PHILIPS

Lighting

Ledinaire Recessed Downlight

DN070B LED12/840 12W 220-240V D150 RD EU

Ledinaire Recessed Downlight, 12 W, D150 mm, 1200 lm, 4000 K, Beam angle 60°, Black, IP20/54

The new LEDINAIRE recessed downlight offers excellent light quality, high efficacy with visual comfort. Available in two sizes with two lumen options & two CCT options to suit different applications. This is a real professional choose for everyday lighting installations

Product data

General Information	
Light source replaceable	No
Number of gear units	2 units
Driver included	Yes
Lighting Technology	LED
Value ladder	Value
Serviceability class	Class C, luminaire without serviceable parts, not serviceable
Warranty period	3 years

Light Technical	
Luminous Flux	1,200 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	96.00 lm/W
Color rendering index (CRI)	80
Light source color	840 neutral white
Optic type	Beam angle 60°
Luminaire light beam spread	60°
Unified glare rating CEN	19

Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Input Frequency	50 or 60 Hz
Inrush current	7.85 A
Inrush time	0.18 ms
Power Consumption	12 W
Power Factor (Fraction)	0.9
Connection	Connection unit 2-pole
Cable	Cable 0.25 m with push-in connector 3-pole
Number of products on MCB of 16 A type B	245
Suitable for random switching	No
Protection class IEC	Safety class II

Ledinaire Recessed Downlight

Total harmonic distortion	20 %

Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	No

Mechanical and Housing

Housing Material	Metal–Plastic
Reflector material	Polycarbonate
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Steel
Housing Color	Black
Optical cover finish	Matte
Overall length	170 mm
Overall width	170 mm
Overall height	82 mm
Overall diameter	170 mm
Dimensions (Height x Width x Depth)	82 x 170 x 170 mm
Ingress protection code	IP20/54 [Finger-protected; dust accumulation-protected, splash-proof]
Mech. impact protection code	IK03 [0.3 J]
Net Weight (Piece)	0.440 kg

Approval and Application

Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes
EU RoHS compliant	Yes
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	0.1
Stroboscopic effect visibility measure (SVM)	0.1
Ambient temperature range	-20 to +40 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.3795, 0.3827) 5SDCM
Power consumption tolerance	+/-10%

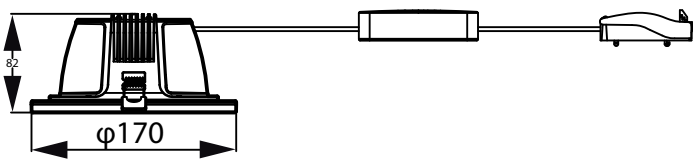
Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	0.6 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L65

Product Data

Order product name	DN070B LED12/840 12W 220-240V D150 RD EU
Full product name	DN070B LED12/840 12W 220-240V D150 RD EU
Full product code	871951435400500
Order code	929003165432
Material Nr. (12NC)	929003165432
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514354005
Numerator - Packs per outer box	12
EAN/UPC - Case	8719514354012

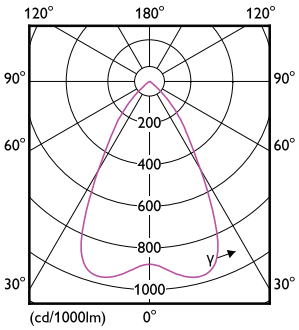
Dimensional drawing



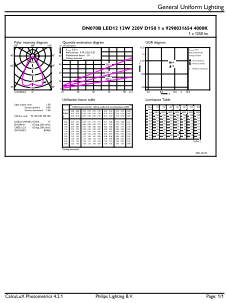
Cut-out hole diameter - Ø150mm

Ledinaire Recessed Downlight

Photometric data



Light Distribution Diagram - DN070B LED12/840 12W 220-240V D150 RD EU



General uniform lighting - DN070B LED12/840 12W 220-240V D150 RD EU

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