PHILIPS

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

929003280117

Essential SmartBright LED Downlight, 16 W, 1450 lm, 3000 K, Beam angle 110°, White

Plastic, White, Power supply unit, 1450 lm, 16 W, 90 lm/W, 3000 K, (X=, 0.4377 ; Y=, 0.4055) 5SDCM, Beam angle 110°, Frosted, Polycarbonate, IP20 | Finger-protected, IK03 | 0.3 J, Safety class II, Flying leads/wires

General Information

Light source replaceable	No
Number of gear units	1 unit
Driver included	Yes
Switching Cycle	10,000
Warranty period	1 years

Light Technical

Luminous Flux	1,450 lm
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°
Photobiological safety according to EN 62471	RG0

Operating and Electrical

Input Voltage	220 to 240 V
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

Controls and Dimming

Dimmable	No
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 to +40 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(X=, 0.4377 ; Y=, 0.4055) 5SDCM
Power consumption tolerance	+/-10%

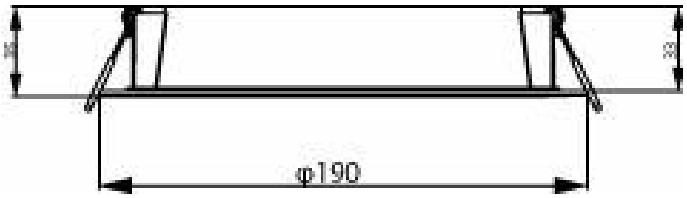
Over Time Performance (IEC Compliant)

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

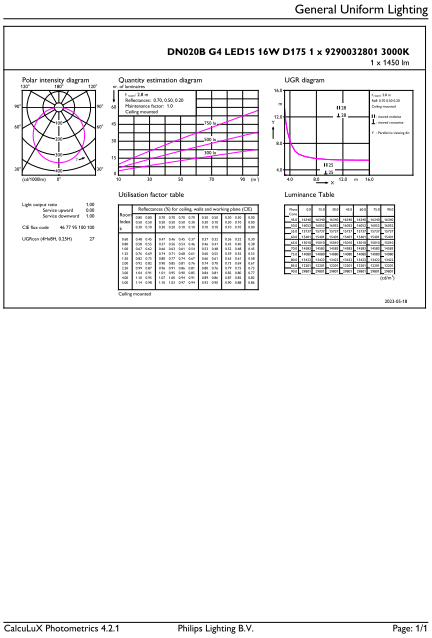
Product Data

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



Photometric data


General Uniform Lighting

DN020B G4 LED15 16W D175 1 x 9290032801 3000K
1 x 1450 lm

Polar intensity diagram

Quantity estimation diagram

UGR diagram

Utilisation factor table

Luminance Table

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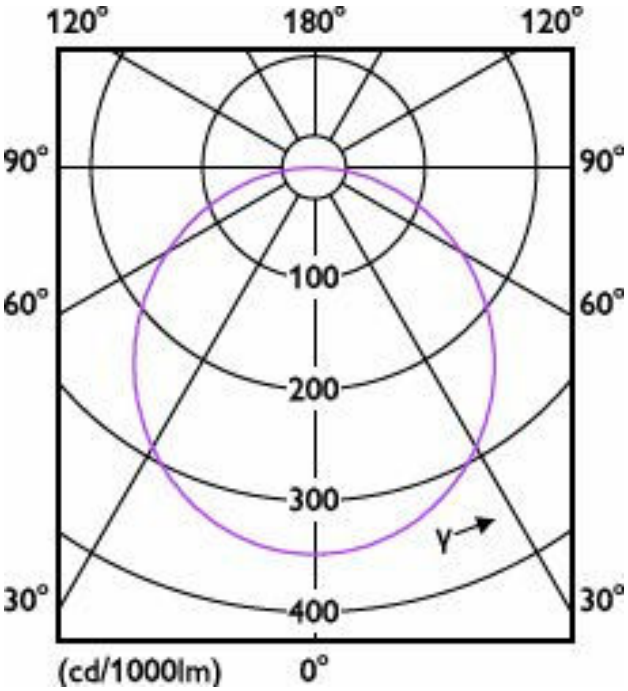
General uniform lighting - DN020B G4 LED15/WW 16W 220-240V D175



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

Related Documents

Documents and certificates	Document Name	Download
Installation Instructions	MI_DN020B_G4-INI.pdf	Download

Photometry and lighting design	Document Name	Download
IES File	DN020B_G4_LED15_WW_16W_D175-IES.ies	Download

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