material Fixation material	Aluminium - Polycarbonate Polycarbonate Aluminium

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
	EN62778
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.31, 0.32 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
D. 1.10.1	
Product Data	DV420D C 4 L ED400C (OCE DCD 4 D
Order product name	BY120P G4 LED100S/865 PSD NB
Full product name	BY120P G4 LED100S/865 PSD NB
Full EOC	871016333704300
Order code	33704300
Material no. (12 NC)	911401575651
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8710163337043
Numerator – packs per outer box	1
EAN/UPC - Case	8710163337043

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.