



Essential SmartBright LED Downlight

DN027B LED6/NW L150 SQ

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)	4000 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

Temperature Ambient temperature range -20 to +40 °C Controls and Dimming 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 175 mm Overall width 175 mm Overall height 33 mm Overall diameter 225 mm Dimensions (Height x Width x Depth) 33 x 175 x 175 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 175 mm Overall width 175 mm Overall height 33 mm Overall diameter 225 mm Dimensions (Height x Width x Depth) Approval and Application	Temperature	
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 175 mm Overall width 175 mm Overall height 33 mm Overall diameter Dimensions (Height x Width x Depth) Approval and Application	Ambient temperature range	-20 to +40 °C
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 175 mm Overall width 175 mm Overall height 33 mm Overall diameter Dimensions (Height x Width x Depth) Approval and Application		
Driver/power unit/transformer Power supply unit (On/Off) Mechanical and Housing Housing Material Polycarbonate Optic material Polycarbonate Housing Color White Overall length 175 mm Overall width 175 mm Overall height 33 mm Overall diameter 225 mm Dimensions (Height x Width x Depth) Approval and Application	Controls and Dimming	
Mechanical and Housing Housing Material Plastic Reflector material Polycarbonate Optic material Polycarbonate Housing Color White Overall length 175 mm Overall width 175 mm Overall height 33 mm Overall diameter 225 mm Dimensions (Height x Width x Depth) 33 x 175 x 175 mm Approval and Application	Dimmable	No
Housing Material Plastic Reflector material Polycarbonate Optic material Polycarbonate Housing Color White Overall length 175 mm Overall width 175 mm Overall height 33 mm Overall diameter 225 mm Dimensions (Height x Width x Depth) 33 x 175 x 175 mm Approval and Application	Driver/power unit/transformer	Power supply unit (On/Off)
Housing Material Plastic Reflector material Polycarbonate Optic material Polycarbonate Housing Color White Overall length 175 mm Overall width 175 mm Overall height 33 mm Overall diameter 225 mm Dimensions (Height x Width x Depth) 33 x 175 x 175 mm Approval and Application		
Reflector material Polycarbonate Optic material Polycarbonate Housing Color White Overall length 175 mm Overall width 175 mm Overall height 33 mm Overall diameter 225 mm Dimensions (Height x Width x Depth) 33 x 175 x 175 mm Approval and Application	Mechanical and Housing	
Optic material Polycarbonate Housing Color White Overall length 175 mm Overall width 175 mm Overall height 33 mm Overall diameter 225 mm Dimensions (Height x Width x Depth) 33 x 175 x 175 mm Approval and Application	Housing Material	Plastic
Housing Color White Overall length 175 mm Overall width 175 mm Overall height 33 mm Overall diameter 225 mm Dimensions (Height x Width x Depth) Approval and Application	Reflector material	Polycarbonate
Overall length 175 mm Overall width 175 mm Overall height 33 mm Overall diameter 225 mm Dimensions (Height x Width x Depth) 33 x 175 x 175 mm Approval and Application	Optic material	Polycarbonate
Overall width 175 mm Overall height 33 mm Overall diameter 225 mm Dimensions (Height x Width x Depth) 33 x 175 x 175 mm Approval and Application	Housing Color	White
Overall height 33 mm Overall diameter 225 mm Dimensions (Height x Width x Depth) 33 x 175 x 175 mm Approval and Application	Overall length	175 mm
Overall diameter 225 mm Dimensions (Height x Width x Depth) 33 x 175 x 175 mm Approval and Application	Overall width	175 mm
Dimensions (Height x Width x Depth) 33 x 175 x 175 mm Approval and Application	Overall height	33 mm
Approval and Application	Overall diameter	225 mm
	Dimensions (Height x Width x Depth)	33 x 175 x 175 mm
IDOO (Figure and a start of a	Approval and Application	
ingress protection code IP20 [Finger-protected]	Ingress protection code	IP20 [Finger-protected]

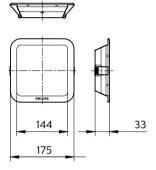
Datasheet, 2023, April 30 data subject to change

Essential SmartBright LED Downlight

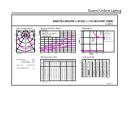
Mech. impact protection code	IK02 [0.2 J standard]
Protection class IEC	Safety class II
Initial Performance (IEC Compliant)	
Initial chromaticity	SDCM<5
Power consumption tolerance	+/-10%
Product Data	
Order product name	DN027B LED6/NW L150 SQ
Full product name	DN027B LED6/NW L150 SQ

Full product code	871016330914999
Order code	30914999
Material Nr. (12NC)	911401814897
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8710163309149
Numerator - Packs per outer box	24
EAN/UPC - Case	8710163310022

Dimensional drawing

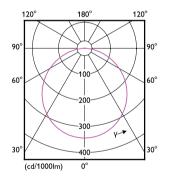


Photometric data



Calculus Processorics 4.2.1 Philips Lighting B.V. Pages UT

General uniform lighting - DN027B LED6/NW L150 SQ



Light Distribution Diagram - DN027B LED6/NW L150 SQ



© 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.