



# LuxSpace, recessed

## DN570B LED20S/830 PSD-VLC-E C WH

LUXSPACE 2 COMPACT LOW HEIGHT, LED Module, system flux 2000 lm, 830 warm white, Power supply unit with DALI interface, DC compatible, external, High-gloss mirror, White RAL 9003

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	ENEC mark
Glow-wire test	Temperature 850 °C, duration 5 s

Datasheet, 2023, December 5 data subject to change

## LuxSpace, recessed

Light Technical  Luminous Flux 2,200 lm  Correlated Color Temperature (Nom) 3000 K  Luminous Efficacy (rated) (Nom) 116 lm/W  Color rendering index (CRI) >80  Number of light sources 1 Light source color 830 warm white  Optic type High-gloss mirror  Optical cover 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 20.4 A Inrush time 0.195 ms  Power Consumption 19 W  Power Factor (Fraction) 0.9  Connection Push-in connector and pull relief  Cable - Number of products on MCB of 16 A type 24  B  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  Optic material Polycarbonate  Optic material Polycarbonate	EU RoHS compliant	No
Luminous Flux 2,200 lm  Correlated Color Temperature (Nom) 3000 K  Luminous Efficacy (rated) (Nom) 116 lm/W  Color rendering index (CRI) >80  Number of light sources 1 Light source color 830 warm white  Optic type High-gloss mirror  Optical cover 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 time 0.195 ms  Power Consumption 19 W  Power Factor (Fraction) 0.9  Connection Push-in connector and pull relief  Cable -  Number of products on MCB of 16 A type 24  B  Temperature  Ambient temperature range +10 to +25 °C  Controls and Dimming  Dimmable Yes  Control interface DALI  Constant light output No  Mechanical and Housing  Housing Material Aluminum die cast  Reflector material Polycarbonate		
Correlated Color Temperature (Nom)  Luminous Efficacy (rated) (Nom)  Color rendering index (CRI)  Number of light sources  1  Light source color  830 warm white  Optic type High-gloss mirror  Optical cover type  - Luminaire light beam spread  80°  Unified glare rating CEN  22   Operating and Electrical Input Voltage Line Frequency Inrush current 20.4 A Inrush time 0.195 ms  Power Consumption 19 W  Power Factor (Fraction) 0.9  Connection Push-in connector and pull relief  Cable  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  Constant light output No  Mechanical and Housing Housing Material Reflector material Polycarbonate aluminum coated Optic material Polycarbonate	Light Technical	
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Color rendering index (CRI) >80  Number of light sources 1  Light source color 830 warm white  Optic type High-gloss mirror  Optical cover 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 20.4 A Inrush time 0.195 ms  Power Consumption 19 W  Power Factor (Fraction) 0.9  Connection Push-in connector and pull relief  Cable -  Number of products on MCB of 16 A type B  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	Correlated Color Temperature (Nom)	3000 K
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Light source color  Optic type  Optic type  Optical cover 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  20.4 A  Inrush time  0.195 ms  Power Consumption  19 W  Power Factor (Fraction)  Connection  Push-in connector and pull relief  Cable  -  Number of products on MCB of 16 A type  B  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  Constant light output  No  Mechanical and Housing  Housing Material  Alluminum die cast  Reflector material  Polycarbonate  Polycarbonate  Polycarbonate  Polycarbonate  Polycarbonate  Polycarbonate  Polycarbonate	Color rendering index (CRI)	>80
Optical cover type  Luminaire light beam spread  Bo°  Unified glare rating CEN  22  Operating and Electrical  Input Voltage  Line Frequency  Inrush current  Inrush time  O.195 ms  Power Consumption  Power Factor (Fraction)  Connection  Push-in connector and pull relief  Cable  -  Number of products on MCB of 16 A type  B  Temperature  Ambient temperature range  Tontrols and Dimming  Dimmable  Yes  Driver/power unit/transformer  Constant light output  Mechanical and Housing  Housing Material  Reflector material  Polycarbonate  80°  -  122  24  8  10 to 240 V  19 W  19 W	Number of light sources	1
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Unified glare rating CEN  22  Operating and Electrical Input Voltage  Line Frequency 50 to 60 Hz Inrush current 20.4 A Inrush time 0.195 ms  Power Consumption 19 W  Power Factor (Fraction) Cable - Number of products on MCB of 16 A type B  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 Constant light output No  Mechanical and Housing Housing Material Reflector material Polycarbonate aluminum coated Optic material	Optical cover type	-
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Inrush current 20.4 A Inrush time 0.195 ms  Power Consumption 19 W  Power Factor (Fraction) 0.9  Connection Push-in connector and pull relief  Cable -  Number of products on MCB of 16 A type 24  B  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	Input Voltage	220 to 240 V
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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	Number of products on MCB of 16 A type	24
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	В	
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		
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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		
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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	Dimmable	Yes
Control interface DALI  Constant light output No  Mechanical and Housing  Housing Material Aluminum die cast  Reflector material Polycarbonate aluminum coated  Optic material Polycarbonate	Driver/power unit/transformer	Power supply unit with DALI interface, DC
Constant light output  No  Mechanical and Housing  Housing Material  Reflector material  Polycarbonate aluminum coated  Optic material  Polycarbonate		compatible, external
Mechanical and Housing Housing Material Aluminum die cast Reflector material Polycarbonate aluminum coated Optic material Polycarbonate	Control interface	DALI
Housing Material Aluminum die cast  Reflector material Polycarbonate aluminum coated  Optic material Polycarbonate	Constant light output	No
Housing Material Aluminum die cast  Reflector material Polycarbonate aluminum coated  Optic material Polycarbonate		
Reflector material     Polycarbonate aluminum coated       Optic material     Polycarbonate	Mechanical and Housing	
Optic material Polycarbonate	Housing Material	Aluminum die cast
	Reflector material	Polycarbonate aluminum coated
Optical cover material Polycarbonate	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	(0.43, 0.40) SDCM <3
Power consumption tolerance	+/-10%
Over Time Performance (IEC Compl	iant)
Control gear failure rate at median useful	5 %
life 50000 h	
Lumen maintenance at median useful	L90
life* 50000 h	
Lumen maintenance at median useful	L80
life* 100000 h	
Application Conditions	
Performance ambient temperature Tq	25 ℃
Maximum dim level	1%
Suitable for random switching	Yes
Product Data	
Order product name	DN570B LED20S/830 PSD-VLC-E C WH
Full product name	DN570B LED20S/830 PSD-VLC-E C WH
Full product code	871829193054900
Order code	910503587815
Material Nr. (12NC)	910503587815
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291930549
Numerator - Packs per outer box	1
EAN/UPC - Case	8718291930549

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Dimensional drawing

