# **PHILIPS** Lighting



# **CoreLine Highbay**

# BY121P G3 LED205S/840 PSU WB GR

CoreLine Highbay, 155 W, 20500 lm, 4000 K, 100°

Following the successful introduction of the CoreLine High-bay in 2013, the upgrade to a new generation of LEDs has further improved colour 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		
Lamp family code	LED205S [LED module, system flux 20500	
	lm]	
Light source replaceable	No	
Number of gear units	Unit	
Driver included	Yes	
Remarks	*- According to the Lighting Europe guidance	
	paper 'Evaluating performance of LED based	
	luminaires – January 2018': statistically there	
	is no relevant difference in lumen	
	maintenance between the B50 and, for	
	example, the B10. Therefore, the median	
	useful life (B50) value also represents the B10	
	value.	
Light source engine type	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 Colour Temperature	4000 K	
Luminous efficacy (rated) (nom.)	130 lm/W	
Colour rendering index (CRI)	≥80	
Beam angle of light source	- degree(s)	
Light source colour	840 neutral white	
Optic type	Wide beam	
Optical cover type	Polycarbonate bowl/cover	

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Luminaire light beam spread	100°	Dimensions (height x width x depth)
Operating and Electrical		Approval and Application
Input Voltage	220 to 240 V	Ingress protection code
Line Frequency	50 to 60 Hz	Mech. impact protection code
Average CLO power consumption	false W	Protection class IEC
Inrush current	46 A	
Inrush time	0.44 ms	Initial Performance (IEC Complia
Power Consumption	155 W	Luminous flux tolerance
Power Factor (Fraction)	0.9	Initial chromaticity
Connection	Connection unit 3-pole	Power consumption tolerance
Cable	Cable 0.5 m with cable connector 3-pole	
Number of products on MCB of 16 A ty	pe 11	Over Time Performance (IEC Cor
В		Control gear failure rate at median us
		- life 50,000 h
Temperature		Lumen maintenance at median useful
Ambient temperature range	-30 to +45 °C	life* 50,000 h
Controls and Dimming		Application Conditions
Dimmable	No	Performance ambient temperature Tq
Driver/power unit/transformer	Power supply unit (On/Off)	 Maximum dim level
Control interface	-	Suitable for random switching
Constant light output	No	
		Product Data
Mechanical and Housing		Order product name
Housing material	Aluminium	Full product name
Reflector material		 Full EOC
Optic material	Polycarbonate	Order code
Optical cover/lens material	Polycarbonate	Material no. (12 NC)
Fixation material	-	SAP numerator – quantity per pack
Housing Colour	Grey	EAN/UPC — Product/Case
Optical cover/lens finish	Clear	Numerator – packs per outer box
Overall length	454 mm	EAN/UPC - Case
Overall width	452 mm	
Overall height	152 mm	-

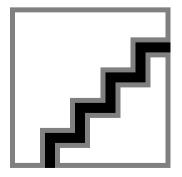
Protection class IEC	Safety class I	
Initial Performance (IEC Compliant	t)	
Luminous flux tolerance	+/-10%	
Initial chromaticity	(0.38, 0.38) SDCM <5	
Power consumption tolerance	+/-10%	
Over Time Performance (IEC Compliant)		
Control gear failure rate at median usefu	ul 5%	
life 50,000 h		
Lumen maintenance at median useful	L70	
life* 50,000 h		
Application Conditions		
Performance ambient temperature Tq	25 °C	
Maximum dim level	Not applicable	
Suitable for random switching	Yes	
Product Data		
Order product name	BY121P G3 LED205S/840 PSU WB GR	
Full product name	BY121P G3 LED2055/840 PSU WB GR	
Full EOC	871016330145700	
Order code	30145700	
Material no. (12 NC)	911401505431	
SAP numerator – quantity per pack	1	
EAN/UPC — Product/Case	8710163301457	
Numerator – packs per outer box	1	
EAN/UPC - Case	8710163301457	

152 x 452 x 454 mm

IK07 [2 J reinforced]

IP65 [Dust penetration-protected, jet-proof]

#### Dimensional drawing



### **CoreLine Highbay**



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