



Essential SmartBright LED Downlight

DN027B LED6/CW D90 RD

Essential SmartBright G2 LED Downlight is value for money product with high efficacy, good quality and reliability. It offers multiple configurations from 300lm to 2000lm output, to replace conventional downlight. It can be used for shopping mall, retail store, residential and office. It's an ideal product family to distribute in trade market.

Product data

General Information	
Light source replaceable	No
Lighting Technology	LED
Warranty period	1 years
Light Technical	
Luminous Flux	600 lm
Correlated Color Temperature (Nom)	6500 K
Color rendering index (CRI)	80
Light source color	3000/4000/6500
Luminaire light beam spread	110°
Operating and Electrical	
Line Frequency	50 or 60 Hz
Input Frequency	50 or 60 Hz
Power Consumption	7 W
Power Factor (Fraction)	0.7
Connection	Flying leads/wires

Overall width 33 mm		
Controls and Dimming Dimmable No Driver/power unit/transformer Power supply unit (On/Off) Mechanical and Housing Housing Material Polycarbonate Optic material Polycarbonate Housing Color White Overall length 33 mm Overall width 33 mm Overall height 33 mm Overall diameter Dimensions (Height x Width x Depth) 33 x 33 x 33 mm	Temperature	
Dimmable No Driver/power unit/transformer Power supply unit (On/Off) Mechanical and Housing Housing Material Plastic Reflector material Polycarbonate Optic material Polycarbonate Housing Color White Overall length 33 mm Overall width 33 mm Overall height 33 mm Overall diameter Dimensions (Height x Width x Depth) 33 x 33 x 33 mm	Ambient temperature range	-20 to +40 °C
Dimmable No Driver/power unit/transformer Power supply unit (On/Off) Mechanical and Housing Housing Material Plastic Reflector material Polycarbonate Optic material Polycarbonate Housing Color White Overall length 33 mm Overall width 33 mm Overall height 33 mm Overall diameter Dimensions (Height x Width x Depth) 33 x 33 x 33 mm		
Driver/power unit/transformer Power supply unit (On/Off) Mechanical and Housing Housing Material Polycarbonate Optic material Polycarbonate Housing Color White Overall length Overall width Overall height Overall diameter Dimensions (Height x Width x Depth) Power supply unit (On/Off) Plastic Polycarbonate Polycarbonate White 33 mm 33 mm 33 mm 33 mm 33 mm 33 mm 34 mm 35 mm 36 mm 37 mm 38 mm 39 mm 30 mm 30 mm 30 mm 30 mm 31 mm 32 mm	Controls and Dimming	
Mechanical and Housing Housing Material Plastic Reflector material Polycarbonate Optic material Polycarbonate Housing Color White Overall length 33 mm Overall width 33 mm Overall height 33 mm Overall diameter 115 mm Dimensions (Height x Width x Depth) 33 x 33 x 33 mm	Dimmable	No
Housing Material Plastic Reflector material Polycarbonate Optic material Polycarbonate Housing Color White Overall length 33 mm Overall width 33 mm Overall height 33 mm Overall diameter 115 mm Dimensions (Height x Width x Depth) 33 x 33 x 33 mm	Driver/power unit/transformer	Power supply unit (On/Off)
Housing Material Plastic Reflector material Polycarbonate Optic material Polycarbonate Housing Color White Overall length 33 mm Overall width 33 mm Overall height 33 mm Overall diameter 115 mm Dimensions (Height x Width x Depth) 33 x 33 x 33 mm	Machanian and Hausina	
Reflector material Polycarbonate Optic material Polycarbonate Housing Color White Overall length 33 mm Overall width 33 mm Overall height 33 mm Overall diameter 115 mm Dimensions (Height x Width x Depth) 33 x 33 x 33 mm	Mechanical and Housing	
Optic material Polycarbonate Housing Color White Overall length 33 mm Overall width 33 mm Overall height 33 mm Overall diameter 115 mm Dimensions (Height x Width x Depth) 33 x 33 x 33 mm	Housing Material	Plastic
Housing Color White Overall length 33 mm Overall width 33 mm Overall height 33 mm Overall diameter Dimensions (Height x Width x Depth) 33 x 33 x 33 mm	Reflector material	Polycarbonate
Overall length 33 mm Overall width 33 mm Overall height 33 mm Overall diameter 115 mm Dimensions (Height x Width x Depth) 33 x 33 x 33 mm	Optic material	Polycarbonate
Overall width 33 mm Overall height 33 mm Overall diameter 115 mm Dimensions (Height x Width x Depth) 33 x 33 x 33 mm	Housing Color	White
Overall height 33 mm Overall diameter 115 mm Dimensions (Height x Width x Depth) 33 x 33 x 33 mm	Overall length	33 mm
Overall diameter 115 mm Dimensions (Height x Width x Depth) 33 x 33 x 33 mm	Overall width	33 mm
Dimensions (Height x Width x Depth) 33 x 33 x 33 mm	Overall height	33 mm
(g	Overall diameter	115 mm
Approval and Application	Dimensions (Height x Width x Depth)	33 x 33 x 33 mm
Approval and Application		
	Approval and Application	
Ingress protection code IP20 [Finger-protected]	Ingress protection code	IP20 [Finger-protected]

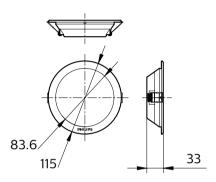
Datasheet, 2023, April 30 data subject to change

Essential SmartBright LED Downlight

Mech. impact protection code	IK02 [0.2 J standard]
Protection class IEC	Safety class II
Initial Performance (IEC Compliant)	
Initial chromaticity	SDCM<5
Power consumption tolerance	+/-10%
Product Data	
Order product name	DN027B LED6/CW D90 RD
Full product name	DN027B LED6/CW D90 RD

Full product code	871016330867899
Order code	30867899
Material Nr. (12NC)	911401810197
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8710163308678
Numerator - Packs per outer box	24
EAN/UPC - Case	8710163309552

Dimensional drawing



Photometric data



Circulat Phonometric 4.5 Philips Lighting B.V. Page: UT

90°
60°
100
60°
30°
(cd/1000[m) 0°

180°

120°

Light Distribution Diagram - DN027B LED6/CW D90 RD

120°

General uniform lighting - DN027B LED6/CW D90 RD



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