

Coreline Highbay Gen4

BY121P G4 LED200S/840 PSD NB

Coreline Highbay Gen4, 146 W, 20500 lm, 4000 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	20,500 lm
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	140 lm/W
Colour rendering index (CRI)	>80
Beam angle of light source	55 degree(s)

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Light source colour	840 neutral white
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	146 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	450 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 50,000 h	5 %
Lumen maintenance at median useful life* 50,000 h	L80

Application Conditions

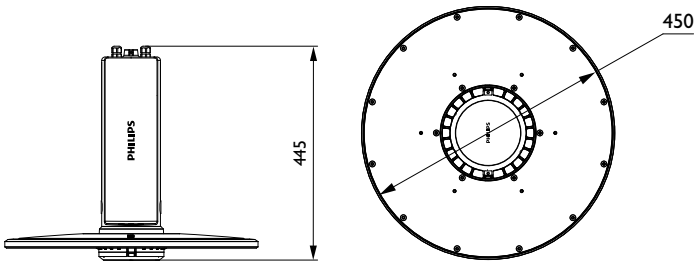
Performance ambient temperature Tq	35 °C
Maximum dim level	1%
Suitable for random switching	Yes

Product Data

Order product name	BY121P G4 LED200S/840 PSD NB
Full product name	BY121P G4 LED200S/840 PSD NB
Full EOC	871016333698500
Order code	33698500
Material no. (12 NC)	911401574651
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8710163336985
Numerator – packs per outer box	1
EAN/UPC - Case	8710163336985

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Dimensional drawing



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