PHILIPS Lighting



Essential SmartBright LowBay

BY088P LED20/NW OL

Power supply unit - Wide beam - Polycarbonate bowl/cover - 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 color	840 neutral white
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	

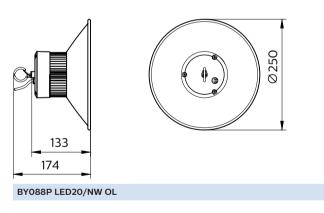
Essential SmartBright LowBay

Inrush time	30.8 ms	Init. Co
Power Factor (Min)	0.9	Init. Co
		Initial
Controls and dimming		Initial
Dimmable	No	Power
Mechanical and housing		Over
Housing Material	Aluminum	Media
Reflector material	Aluminum	
Optic material	Polycarbonate	Appli
Optical cover/lens material	Polycarbonate	Ambie
Fixation material	-	Suitab
Optical cover/lens finish	Frosted	
Overall height	133 mm	Produ
Overall diameter	250 mm	Full pr
Color	Gray and black	Order
Dimensions (Height x Width x Depth)	133 x NaN x NaN mm	EAN/U
		Order
Approval and application		Numer
Ingress protection code	IP20 [Finger-protected]	Numer
Mech. impact protection code	IK03 [0.3 J]	Materi
		Net We
Initial performance (IEC compliant)	
Initial luminous flux (system flux)	1600 lm	
Luminous flux tolerance	+/-10%	F 650
Initial LED luminaire efficacy	80 lm/W	

Init. Corr. Color Temperature	4000 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	
Suitable for random switching	No	
Suitable for random switching Product data	No	
	No 692382862557300	
Product data		
Product data Full product code	692382862557300	
Product data Full product code Order product name	692382862557300 BY088P LED20/NW OL	
Product data Full product code Order product name EAN/UPC - Product	692382862557300 BY088P LED20/NW OL 6923828625573	
Product data Full product code Order product name EAN/UPC - Product Order code	692382862557300 BY088P LED20/NW OL 6923828625573 911401669003	
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Product data Full product code Order product name EAN/UPC - Product Order code Numerator - Quantity Per Pack Numerator - Packs per outer box	692382862557300 BY088P LED20/NW OL 6923828625573 911401669003 1 1	



Dimensional drawing



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