LuxSpace, recessed

DN570B LED20S/840 PSD-VLC-E C ELP3 WH

LuxSpace, recessed, 17.4 W, 2200 lm, 4000 K, DALI, Frosted

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.
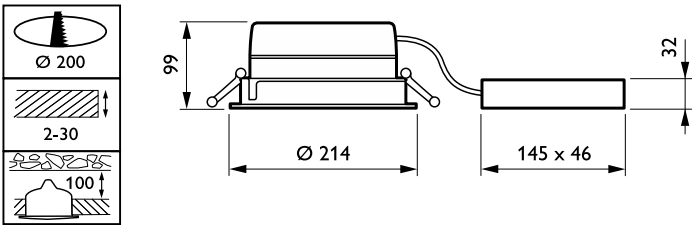
Product data

General Information

Lamp family code	LED20S [LED Module, system flux 2000 lm]
Cap-Base	– [-]
Light source replaceable	No
Number of gear units	1 unit
Gear	–
Driver included	Yes
Remarks	*–Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires – January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example B10. Therefore, the median useful life (B50) value also represents the B10 value.
Product family code	DN570B [LUXSPACE 2 COMPACT LOW HEIGHT]
Lighting Technology	LED

Value ladder	Specification
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on normally flammable surfaces
ENEC mark	–
Glow-wire test	Temperature 850 ℃, duration 5 s
EU RoHS compliant	No

Light Technical

Luminous Flux	2,200 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	126 lm/W
Color rendering index (CRI)	>80
Light source color	840 neutral white
Optic type	High-gloss mirror
Luminaire light beam spread	80°

LuxSpace, recessed

Unified glare rating CEN	22

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	20.4 A
Inrush time	0.195 ms
Power Consumption	17.4 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

Temperature

Ambient temperature range	+10 to +25 °C

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface, DC compatible, external
Control interface	DALI
Constant light output	No

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 RAL 9003
Optical cover finish	Frosted
Overall height	96.5 mm
Overall diameter	214 mm

Approval and Application

Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Protection class IEC	Safety class II

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.37) SDCM <3
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance at median useful life* 50000 h	L90
Lumen maintenance at median useful life* 100000 h	L80

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	1% (no dimming in emergency mode)
Suitable for random switching	Yes

Product Data

Order product name	DN570B LED20S/840 PSD-VLC-E C ELP3 WH
Full product name	DN570B LED20S/840 PSD-VLC-E C ELP3 WH
Full product code	871829194380800
Order code	910503706693
Material Nr. (12NC)	910503706693
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8718291943808
Numerator – Packs per outer box	1
EAN/UPC – Case	8718291943808

Dimensional drawing

LuxSpace, recessed