PHILIPS Lighting



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 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 Gen4 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
Light source engine type	LED
Service tag	Yes
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 Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	144 lm/W

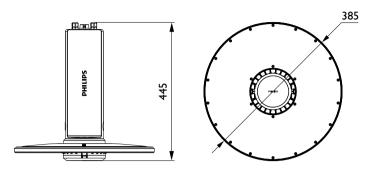
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Color rendering index (CRI)	>80
Beam angle of light source	90 x 90 degree(s)
Light source color	
Optic type	840 neutral white Wide beam
Optical cover type	Polycarbonate bowl/cover
	90°
Luminaire light beam spread	
Unified glare rating CEN	24
Operating 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
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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	Aluminum
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Aluminum
Housing Color	Gray
Optical cover 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 te
	EN62778
Initial Deuterman of (IEC Compliant)	
Initial Performance (IEC Compliant)	. / 10%
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM <5
Power consumption tolerance	+/-10%
Over Time Performance (IEC Compliant	t)
Driver failure rate at 5000 h	0.3 %
Control gear failure rate at median useful life	5 %
50000 h	
Lumen maintenance at median useful life*	L80
50000 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 product code	871016333703600
Order code	911401574551
Material Nr. (12NC)	911401574551
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8710163337036
Numerator - Packs per outer box EAN/UPC - Case	1 8710163337036

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Dimensional drawing





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