LuxSpace, recessed

DN571B LED20S/840 PSE-E C WH

LUXSPACE 2 COMPACT DEEP - LED Module, system flux 2000 lm - 840 neutral white - Power supply unit external, DC compatible for central emergency lighting - High-gloss mirror - White

Customers are looking to optimize all their resources, and that means not just their running costs (energy, etc.) but also their human resources. Energy savings are therefore a priority, but they must not have an adverse effect on the well-being of employees, who need a pleasant environment in order to be more productive, or on customers, who want to enjoy their shopping experience. LuxSpace provides the perfect combination of efficiency, light comfort and design, without compromising on lighting performance (color rendering and color uniformity). It offers a wide choice of options for creating the desired ambience, no matter the application.

Product data

General Information

Number of light sources	1 [1 pc]		Luminaire light beam spread	70°
Lamp family code	LED20S [LED Module, system flux 2000 lm]		Emergency lighting	No [-]
Light source colour	840 neutral white		Connection	Push-in connector and pull relief
Cap base	- [-]		Cable	–
Light source replaceable	No		Protection class IEC	Safety class II
Number of gear units	1 unit		Glow-wire test	Temperature 850 °C, duration 5 s
Gear	–		Flammability mark	F [For mounting on normally flammable surfaces]
Driver/power unit/transformer	PSE-E [Power supply unit external, DC compatible for central emergency lighting]		CE mark	CE mark
			ENEC mark	ENEC mark
Driver included	Yes		UL mark	No
Optic type	C [High-gloss mirror]		Warranty period	5 years
Optical cover/lens type	No [-]		Decorative accessories	No [-]

LuxSpace, recessed

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.
Constant light output	No
Number of products on MCB	32
RoHS mark	–
Product Family Code	DN571B [LUXSPACE 2 COMPACT DEEP]

Light Technical

Optical cover/lens type accessory	No [-]

Operating and Electrical

Input voltage	220 to 240 V
Input frequency	50 to 60 Hz
Inrush current	18 A
Inrush time	0.24 ms
Power factor (min.)	0.9

Controls and Dimming

Dimmable	No

Mechanical and Housing

Housing configuration	BV [Basic version]
Housing material	Aluminium die-cast
Reflector material	Polycarbonate aluminium coated
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	Steel
Optical cover/lens finish	Frosted
Overall height	119 mm
Overall diameter	214 mm

Approval and Application

Ingress protection code	IP20 [Finger-protected]

Mech. impact protection code	IK02 [0.2 J standard]

Initial Performance (IEC Compliant)

Initial luminous flux	2100 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	121 lm/W
Init. Corr. colour temperature	4000 K
Init. colour rendering index	>80
Initial chromaticity	(0.38, 0.37) SDCM <3
Initial input power	17.4 W
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

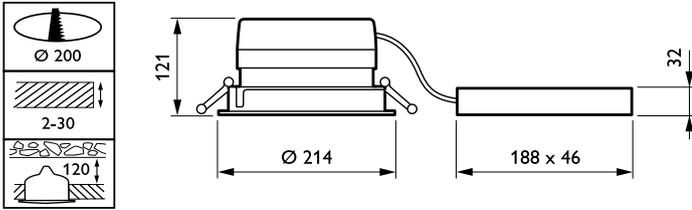|	
Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance at median useful life* 50000 h	L90

Application Conditions

Ambient temperature range	+10 to +25 °C
Performance ambient temperature Tq	25 °C
Suitable for random switching	Yes (relates to presence/ movement detection and daylight harvesting)

Product Data

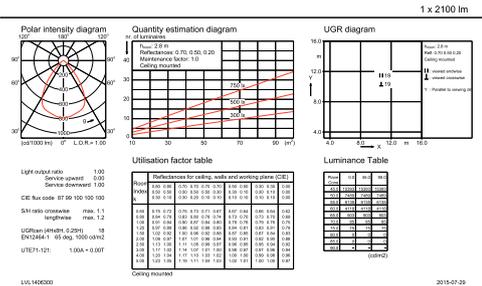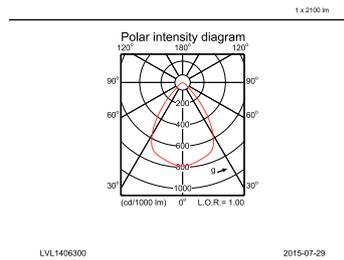|	
Full product code	871829193118800
Order product name	DN571B LED20S/840 PSE-E C WH
EAN/UPC – product	8718291931188
Order code	93118800
Numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (12NC)	910503594215
Net weight (piece)	1.150 kg

LuxSpace, recessed

Dimensional drawing

Ø 200

2-30

120

121

Ø 214

188 x 46

32

LuxSpace gen2 DN570B-DN572B

Photometric data

DN571B PSE-E 1xLED20S/840 C

1 x 2100 lm

Polar intensity diagram

Quantity estimation diagram
nr. of luminaires
Room: 2.8 m
Reflectances: 0.70, 0.50, 0.20
Maintenance factor: 1.0
Ceiling mounted

UGR diagram
Room: 2.8 m
Refl: 0.70 0.50 0.20
Ceiling mounted

Light output ratio   1.00
Service upward   0.00
Service downward   1.00

CIE flux code 87 99 100 100 100

S/H ratio crosswise   max. 1.1
lengthwise   max. 1.2

UGR(cin (4HxBH, 0.25H)   18
EN12464-1   65 deg, 1000 cd/m2

UTE71-121:   1.00A + 0.00T

Utilisation factor table

Reflectances for ceiling, walls and working plane (CIE)

Luminance Table

Ceiling mounted

LVL1406300   2015-07-29

IFGU1_DN571B PSE-E 1xLED20S840 C.EPS

DN571B PSE-E 1xLED20S/840 C

1 x 2100 lm

Polar intensity diagram

(cd/1000 lm)   0°   L.O.R.= 1.00

LVL1406300   2015-07-29

IFPC1_DN571B PSE-E 1xLED20S840 C.EPS

www.lighting.philips.com

2019, January 30 – data subject to change