Essential SmartBright LED Downlight

DN027B G3 LED12/CW 12W 220-240V L150 SQ

Essential SmartBright LED Downlight, 12 W, 1300 lm, 6500 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.
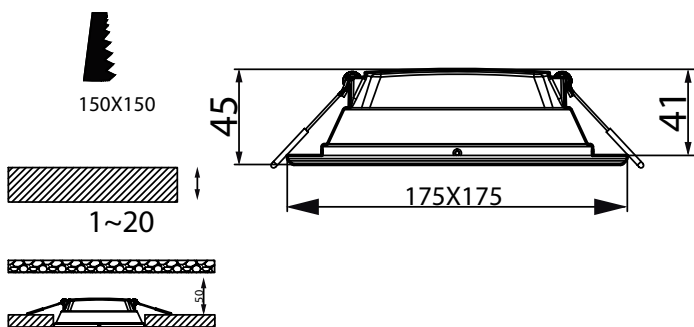
Product data

General Information

Light source replaceable	No
Number of gear units	1 unit
Driver included	Yes
Lighting Technology	LED
Warranty period	3 years
Flammability mark	For mounting on normally flammable surfaces
Glow-wire test	Temperature 650 °C, duration 30 s
EU RoHS compliant	Yes

Light Technical

Luminous Flux	1,300 lm
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	108.00 lm/W
Color rendering index (CRI)	80

Light source color	865 cool daylight
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

Essential SmartBright LED Downlight

Temperature

Ambient temperature range	–20 to +40 °C

Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
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
Dimensions (Height x Width x Depth)	45 x 175 x 175 mm

Approval and Application

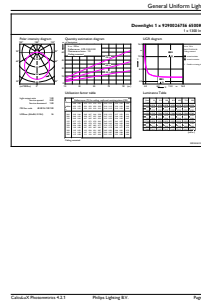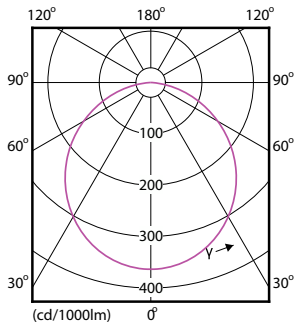|	
Ingress protection code	IP20/40 [Finger–protected, Emitting surface]
Mech. impact protection code	IK03 [0.3 J]
Protection class IEC	Safety class II

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/–10%
Initial chromaticity	(IEC6500K, 0.313, 0.337) < 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)

Application Conditions

Suitable for random switching	No

Product Data

Order product name	DN027B G3 LED12/CW 12W 220-240V L150 SQ
Full product name	DN027B G3 LED12/CW 12W 220-240V L150 SQ
Full product code	871951434542300
Order code	929002675638
Material Nr. (12NC)	929002675638
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8719514345423
Numerator – Packs per outer box	24
EAN/UPC – Case	8719514345430

Dimensional drawing

150X150

45

41

1~20

175X175

Essential SmartBright LED Downlight

Photometric data

Light Distribution Diagram – DN027B G3 LED12/CW 12W 220-240V L150 SQ

General uniform lighting – DN027B G3 LED12/CW 12W 220-240V L150 SQ

www.lighting.philips.com

2024, March 11 – data subject to change