LuxSpace, recessed

DN570B LED20S/830 DIA-VLC-E C WH

LuxSpace, recessed, 16.4 W, D200 mm, 2200 lm, 3000 K, DALI, Interact Ready, High-gloss reflector, VLC, IP20

Customers are looking to optimize all their resources, and that means not just their running costs (energy, etc.) but also user costs where they see much bigger impact on return. Therefore, LuxSpace is designed to provide the perfect combination of efficiency, visual comfort and design, without compromising on lighting performance (color rendering and light distribution). It offers a wide choice of options for creating the desired ambience to support user comfort, no matter the application is. For office applications LuxSpace supports health and wellbeing having dedicated Tunable White products and lighting controls.

Product data

General Information

Light source replaceable	No
Number of gear units	1 unit
Driver included	Yes
Service tag	Yes
Lighting Technology	LED
Value ladder	Specification
Serviceability class	Class B, luminaire is equipped with some serviceable parts (when applicable): driver, control units, surge protection device, front cover and mechanical parts
Warranty period	5 years
Sustainability rating	–

Light Technical

Luminous Flux	2,200 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	134 lm/W
Color rendering index (CRI)	>80
Light source color	830 warm white
Optic type	–
Luminaire light beam spread	80°
Unified glare rating CEN	22

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	16 A
Inrush time	0.195 ms

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Power Consumption	16.4 W
Power Factor (Fraction)	0.9
Connection	Push-in connector and pull relief
Cable	–
Number of products on MCB of 16 A type B	24
Suitable for random switching	Yes
Protection class IEC	Safety class II
Total harmonic distortion	20 %

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Dali dimming Interact System ready visual light communicaton enabled external
Control interface	DALI
Constant light output	No
DALI Standard	D4i™ DALI-2™
Maximum dim level	1%
Connectivity	Interact Ready

Mechanical and Housing

Housing Material	Aluminum die cast
Reflector material	Polycarbonate aluminum coated
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Steel
Housing Color	White
Optical cover finish	–
Reflector Finish	High-gloss reflector
Overall height	96 mm
Overall diameter	214 mm
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Net Weight (Piece)	1.100 kg

Approval and Application

Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	For mounting on normally flammable surfaces

CE mark	Yes
ENEC mark	ENEC mark
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Ambient temperature range	+10 to +25 °C

Initial Performance (IEC Compliant)

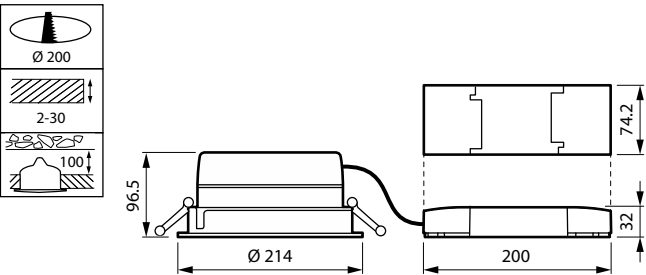|	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.43, 0.40) SDCM≤2
Power consumption tolerance	+/-10%
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤2

Over Time Performance (IEC Compliant)

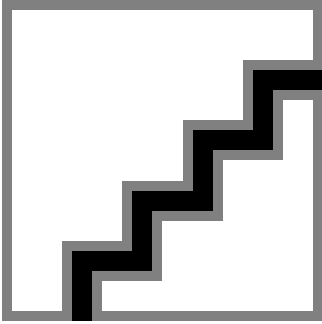|	
Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L90
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L80

Product Data

Order product name	DN570B LED20S/830 DIA-VLC-E C WH
Full product name	DN570B LED20S/830 DIA-VLC-E C WH
Full product code	871869996988200
Order code	910505100858
Material Nr. (12NC)	910505100858
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699969882
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699969882
Product family code	DN570B [LUXSPACE 2 COMPACT LOW HEIGHT]

Dimensional drawing

LuxSpace, recessed

Photometric data

Polar Normal (separate) – DN570BI – 910505100858

www.lighting.philips.com

2025, May 23 – data subject to change