PHILIPS

DN020B G4 LED12/WW 13W 220-240V D150

929003279817

Essential SmartBright LED Downlight, 13 W, 1150 lm, 3000 K, Beam angle 110°, White

Plastic, White, Power supply unit, 1150 lm, 13 W, 88 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	1,150 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	88 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	0.14 ms
Power Consumption	13 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	165 mm
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK03 [0.3 J]
Net Weight (Piece)	0.117 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%

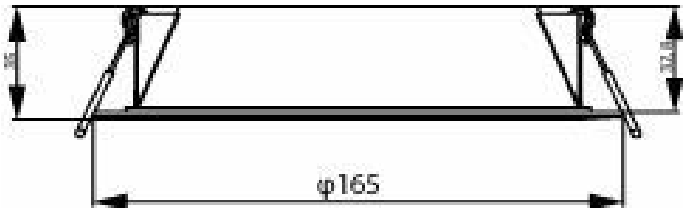
Over Time Performance (IEC Compliant)

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

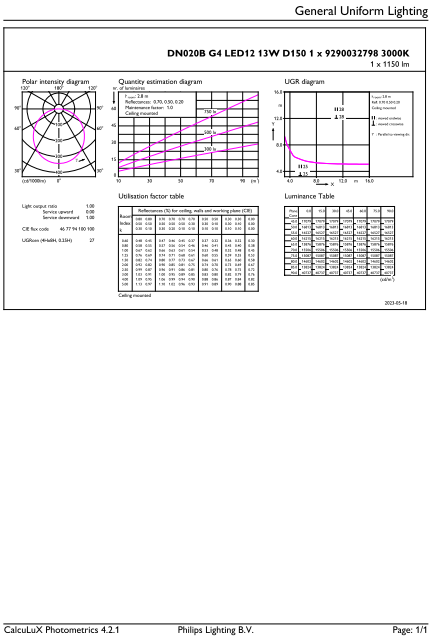
Product Data

Order product name	DN020B G4 LED12/WW 13W 220-240V D150
Full product name	DN020B G4 LED12/WW 13W 220-240V D150
Full product code	871869977989400
Order code	929003279817
Material Nr. (12NC)	929003279817
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699779894
Numerator - Packs per outer box	30
EAN/UPC - Case	8718699779900

Dimensional drawing



Photometric data


General Uniform Lighting

DN020B G4 LED12 13W D150 1 x 9290032798 3000K
1 x 1150 lm

Polar intensity diagram

Quantity estimation diagram

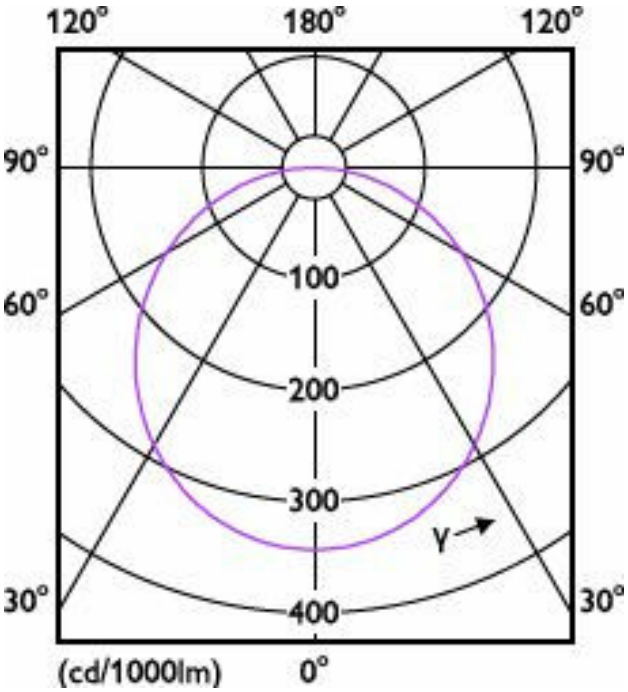
UGR diagram

Utilisation factor table

Luminance Table

CalcuLuX Photometrics 4.2.1 Philips Lighting B.V. Page: 1/1

General uniform lighting - DN020B G4 LED12/WW 13W 220-240V D150



Light Distribution Diagram - DN020B G4 LED12/WW 13W 220-240V D150

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_LED12_WW_13W_D150-IES.ies	Download

© 2026 Signify Holding. All rights reserved. The information provided herein is subject to change, without notice. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.