Essential SmartBright LowBay

BY088P LED20/CW OL

Power supply unit – Wide beam – Polycarbonate bowl/cover – 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 color	865 cool daylight
Light source replaceable	No
Number of gear units	1 unit
Driver/power unit/transformer	Power supply unit
Driver included	Yes
Optic type	Wide beam
Optical cover/lens type	Polycarbonate bowl/cover
Luminaire light beam spread	100°
Control interface	–
Connection	Flying leads/wires
Cable	Cable 0.3 m without plug
Protection class IEC	Safety class I
Glow-wire test	Temperature 650 °C, duration 5 s

Flammability mark	For mounting on normally flammable surfaces
CE mark	–
ENEC mark	–
Warranty period	1 years
Constant light output	No
Number of products on MCB of 16 A type B	148
EU RoHS compliant	Yes
Light source engine type	LED
Service tag	Yes

Operating and electrical

Input Voltage	220-240 V
Input Frequency	50 or 60 Hz
Inrush current	8.2 A

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Inrush time	30.8 ms
Power Factor (Min)	0.9

Controls and dimming

Dimmable	No

Mechanical and housing

Housing Material	Aluminum
Reflector material	Aluminum
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	–
Optical cover/lens finish	Frosted
Overall height	133 mm
Overall diameter	250 mm
Color	Gray and black
Dimensions (Height x Width x Depth)	133 x NaN x NaN mm

Approval and application

Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK03 [0.3 J]

Initial performance (IEC compliant)

Initial luminous flux (system flux)	1600 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	80 lm/W

Init. Corr. Color Temperature	6500 K
Init. Color Rendering Index	≥80
Initial chromaticity	SDCM<5
Initial input power	20 W
Power consumption tolerance	+/-10%

Over time performance (IEC compliant)

Median useful life L70B50	15000 h

Application conditions

Ambient temperature range	–20 to +40 °C
Suitable for random switching	No

Product data

Full product code	692382862556600
Order product name	BY088P LED20/CW OL
EAN/UPC – Product	6923828625566
Order code	911401668903
Numerator – Quantity Per Pack	1
Numerator – Packs per outer box	1
Material Nr. (12NC)	911401668903
Net Weight (Piece)	0.709 kg

Dimensional drawing
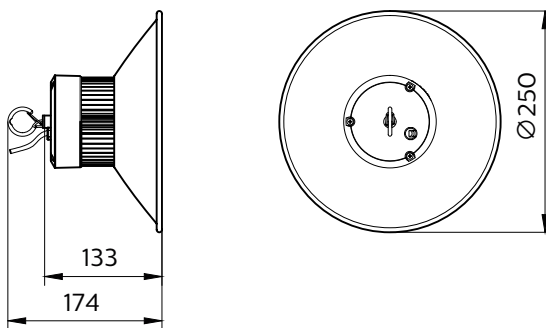
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www.lighting.philips.com

2022, August 10 – data subject to change