



# Essential SmartBright LED Downlight

## DN020B G4 LED15/WW 16W 220-240V D175

Essential SmartBright LED Downlight, 16 W, 1450 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
		Inrush time	0.13 ms
		Power Consumption	16 W
		Power Factor (Fraction)	0.5
		Connection	Flying leads/wires
		Cable	Cable without plug 2-pole
		Suitable for random switching	Not applicable
		Protection class IEC	Safety class II
Light Technical		Controls and Dimming	
Luminous Flux	1,450 lm	Dimmable	No
Correlated Color Temperature (Nom)	3000 K		
Luminous Efficacy (rated) (Nom)	90 lm/W		
Color rendering index (CRI)	80		
Light source color	830 warm white		
Optic type	Beam angle 110°		
Luminaire light beam spread	100°		

# Essential SmartBright LED Downlight

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	190 mm
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK03 [0.3 J]
Net Weight (Piece)	0.162 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%

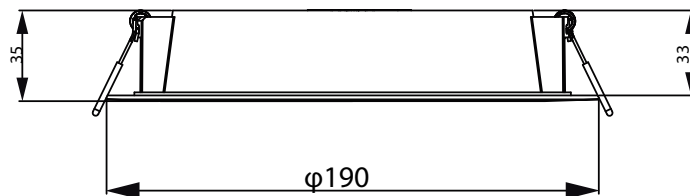
## Over Time Performance (IEC Compliant)

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

## Product Data

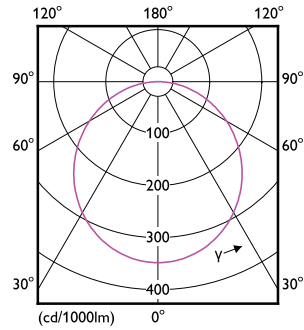
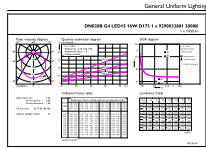
Order product name	DN020B G4 LED15/WW 16W 220-240V D175
Full product name	DN020B G4 LED15/WW 16W 220-240V D175
Full product code	871869977995500
Order code	929003280117
Material Nr. (12NC)	929003280117
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699779955
Numerator - Packs per outer box	30
EAN/UPC - Case	8718699779962

## Dimensional drawing



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## Photometric data



General uniform lighting - DN020B G4 LED15/WW 16W 220-240V D175

Light Distribution Diagram - DN020B G4 LED15/WW 16W 220-240V D175

