PHILIPS

DN016B LED12/NW 15W 127V D125 RD DIM

929002334712



SmartBright LED Downlight DN016, 15 W, 1200 lm, 4000 K, Wide beam, White

Plastic, White, Power supply unit (On/Off), 1200 lm, 15 W, 80 lm/W, 4000 K, (0.3818, 0.3797) 6SDCM, Wide beam, Matte, Polycarbonate, IP20 | Finger-protected, IK03 | 0.3 J, Safety class I, Flying leads/wires

General Information

Light source replaceable	No
Number of gear units	1 unit
Driver included	Yes
Lighting Technology	LED
Warranty period	3 years

Light Technical

Luminous Flux	1,200 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	80 lm/W
Color rendering index (CRI)	80
Light source color	840 neutral white
Optic type	Wide beam
Luminaire light beam spread	110°

Operating and Electrical

Input Voltage	127 V
Line Frequency	60 Hz
Input Frequency	60 Hz
Inrush current	13 A
Inrush time	0.31 ms
Power Consumption	15 W
Power Factor (Fraction)	0.9
Connection	Flying leads/wires
Cable	Cable 0.2 m without plug
Number of products on MCB of 16 A type B	31
Suitable for random switching	Not applicable
Protection class IEC	Safety class I

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	No
Maximum dim level	10%

Mechanical and Housing

Housing Material	Plastic
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Aluminum
Housing Color	White
Optical cover finish	Matte
Overall height	47 mm
Overall diameter	168 mm
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK03 [0.3 J]
Net Weight (Piece)	0.206 kg

Approval and Application

Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	For mounting on normally flammable surfaces
EU RoHS compliant	Yes
Ambient temperature range	-20 to +40 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.3818, 0.3797) 6SDCM
Power consumption tolerance	+/-10%

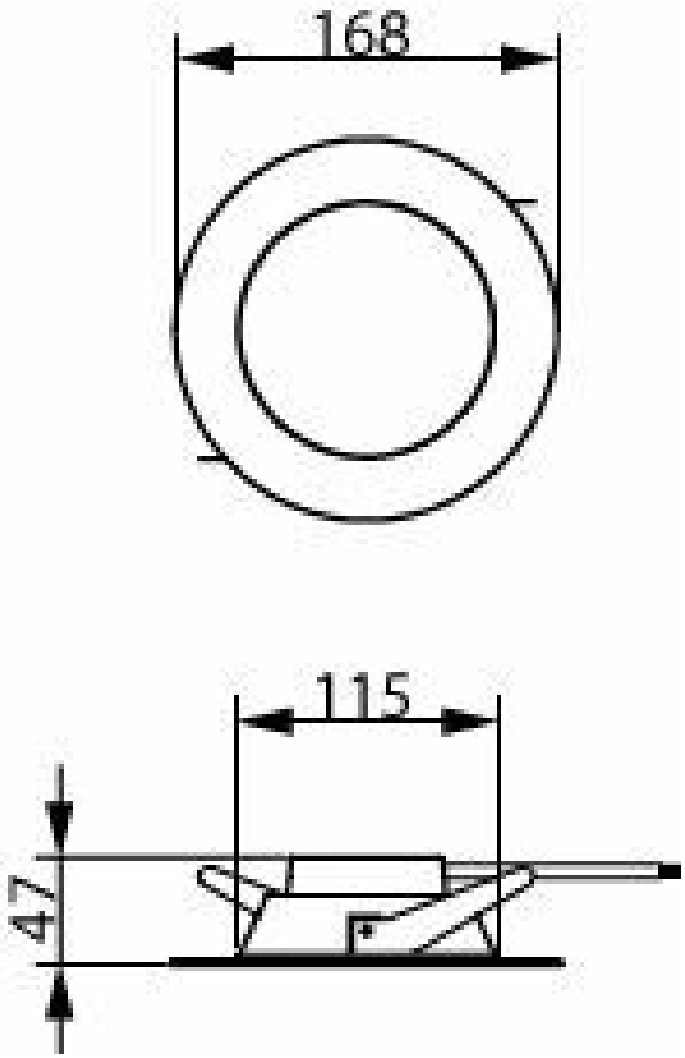
Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	0.012 %
Median useful life L70B50	30,000 hour(s)

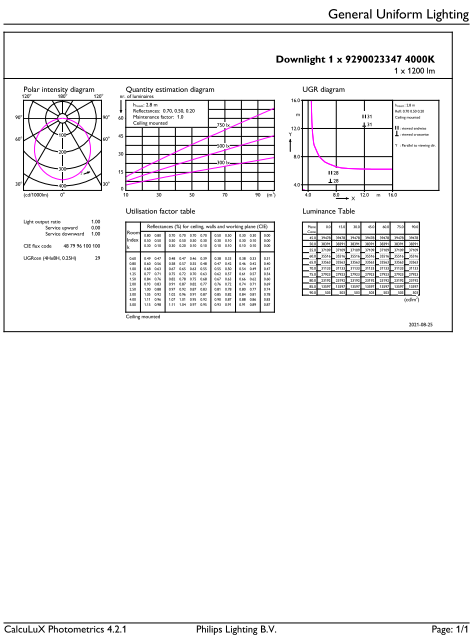
Product Data

Order product name	DN016B LED12/NW 15W 127V D125 RD DIM
Full product name	DN016B LED12/NW 15W 127V D125 RD DIM
Order code	929002334712
Material Nr. (12NC)	929002334712
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677557782
Numerator - Packs per outer box	12
EAN/UPC - Case	50046677557787

Dimensional drawing



Photometric data


General Uniform Lighting

Downlight 1 x 9290023347 4000K
1 x 1200 lm

Polar intensity diagram

Quantity estimation diagram

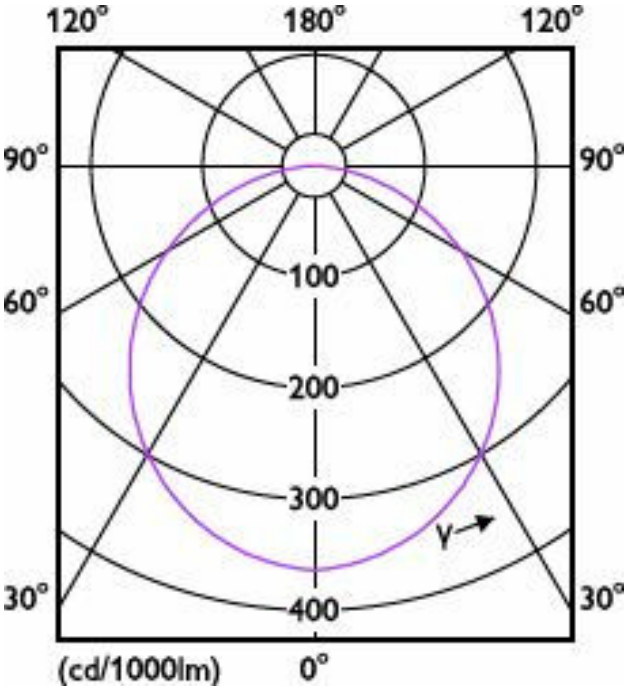
UGR diagram

Utilisation factor table

Luminance Table

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

General uniform lighting - DN016B LED12/NW 15W 127V D125 RD DIM



Light Distribution Diagram - DN016B LED12/NW 15W 127V D125 RD DIM

Related Documents

Documents and certificates	Document Name	Download
Environmental Product Declaration	Philips-DL262-12W-DL262-Ref-929003284623-EPD.pdf	Download

Photometry and lighting design	Document Name	Download
IES File	Downlight_DN016B_NW_15W_127V_D125_RD_DIM-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.