PHILIPS Lighting



CoreLine Highbay

BY121P G3 LED205S/865 PIR WB GR

LED module, system flux 20500 lm, 865 cool daylight, Power supply unit (On/Off), Wide beam, Grey

Following the successful introduction of the CoreLine High-bay in 2013, the upgrade to a new generation of LEDs has further improved color rendering and total cost of ownership. Designed as a replacement for HPI 250/400 W luminaires, CoreLine High-bay offers customers all the benefits of LED lighting – fresh light quality, longer service lifetime, reduced energy consumption and 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		Lightin
Lamp family code	LED205S [LED module, system flux 20500	CE mar
	lm]	Warrar
Light source replaceable	No	Flamm
Number of gear units	1 unit	
Driver included	Yes	ENEC r
Remarks	*-Per Lighting Europe guidance paper	Glow-
	"Evaluating performance of LED based	EU Rol
	luminaires - January 2018": statistically there	
	is no relevant difference in lumen	Light
	maintenance between B50 and for example	Lumino
	B10. Therefore, the median useful life (B50)	Correla
	value also represents the B10 value.	Lumino
Light source engine type	LED	Color r
Service tag	Yes	

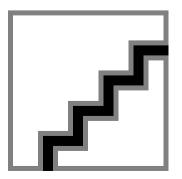
Lighting Technology	LED
CE mark	CE mark
Warranty period	3 years + 2 years upon registration
Flammability mark	For mounting on normally flammable
	surfaces
ENEC mark	-
Glow-wire test	Temperature 650 °C, duration 5 s
EU RoHS compliant	Yes
Light Technical	
Luminous Flux	20,500 lm
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	130 lm/W
Color rendering index (CRI)	≥80

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Number of light sources	1
Beam angle of light source	- degree(s)
Light source color	865 cool daylight
Optic type	Wide beam
Optical cover type	Polycarbonate bowl/cover
Luminaire light beam spread	100°
Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	53 A
Inrush time	0.3 ms
Power Consumption	155 W
Power Factor (Fraction)	0.9
Connection	Connection unit 3-pole
Cable	Cable 0.5 m with cable connector 3-pole
Number of products on MCB of 16 A type	8
В	
Temperature	
Ambient temperature range	-30 to +45 °C
Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	-
Constant light output	No
Mechanical and Housing	
Housing Material	Aluminum
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	-
Housing Color	Grey
Optical cover finish	Clear
Overall length	454 mm
Overall width	452 mm

Overall height	
Overall diameter	452 mm
Dimensions (Height x Width x Depth)	152 x 452 x 454 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
Initial Performance (IEC Compliant)
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM <5
Power consumption tolerance	+/-10%
Over Time Performance (IEC Comp	liant)
Control gear failure rate at median usefu	5 %
life 50000 h Lumen maintenance at median useful life 50000 h	
life 50000 h Lumen maintenance at median useful life 50000 h Application Conditions	* L70
life 50000 h Lumen maintenance at median useful life 50000 h Application Conditions Performance ambient temperature Tq	* L70 25 °C
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life 50000 h Lumen maintenance at median useful life 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level	* L70 25 °C 25%
life 50000 h Lumen maintenance at median useful life 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching	* L70 25 °C 25%
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Dimensional drawing



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