PHILIPS

Lighting



Essential SmartBright LED Downlight

DN027B G3 LED12/NW 12W 220-240V D150 RD

Essential SmartBright LED Downlight, 12 W, 1300 lm, 4000 K, Beam angle 110°, White

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
Number of gear units	1 unit
Driver included	Yes
Lighting Technology	LED
Warranty period	3 years

Light Technical	
Luminous Flux	1,300 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	108.00 lm/W
Color rendering index (CRI)	80
Light source color	840 neutral white
Optic type	Beam angle 110°
Luminaire light beam spread	110°

Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Input Frequency	50 or 60 Hz
Inrush current	3.85 A
Inrush time	0.101 ms
Power Consumption	12 W
Power Factor (Fraction)	0.9
Cable	Cable 0.2 m without plug
Number of products on MCB of 16 A type B	74
Suitable for random switching	No
Protection class IEC	Safety class II

Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)

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Constant light output	No

Mechanical and Housing

Housing Material	Metal–Plastic
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Steel
Housing Color	White
Optical cover finish	Matte
Overall length	175 mm
Overall width	175 mm
Overall height	45 mm
Overall diameter	175 mm
Dimensions (Height x Width x Depth)	45 x 175 x 175 mm
Ingress protection code	IP20/40 [Finger-protected;Wire-protected]
Mech. impact protection code	IK03 [0.3 J]
Net Weight (Piece)	0.210 kg

Approval and Application

Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	For mounting on normally flammable surfaces
EU RoHS compliant	Yes
Ambient temperature range	-20 to +40 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(IEC4000K, 0.38, 0.38) < 5SDCM
Power consumption tolerance	+/-10%

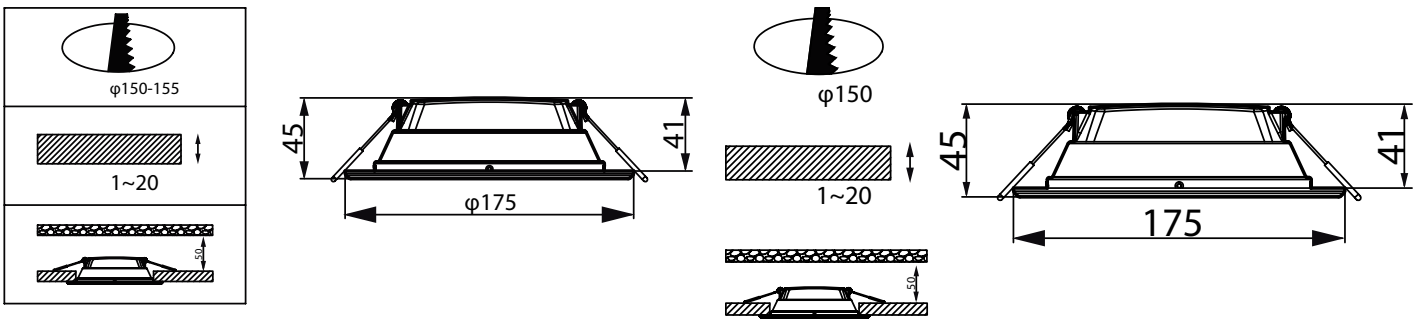
Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	0.012 %
Median useful life L70B50	30,000 hour(s)

Product Data

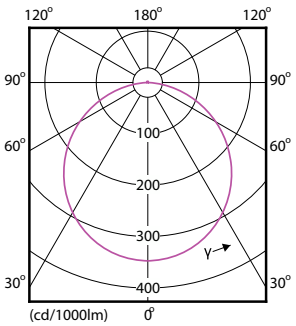
Order product name	DN027B G3 LED12/NW 12W 220-240V D150 RD
Full product name	DN027B G3 LED12/NW 12W 220-240V D150 RD
Full product code	871951434510200
Order code	929002673438
Material Nr. (12NC)	929002673438
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514345102
Numerator - Packs per outer box	24
EAN/UPC - Case	8719514345119

Dimensional drawing

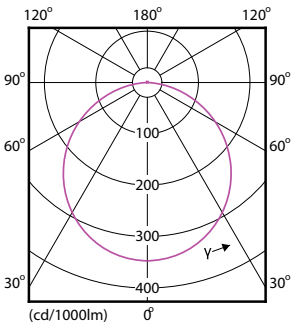


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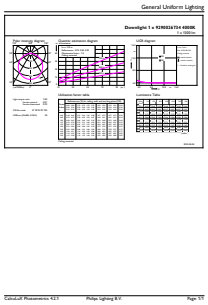
Photometric data



Light Distribution Diagram - DN027B G3 LED12/NW 12W 220-240V D150 RD



Light Distribution Diagram - DN027B G3 LED12/NW 12W 220-240V D150 RD



General uniform lighting - DN027B G3 LED12/NW 12W 220-240V D150 RD

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