



Coreline Highbay Gen4

BY122P G4 LED250S/840 IAI NB IP65

Power supply unit - Beam angle 55° - 55°

Following the success of the previous-generation CoreLine High-bay, the upgrade to a new generation further improves performance with new innovation design and provides higher efficiency, longer lifetime (to further improve the total cost of ownership) and optional DALI dimming for even further savings. Designed as a replacement for HPI 250/400 W luminaires, CoreLine High-bay G4 offers customers all the benefits of LED lighting – fresh light quality, longer service lifetime, reduced energy consumption and less maintenance – from a trusted manufacturer. At the same time, it delivers clear benefits for the installer too. The luminaire can be installed on the existing grid; electrical connection is straightforward – there is no need to open the luminaire for installation or servicing; and being smaller and lighter than conventional luminaires, it is very easy to handle

Product data

General Information			
Light source colour	840 neutral white	Glow-wire test	Temperature 650 °C, duration 30 s
Light source replaceable	No	Flammability mark	NO [-]
Number of gear units	2 units	CE mark	CE mark
Driver/power unit/transformer	PSU [Power supply unit]	ENEC mark	-
Driver included	Yes	Warranty period	5 years
Optic type	Beam angle 55°	Constant light output	No
Luminaire light beam spread	55°	Number of products on MCB (16 A type B)	4
Connection	Push-in connector 3-pole	EU RoHS compliant	Yes
Cable	Cable 0.3 m with connector 3-pole	Unified glare rating CEN	24
Protection class IEC	Safety class I		

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Operating and Electrical

Input Voltage	220 to 240 V
Input frequency	50 or 60 Hz
Inrush current	70 A
Inrush time	450 ms
Power factor (min.)	0.95

Controls and Dimming

Dimmable	Yes
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Mechanical and Housing

Housing material	Aluminium Alloy
Reflector material	Polycarbonate
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	Aluminium
Optical cover/lens finish	Frosted
Overall length	510 mm
Overall width	510 mm
Overall height	460 mm
Colour	Grey
Dimensions (height x width x depth)	460 x 510 x 510 mm (18.1 x 20.1 x 20.1 in)

Approval and Application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK05 [0.7 J]

Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	25000 lm
Luminous flux tolerance	+/-10%

Initial LED luminaire efficacy	135 lm/W
Init. Corr. Colour Temperature	4000 K
Init. Colour rendering index	>80
Initial chromaticity	(0.381,0.378)SDCM<=5
Initial input power	183 W
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

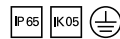
Control gear failure rate at median useful life 50,000 h	5 %
Lumen maintenance at median useful life* 50,000 h	L80

Application Conditions

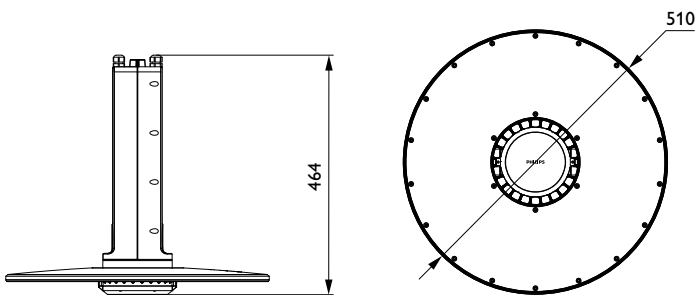
Ambient temperature range	0 to +40 °C
Performance ambient temperature Tq	35 °C
Maximum dimming level	10%
Suitable for random switching	Yes

Product Data

Full product code	871016336572500
Order product name	BY122P G4 LED250S/840 IAI NB IP65
EAN/UPC – product	8710163365725
Order code	36572500
SAP numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (12 NC)	911401583761
SAP net weight (piece)	10.000 kg



Dimensional drawing



CoreLine High-bay BY120P/BY121P EU

