

PHILIPS

Lighting



Essential SmartBright LED Downlight

DN020B G3 LED20/WW 23W 220-240V D200 GM

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
Lighting Technology	LED

Light Technical

Luminous Flux	1,900 lumen
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	82.00 lm/W
Color rendering index (CRI)	80
Light source color	830 warm white
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
Power Consumption	23 W
Power Factor (Fraction)	0.5
Connection	Flying leads/wires

Temperature

Ambient temperature range	-20 to +40 °C
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Controls and Dimming

Dimmable	No
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Mechanical and Housing

Housing Material	Plastic
Reflector material	Polycarbonate
Optic material	Polycarbonate
Fixation material	Stainless steel
Housing Color	White
Optical cover/lens finish	Frosted
Overall length	90 mm
Overall width	90 mm
Overall height	38 mm
Overall diameter	225 mm
Dimensions (Height x Width x Depth)	38 x 90 x 90 mm

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Approval and Application

Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK03 [0.3 J]
Protection class IEC	Safety class II

Initial Performance (IEC Compliant)

Initial chromaticity	(0.4339, 0.4033) 6
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

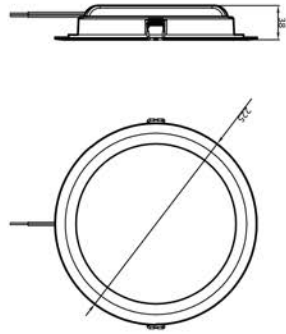
Driver failure rate at 5000 h	1.6 %
Median useful life L70B50	20,000 hour(s)

Product Data

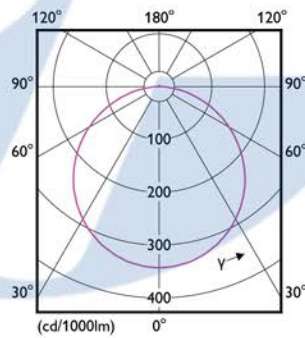
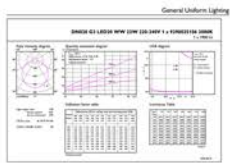
Full product code	871869977943600
Order product name	DN020B G3 LED20/WW 23W 220-240V D200 GM
Order code	929002510608
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	30
Material number (12NC)	929002510608
Full product name	DN020B G3 LED20/WW 23W 220-240V D200 GM
EAN/UPC - Case	8718699779443



Dimensional drawing



Photometric data

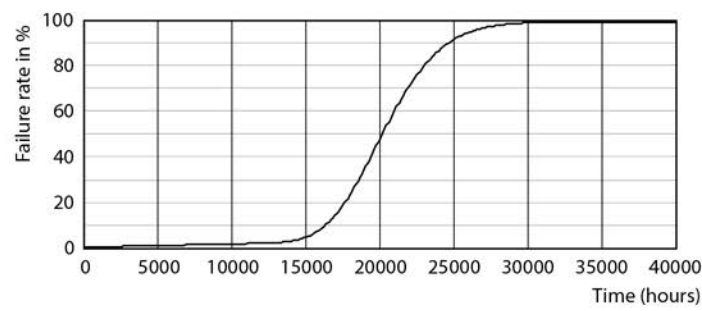
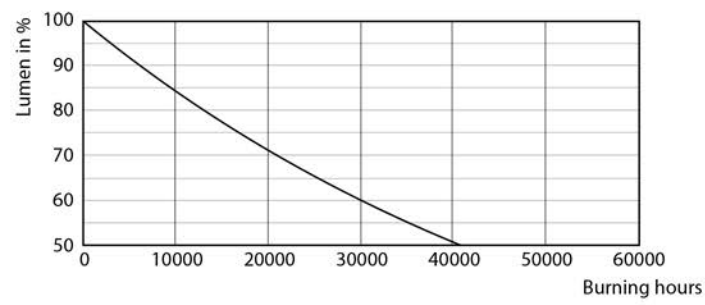


General uniform lighting - DN020B G3 LED20/WW 23W 220-240V D200 GM

Light Distribution Diagram - DN020B G3 LED20/WW 23W 220-240V D200 GM

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Lifetime



Lumen Maintenance Diagram - DN020B G3 LED20/WW 23W 220-240V D200 GM

Life Expectancy Diagram - DN020B G3 LED20/WW 23W 220-240V D200 GM

