PHILIPS

DN016B LED20/CW 20W 100-240V D125 RD ND

929002375012



SmartBright LED Downlight DN016, 20 W, 2000 lm, 6500 K, Wide beam, White

Plastic, White, Power supply unit (On/Off), 2000 lm, 20 W, 100 lm/W, 6500 K, (0.3130, 0.3370) 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	2,000 lm
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	100 lm/W
Color rendering index (CRI)	80
Light source color	865 cool daylight
Optic type	Wide beam
Luminaire light beam spread	110°

Operating and Electrical

Input Voltage	100 to 240 V
Line Frequency	50 or 60 Hz
Input Frequency	50 or 60 Hz
Inrush current	13 A
Inrush time	0.31 ms
Power Consumption	20 W
Power Factor (Fraction)	0.5
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	No
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	No
Maximum dim level	Not applicable

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)	0.220 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	(0.3130, 0.3370) 6SDCM
Power consumption tolerance	+/-10%

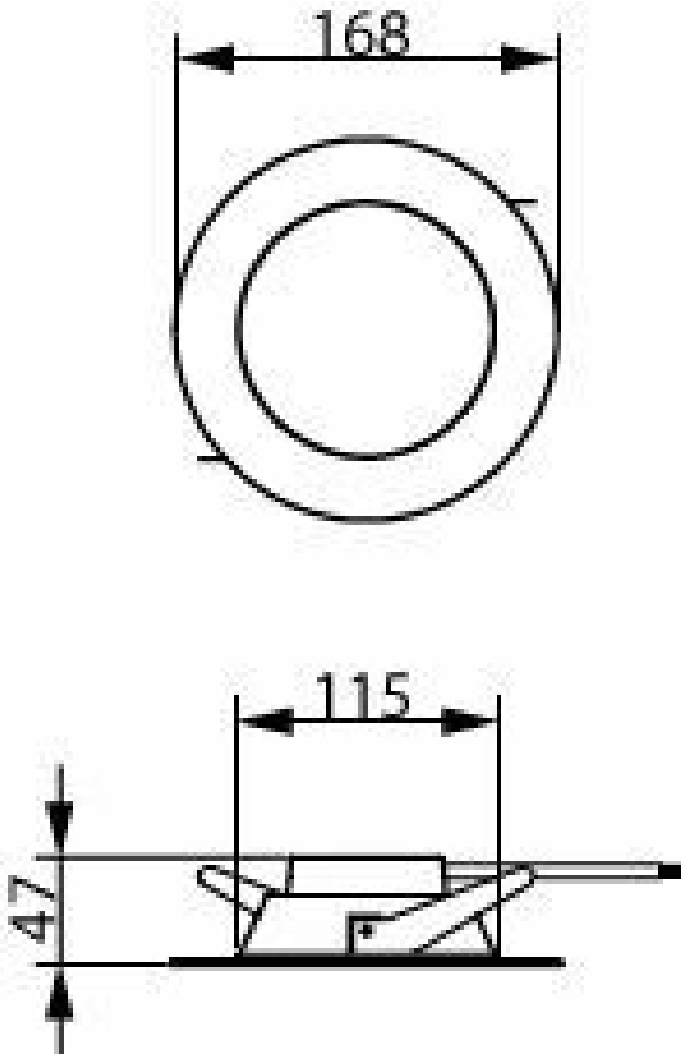
Over Time Performance (IEC Compliant)

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

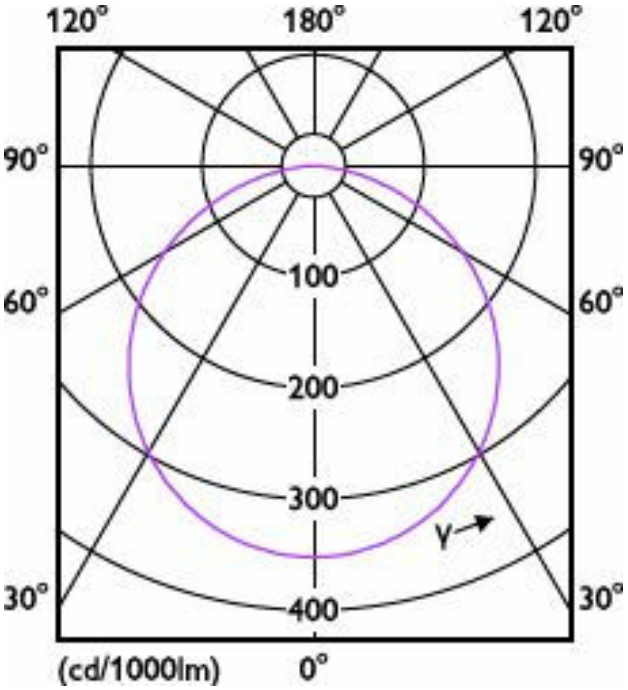
Product Data

Order product name	DN016B LED20/CW 20W 100-240V D125 RD ND
Full product name	DN016B LED20/CW 20W 100-240V D125 RD ND
Full product code	871869975923000
Order code	929002375012
Material Nr. (12NC)	929002375012
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699759230
Numerator - Packs per outer box	12
EAN/UPC - Case	8718699759247

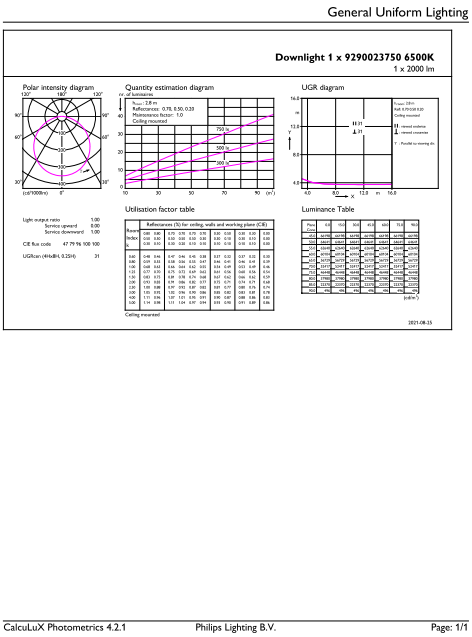
Dimensional drawing



Photometric data



Light Distribution Diagram - DN016B LED20/CW 20W 100-240V D125 RD ND



General uniform lighting - DN016B LED20/CW 20W 100-240V D125 RD ND

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_CW_20W_D125_RD_ND-IES.ies	Download

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