



Essential SmartBright LED Downlight

DN020B G4 LED6/WW 7W 220-240V D100

Essential SmartBright LED Downlight, 7 W, 550 lm, 3000 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	Operating and Electrical	
Switching Cycle	10,000	Input Voltage	220 to 240 V
Warranty period	1 years	Input Frequency	50 or 60 Hz
Light Technical		Inrush time	0.13 ms
Luminous Flux	550 lm	Power Consumption	7 W
Correlated Color Temperature (Nom)	3000 K	Power Factor (Fraction)	0.5
Luminous Efficacy (rated) (Nom)	78 lm/W	Connection	Flying leads/wires
Color rendering index (CRI)	80	Cable	Cable without plug 2-pole
Light source color	830 warm white	Suitable for random switching	Not applicable
Optic type	Beam angle 110°	Protection class IEC	Safety class II
Luminaire light beam spread	100°	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	115 mm
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK03 [0.3 J]
Net Weight (Piece)	0.066 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=, 0.4377 ; Y=, 0.4055) 5SDCM
Power consumption tolerance	+/-10%

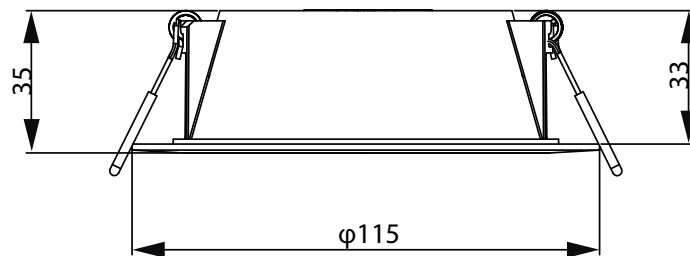
Over Time Performance (IEC Compliant)

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

Product Data

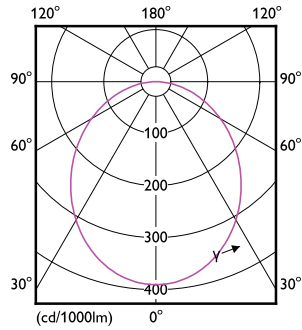
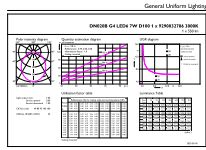
Order product name	DN020B G4 LED6/WW 7W 220-240V D100
Full product name	DN020B G4 LED6/WW 7W 220-240V D100
Full product code	872016917560000
Order code	929003278608
Material Nr. (12NC)	929003278608
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169175600
Numerator - Packs per outer box	50
EAN/UPC - Case	8720169175617

Dimensional drawing



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Photometric data



General uniform lighting - DN020B G4 LED6/WW 7W 220-240V D100

Light Distribution Diagram - DN020B G4 LED6/WW 7W 220-240V D100

