



# Essential SmartBright LED Downlight

# **DN027B LED12/WW D150 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	1,200 lm
Correlated Color Temperature (Nom)	3000 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	15 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 Polycarbonate  Optic material Polycarbonate  Optic material Polycarbonate  Housing Color White  Overall length 33 mm  Overall height 33 mm  Overall diameter 175 mm		
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 33 mm  Overall width 33 mm  Overall height 33 mm  Overall diameter 175 mm	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 33 mm Overall width 33 mm Overall height 175 mm	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 33 mm Overall width 33 mm Overall height 175 mm		
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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 175 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 175 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 175 mm		
Reflector material Polycarbonate Optic material Polycarbonate Housing Color White Overall length 33 mm Overall width 33 mm Overall height 33 mm Overall diameter 175 mm	Mechanical and Housing	
Optic material Polycarbonate Housing Color White Overall length 33 mm Overall width 33 mm Overall height 33 mm Overall diameter 175 mm	Housing Material	Plastic
Housing Color White Overall length 33 mm Overall width 33 mm Overall height 33 mm Overall diameter 175 mm	Reflector material	Polycarbonate
Overall length 33 mm Overall width 33 mm Overall height 33 mm Overall diameter 175 mm	Optic material	Polycarbonate
Overall width 33 mm Overall height 33 mm Overall diameter 175 mm	Housing Color	White
Overall height 33 mm Overall diameter 175 mm	Overall length	33 mm
Overall diameter 175 mm	Overall width	33 mm
	Overall height	33 mm
	Overall diameter	175 mm
<b>Dimensions (Height x Width x Depth)</b> 33 x 33 x 33 mm	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]

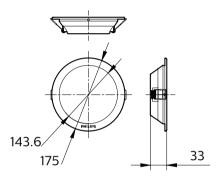
Datasheet, 2023, April 30 data subject to change

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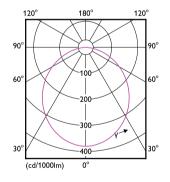
Mech. impact protection code	IK02 [0.2 J standard]
Protection class IEC	Safety class II
Initial Performance (IEC Compliant)	
Initial chromaticity	SDCM<5
Power consumption tolerance	+/-10%
Product Data	
Order product name	DN027B LED12/WW D150 RD
Full product name	DN027B LED12/WW D150 RD

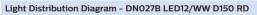
Full product code	911401812097
Order code	911401812097
Material Nr. (12NC)	911401812097
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8710163308869
Numerator - Packs per outer box	24
EAN/UPC - Case	8710163309743

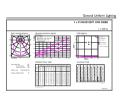
## Dimensional drawing



## Photometric data







ColorLeX Proconnector 45 Philips Lighting B.X. Project 117

General uniform lighting - DN027B LED12/WW D150 RD



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