



Essential SmartBright LED Downlight

DN020B G4 LED12/CW 13W 220-240V D150

Essential SmartBright LED Downlight, 13 W, 1200 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		Photobiological safety according to EN 62471	
Light source replaceable	No	RG0	
Number of gear units	1 unit		
Driver included	Yes		
Switching Cycle	10,000		
Value ladder	Value		
Warranty period	1 years		
Light Technical		Operating and Electrical	
Luminous Flux	1,200 lm	Input Voltage	220 to 240 V
Correlated Color Temperature (Nom)	6500 K	Input Frequency	50 or 60 Hz
Luminous Efficacy (rated) (Nom)	92 lm/W	Inrush time	0.14 ms
Color rendering index (CRI)	80	Power Consumption	13 W
Light source color	865 cool daylight	Power Factor (Fraction)	0.5
Optic type	Beam angle 110°	Connection	Flying leads/wires
Luminaire light beam spread	100°	Cable	Cable without plug 2-pole
		Suitable for random switching	Not applicable
		Protection class IEC	Safety class II
		Controls and Dimming	
		Dimmable	No

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Driver/power unit/transformer	Power supply unit
Constant light output	No

Mechanical and Housing

Housing Material	Plastic
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Steel
Housing Color	White
Optical cover finish	Frosted
Overall height	35 mm
Overall diameter	165 mm
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK03 [0.3 J]
Net Weight (Piece)	0.117 kg

Approval and Application

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

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(X=, 0.3117 ; Y=, 0.3273) 5SDCM
Power consumption tolerance	+/-10%

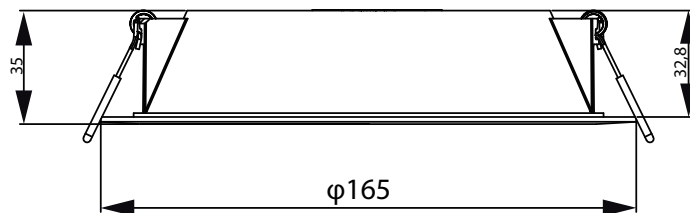
Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	1.2
Median useful life L70B50	20,000 hour(s)

Product Data

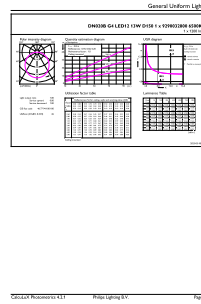
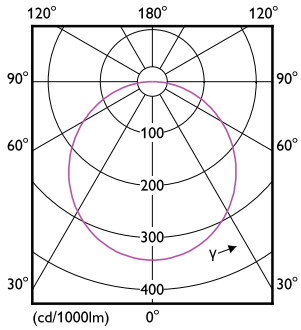
Order product name	DN020B G4 LED12/CW 13W 220-240V D150
Full product name	DN020B G4 LED12/CW 13W 220-240V D150
Full product code	871869977993100
Order code	929003280017
Material Nr. (12NC)	929003280017
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699779931
Numerator - Packs per outer box	30
EAN/UPC - Case	8718699779948

Dimensional drawing



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Photometric data



Light Distribution Diagram - DN020B G4 LED12/CW 13W 220-240V D150

General uniform lighting - DN020B G4 LED12/CW 13W 220-240V D150

