PHILIPS

Lighting

Essential SmartBright LED Downlight

DN027C G3 LED12/NW 12W 220-240V D175

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

Metal–Plastic, White, Power supply unit (On/Off), 1300 lm, 12 W, 108.00 lm/W, 4000 K, (IEC4000K, 0.38, 0.38) < 5SDCM, Beam angle 110°, Matte, Polycarbonate, IP20/40 | Finger-protected;Wire-protected, IK03 | 0.3 J, Safety class II

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)
Constant light output	No

Mechanical and Housing	
Housing Material	Metal–Plastic

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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	27 mm
Overall diameter	175 mm
Dimensions (Height x Width x Depth)	27 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)	0.380 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%

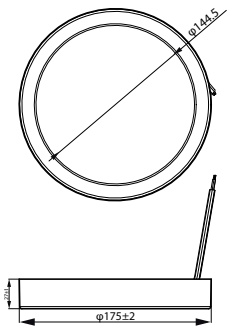
Over Time Performance (IEC Compliant)

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

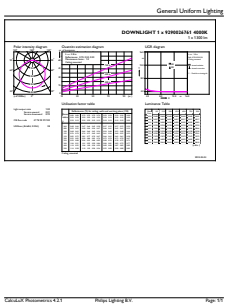
Product Data

Order product name	DN027C G3 LED12/NW 12W 220-240V D175
Full product name	DN027C G3 LED12/NW 12W 220-240V D175
Full product code	871951435107300
Order code	929002676138
Material Nr. (12NC)	929002676138
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514351073
Numerator - Packs per outer box	24
EAN/UPC - Case	8719514351080

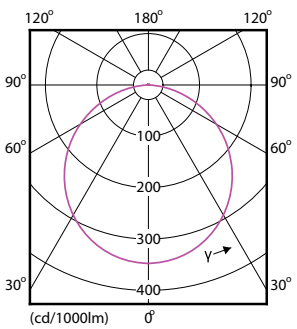
Dimensional drawing



Photometric data



General uniform lighting - DN027C G3 LED12/NW 12W 220-240V D175



Light Distribution Diagram - DN027C G3 LED12/NW 12W 220-240V D175

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2023, April 15 - data subject to change