PHILIPS Lighting



Essential SmartBright LowBay

BY088P LED20/NW

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

Philips Essential SmartBright LowBay is a functional lighting by combining costefficiency 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
Flammability mark	For mounting on normally flammable surfaces
Flammability markENEC mark	
ENEC mark	surfaces -
ENEC mark Glow-wire test	surfaces - Temperature 650 °C, duration 5 s
ENEC mark Glow-wire test	surfaces - Temperature 650 °C, duration 5 s
ENEC mark Glow-wire test EU RoHS compliant	surfaces - Temperature 650 °C, duration 5 s

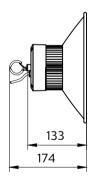
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	80 lm/W
Color rendering index (CRI)	≥80
Light source color	840 neutral white
Optic type	Wide beam
Optical cover type	Polycarbonate bowl/cover
Luminaire light beam spread	100°
Operating and Electrical	
Input Voltage	220-240 V
Line 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

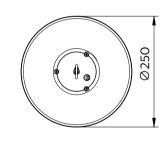
Essential SmartBright LowBay

Cable	Cable 0.3 m without plug	Protection class IEC	Safety class I	
Number of products on MCB of 16 A t	:ype B 148			
		Initial Performance (IEC Complia	Initial Performance (IEC Compliant)	
Temperature		Luminous flux tolerance	+/-10%	
Ambient temperature range	-20 to +40 °C	Initial chromaticity	SDCM<5	
		Power consumption tolerance	+/-10%	
Controls and Dimming				
Dimmable	No	Over Time Performance (IEC Co	Over Time Performance (IEC Compliant)	
Driver/power unit/transformer	Power supply unit (On/Off)	Median useful life L70B50	15,000 hour(s)	
Control interface	-			
Constant light output	No	Application Conditions		
		Suitable for random switching	No	
Mechanical and Housing				
Housing Material	Aluminum	Product Data		
Reflector material	Aluminum	Order product name	BY088P LED20/NW	
Optic material	Polycarbonate	Full product name	BY088P LED20/NW	
Optical cover material	Polycarbonate	Full product code	692382862566500	
Fixation material	-	Order code	911401667903	
Housing Color	Gray and black	Material Nr. (12NC)	911401667903	
Optical cover finish	Frosted	Numerator - Quantity Per Pack	1	
Overall height	133 mm	EAN/UPC - Product/Case	6923828625665	
Overall diameter	250 mm	Numerator - Packs per outer box	1	
		EAN/UPC - Case	6923828625665	
Approval and Application				
Ingress protection code	IP20 [Finger-protected]			

Dimensional drawing

Mech. impact protection code





IK03 [0.3 J]

Essential SmartBright LowBay



© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.

www.lighting.philips.com 2023, October 26 - data subject to change