

Essential SmartBright LowBay

BY088P LED20/WW OL

Essential SmartBright LowBay, 20 W, 1600 lm, 3000 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
Number of gear units	1 unit
Driver included	Yes
Light source engine type	LED
Service tag	Yes
CE mark	-
Warranty period	1 years
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	1,600 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	80 lm/W
Color rendering index (CRI)	≥80
Light source color	830 warm white
Optic type	Wide beam
Optical cover type	Polycarbonate bowl/cover
Luminaire light beam spread	100°

Operating and Electrical	
Input Voltage	220-240 V
Line Frequency	50 or 60 Hz
Inrush current	8.2 A
Inrush time	30.8 ms
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)

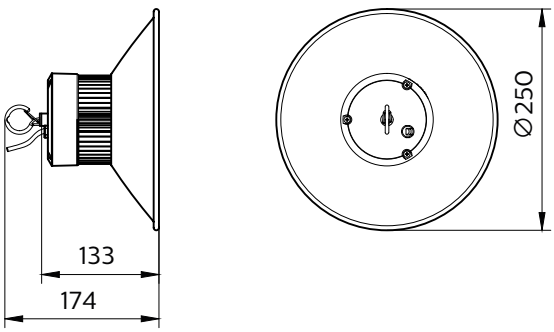
Application Conditions

Suitable for random switching	No

Product Data

Order product name	BY088P LED20/WW OL
Full product name	BY088P LED20/WW OL
Full product code	692382862558000
Order code	911401669103
Material Nr. (12NC)	911401669103
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	6923828625580
Numerator - Packs per outer box	1
EAN/UPC - Case	6923828625580

Dimensional drawing





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