



# Essential SmartBright LED Downlight

## DN020B G4 LED6/NW 6W 220-240V D125

Essential SmartBright LED Downlight, 6 W, 600 lm, 4000 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
Value ladder	Value	Input Frequency	50 or 60 Hz
Warranty period	1 years	Inrush time	0.12 ms
		Power Consumption	6 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	600 lm	Dimmable	No
Correlated Color Temperature (Nom)	4000 K		
Luminous Efficacy (rated) (Nom)	100 lm/W		
Color rendering index (CRI)	80		
Light source color	840 neutral 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	140 mm
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK03 [0.3 J]
Net Weight (Piece)	0.086 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=, 0.3839 ; Y=, 0.3843) 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/NW 6W 220-240V D125
Full product name	DN020B G4 LED6/NW 6W 220-240V D125
Full product code	872016917568600
Order code	929003279008
Material Nr. (12NC)	929003279008
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169175686
Numerator - Packs per outer box	30
EAN/UPC - Case	8720169175693

## Dimensional drawing



