![PHILIPS Lighting]

Essential SmartBright LED Downlight

DN027C G3 LED15/NW 15W 220-240V D200

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

Light Technical

Luminous Flux	1,600 lumen
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	106.00 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	4.35 A

Inrush time	0.1 ms
Power Consumption	15 W
Power Factor (Fraction)	0.9
Cable	Cable 0.2 m without plug
Number of products on MCB of 16 A type B	64

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/lens material	Polycarbonate
Fixation material	Steel

Essential SmartBright LED Downlight

Housing Color	White		Power consumption tolerance	+/-10%
Optical cover/lens finish	Matte			

Overall length	200 mm
Overall width	200 mm
Overall height	27 mm
Overall diameter	200 mm
Dimensions (Height x Width x Depth)	27 x 200 x 200 mm

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

Approval and Application

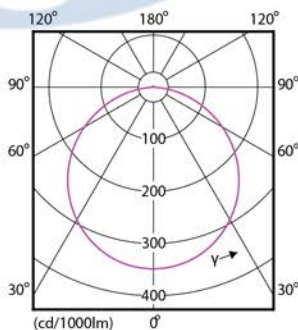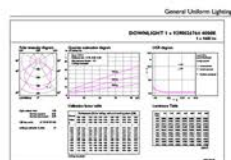|	
Ingress protection code	IP20/40 [Finger-protected, Emitting surface]
Mech. impact protection code	IK03 [0.3 J]
Protection class IEC	Safety class II
Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	For mounting on normally flammable surfaces
Warranty period	3 years
EU RoHS compliant	Yes

Product Data

Full product code	871951435113400
Order product name	DN027C G3 LED15/NW 15W 220-240V D200
Order code	929002676438
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	24
Material number (12NC)	929002676438
Full product name	DN027C G3 LED15/NW 15W 220-240V D200
EAN/UPC - Case	8719514351141

Initial Performance (IEC Compliant)

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

Dimensional drawing

φ169.5
φ200±2
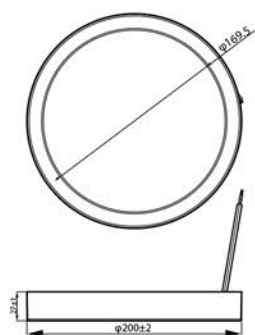
Photometric data

General uniform lighting – DN027C G3 LED15/NW 15W 220-240V D200

Light Distribution Diagram – DN027C G3 LED15/NW 15W 220-240V D200