Essential SmartBright LED Downlight

DN027B G3 LED12/NW 12W 220-240V 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 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	Beam angle 110°
Luminaire light beam spread	110°
Cable	Cable 0.2 m without plug
Protection class IEC	Safety class II
Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	For mounting on normally flammable surfaces
Warranty period	3 years
Constant light output	No
Number of products on MCB of 16 A type B	74
EU RoHS compliant	Yes

Light technical

Color Rendering Index (Nom)	80

Operating and electrical

Input Voltage	220 to 240 V
Input Frequency	50 or 60 Hz
Inrush current	3.85 A
Inrush time	0.101 ms
Power Factor (Min)	0.9

Controls and dimming

Dimmable	No

Mechanical and housing

Housing Material	Metal–Plastic
Reflector material	–
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	Steel
Optical cover/lens finish	Matte

data subject to change

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Overall length	175 mm
Overall width	175 mm
Overall height	45 mm
Overall diameter	175 mm
Color	White
Dimensions (Height x Width x Depth)	45 x 175 x 175 mm (1.8 x 6.9 x 6.9 in)

Approval and application

Ingress protection code	IP20(front IP40)
Mech. impact protection code	IK03 [0.3 J]

Initial performance (IEC compliant)

Initial luminous flux (system flux)	1300 lm
Luminous flux tolerance	+/–10%
Initial LED luminaire efficacy	108.00 lm/W
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	80
Initial chromaticity	(IEC4000K, 0.38, 0.38) < 5SDCM
Initial input power	12 W
Power consumption tolerance	+/–10%

Over time performance (IEC compliant)

Median useful life L70B50	30000 h

Application conditions

Ambient temperature range	–20 to +40 °C
Suitable for random switching	No

Product data

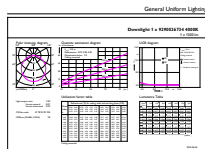|	
Full product code	871951434510200
Order product name	DN027B G3 LED12/NW 12W 220-240V D150 RD
EAN/UPC – Product	8719514345102
Order code	929002673438
Numerator – Quantity Per Pack	1
Numerator – Packs per outer box	24
Material Nr. (12NC)	929002673438
Copy Net Weight (Piece)	0.210 kg

Dimensional drawing
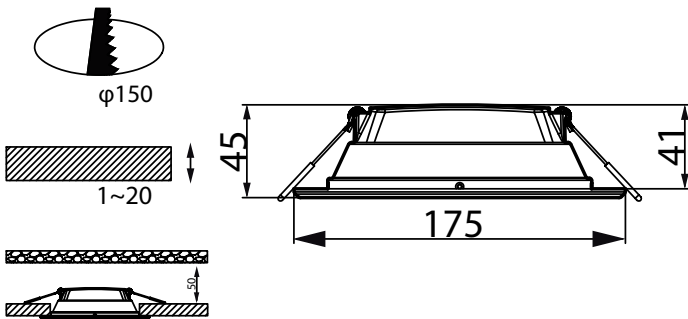
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Photometric data

Downlight DN027B G3 LED12 NW 12W D150 RD
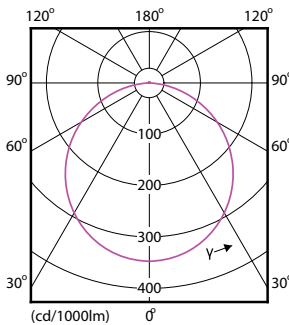
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