PHILIPS Lighting



Coreline Highbay Gen4

BY120P G4 LED100S/865 PSU NB

Coreline Highbay Gen4, 69 W, 10500 lm, 6500 K, 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 longlifetime, 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.)	152 lm/W
Colour rendering index (CRI)	>80
Beam angle of light source	55 degree(s)
Light source colour	865 cool daylight
Optic type	Narrow beam

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Optical cover type	Polycarbonate bowl/cover
Luminaire light beam spread	55°
Unified Glare Rating (CEN)	22

Operating and Electrical

Temperature

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	- W
Average CLO power consumption	- W
Inrush current	54 A
Inrush time	0.65 ms
Power Consumption	69 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

	r ower consumption toterance
;	Over Time Performance (IEC Complian
	Driver failure rate at 5,000 hours
	Control gear failure rate at median useful life
tion unit 3-pole	50,000 h
.3 m with connector 3-pole	Lumen maintenance at median useful life*
	50,000 h
	-
	Application Conditions

Mech. impact protection code

Protection class IEC

Photobiological risk

Ambient temperature range	-30 to +45 °C
Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
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	95 mm
Overall diameter	385 mm
Approval and Application	

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	Not applicable	
Suitable for random switching	Yes	
Product Data		
Order product name	BY120P G4 LED100S/865 PSU NB	
Full product name	BY120P G4 LED100S/865 PSU NB	
Full EOC	871016333567400	
Order code	33567400	
Material no. (12 NC)	911401575251	
SAP numerator – quantity per pack	1	
EAN/UPC - Product/Case	8710163335674	
Numerator – packs per outer box	1	
EAN/UPC - Case	8710163335674	

IK07 [2 J reinforced]

Photobiological risk group 0 @200mm to

Safety class I

EN62778

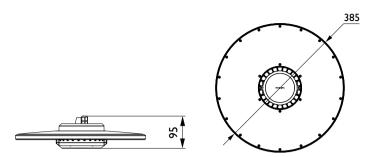
Approval and Application

Ingress protection code

IP65 [Dust penetration-protected, jetproof]

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Dimensional drawing





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