



Essential SmartBright LowBay

BY088P LED20/NW OL

Essential SmartBright LowBay, 20 W, 1600 lm, 4000 K, 100°

Philips Essential SmartBright LowBay is a functional lighting by combining cost-efficiency with clean design. It offers customers all the benefits of LED lighting – reduced energy consumption, longer service time and less maintenance. Flexible, safe, and reliable, Essential SmartBright LowBay is a perfect LED replacement to conventional CFL LowBay system, allowing you to bright up your supermarkets, retail shops, and sports recreational spaces the smarter way.

Product data

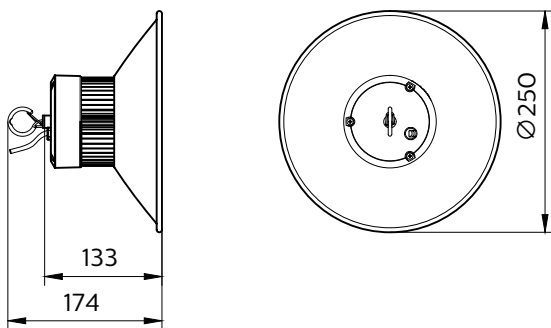
General Information			
Light source replaceable	No	Correlated Color Temperature (Nom)	4000 K
Number of gear units	1 unit	Luminous Efficacy (rated) (Nom)	80 lm/W
Driver included	Yes	Color rendering index (CRI)	≥80
Light source engine type	LED	Light source color	840 neutral white
Service tag	Yes	Optic type	Wide beam
CE mark	-	Optical cover type	Polycarbonate bowl/cover
Warranty period	1 years	Luminaire light beam spread	100°
Flammability mark	For mounting on normally flammable surfaces	Operating and Electrical	
ENEC mark	-	Input Voltage	220-240 V
Glow-wire test	Temperature 650 °C, duration 5 s	Line Frequency	50 or 60 Hz
EU RoHS compliant	Yes	Inrush current	8.2 A
Light Technical		Inrush time	30.8 ms
Luminous Flux	1,600 lm	Power Consumption	20 W
		Power Factor (Fraction)	0.9
		Connection	Flying leads/wires

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Cable	Cable 0.3 m without plug
Number of products on MCB of 16 A type B 148	
Temperature	
Ambient temperature range	-20 to +40 °C
Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	-
Constant light output	No
Mechanical and Housing	
Housing Material	Aluminum
Reflector material	Aluminum
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	-
Housing Color	Gray and black
Optical cover finish	Frosted
Overall height	133 mm
Overall diameter	250 mm
Approval and Application	
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK03 [0.3 J]

Protection class IEC	Safety class I
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	SDCM<5
Power consumption tolerance	+/-10%
Over Time Performance (IEC Compliant)	
Median useful life L70B50	15,000 hour(s)
Application Conditions	
Suitable for random switching	No
Product Data	
Order product name	BY088P LED20/NW OL
Full product name	BY088P LED20/NW OL
Full product code	692382862557300
Order code	911401669003
Material Nr. (12NC)	911401669003
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	6923828625573
Numerator - Packs per outer box	1
EAN/UPC - Case	6923828625573

Dimensional drawing



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