



GreenSpace – high-efficiency sustainable LED solution

GreenSpace

Customers want to strike the ideal balance between their initial investment and the cost of the installation during its lifetime. GreenSpace is a cost-efficient and sustainable downlight that can be used to replace conventional CFL downlights in general lighting applications. It features the latest LED technology, which enables extremely low power consumption, while delivering consistent light output, stable color performance and high color rendering. The product's long lifetime makes it a true 'fit and forget' solution.

Benefits

- High system efficacy: > 80 lm/W (mini, DN460B/DN461B); > 100 lm/W (compact, DN470B/DN471B)
- Up to 70% energy saving: total cost of ownership recovered in less than 2 years
- Office lighting norm-compliant, with stable color performance and high color rendering

Features

- Energy-efficient, durable LED technology
- High system efficacy: > 80 lm/W (mini, DN460B/DN461B); > 100 lm/W (compact, DN470B/DN471B)
- Stable color performance and high color rendering
- Available with IP44 or emergency lighting
- Available in UGR22 and UGR19 versions

Application

- Offices
- Retail
- Hotels and hospitals

Versions



Greenspace EU gen 2-DN472B



GreenSpace Compact, white reflector, protection cover opal, white rim



GreenSpace Compact, office-compliant reflector, protection cover clear, white rim



GreenSpace Compact, high-gloss reflector, black rim



GreenSpace Compact, high-gloss reflector, protection cover clear, white rim



GreenSpace perfect fit 230mm cut-out

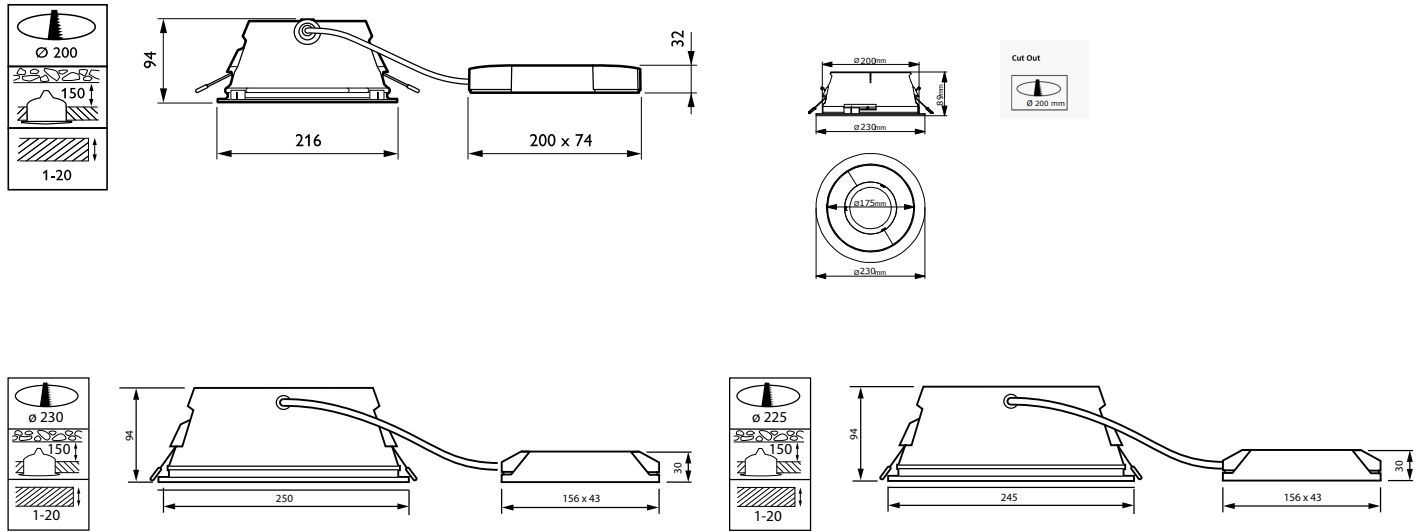


GreenSpace perfect fit family



GreenSpace Compact, high-gloss reflector, grey rim

Dimensional drawing



General Information	
Driver included	Yes
Gear	-
Number of gear units	1 unit
Operating and Electrical	
Protection class IEC	Safety class II
Line Frequency	50 to 60 Hz
Controls and Dimming	
Embedded control	-
Mechanical and Housing	
Optical cover type	-
Mech. impact protection code	IK02
Approval and Application	
CE mark	Yes
ENEC mark	ENEC mark
Flammability mark	-

General Information

Order Code	Full Product Name	Lamp family code	Light source replaceable	Service tag
01307000	DN470B LED20S/840 PSD-E C WH P	20S	No	Yes
83906900	DN510B 20S/840 PSU-E WR WH PCO	-	-	-
83904500	DN510B 20S/840 PSU-E OC WH	-	-	-
83909000	DN510B 30S/840 PSU-E OC WH	-	-	-
83907600	DN510B 20S/840 PSU-E OC WH PCC	-	-	-
83903800	DN510B 20S/840 PSU-E C BK	-	-	-
83905200	DN510B 20S/840 PSU-E C WH PCC	-	-	-
83864200	DN510B 20S/830 PSU-E C WH	-	-	-
83901400	DN510B 20S/840 PSU-E C WH	-	-	-
83908300	DN510B 30S/840 PSU-E C WH	-	-	-
56409100	TCTT225 20S/840 PSU-E WH	-	-	Yes
56410700	TCTT230 20S/840 PSU-E WH	-	-	Yes
83902100	DN510B 20S/840 PSU-E C GR	-	-	-

Light Technical (1/2)

Order Code	Full Product Name	Beam angle of light source	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Luminous Efficacy (rated) (Nom)
01307000	DN470B LED20S/840 PSD-E C WH P	-	4000 K	>80	146 lm/W
83906900	DN510B 20S/840 PSU-E WR WH PCO	-	4000 K	80	146 lm/W
83904500	DN510B 20S/840 PSU-E OC WH	-	4000 K	80	149 lm/W
83909000	DN510B 30S/840 PSU-E OC WH	-	4000 K	80	156 lm/W
83907600	DN510B 20S/840 PSU-E OC WH PCC	-	4000 K	80	146 lm/W
83903800	DN510B 20S/840 PSU-E C BK	-	4000 K	80	157 lm/W
83905200	DN510B 20S/840 PSU-E C WH PCC	-	4000 K	80	149 lm/W

Order Code	Full Product Name	Beam angle of light source	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Luminous Efficacy (rated) (Nom)
83864200	DN510B 20S/830 PSU-E C WH	-	3000 K	80	146 lm/W
83901400	DN510B 20S/840 PSU-E C WH	-	4000 K	80	157 lm/W
83908300	DN510B 30S/840 PSU-E C WH	-	4000 K	80	161 lm/W
56409100	TCTT225 20S/840 PSU-E WH	90 degree(s)	4000 K	>80	148 lm/W
56410700	TCTT230 20S/840 PSU-E WH	90 degree(s)	4000 K	>80	148 lm/W
83902100	DN510B 20S/840 PSU-E C GR	-	4000 K	80	157 lm/W

Light Technical (2/2)

Order Code	Full Product Name	Luminous Flux	Number of light sources	Optic type	Upward light output ratio
01307000	DN470B LED20S/840 PSD-E C WH P	1,950 lm	-	-	0
83906900	DN510B 20S/840 PSU-E WR WH PCO	1,950 lm	1	High-gloss mirror	-
83904500	DN510B 20S/840 PSU-E OC WH	2,000 lm	1	High-gloss mirror	-
83909000	DN510B 30S/840 PSU-E OC WH	3,000 lm	1	High-gloss mirror	-
83907600	DN510B 20S/840 PSU-E OC WH PCC	1,950 lm	1	High-gloss mirror	-
83903800	DN510B 20S/840 PSU-E C BK	2,100 lm	1	High-gloss mirror	-
83905200	DN510B 20S/840 PSU-E C WH PCC	2,000 lm	1	High-gloss mirror	-

Order Code	Full Product Name	Luminous Flux	Number of light sources	Optic type	Upward light output ratio
83864200	DN510B 20S/830 PSU-E C WH	1,950 lm	1	High-gloss mirror	-
83901400	DN510B 20S/840 PSU-E C WH	2,100 lm	1	High-gloss mirror	-
83908300	DN510B 30S/840 PSU-E C WH	3,100 lm	1	High-gloss mirror	-
56409100	TCTT225 20S/840 PSU-E WH	1,964 lm	-	Beam angle 90°	-
56410700	TCTT230 20S/840 PSU-E WH	1,964 lm	-	Beam angle 90°	-
83902100	DN510B 20S/840 PSU-E C GR	2,100 lm	1	High-gloss mirror	-

Operating and Electrical

Order Code	Full Product Name	Input Voltage	Power Consumption	Suitable for random switching
01307000	DN470B LED20S/840 PSD-E C WH P	220-240 V	13.5 W	Yes

Order Code	Full Product Name	Input Voltage	Power Consumption	Suitable for random switching
83906900	DN510B 20S/840 PSU-E WR WH PCO	220 to 240 V	13.5 W	No

Order Code	Full Product Name	Input Voltage	Power		Suitable for random switching
			Consumption		
83904500	DN510B 20S/840 PSU-E OC WH	220 to 240 V	13.5 W		No
83909000	DN510B 30S/840 PSU-E OC WH	220 to 240 V	19.1 W		No
83907600	DN510B 20S/840 PSU-E OC WH PCC	220 to 240 V	13.5 W		No
83903800	DN510B 20S/840 PSU-E C BK	220 to 240 V	13.5 W		No
83905200	DN510B 20S/840 PSU-E C WH PCC	220 to 240 V	13.5 W		No
83864200	DN510B 20S/830 PSU-E C WH	220 to 240 V	7 W		No

Order Code	Full Product Name	Input Voltage	Power		Suitable for random switching
			Consumption		
83901400	DN510B 20S/840 PSU-E C WH	220 to 240 V	13.5 W		No
83908300	DN510B 30S/840 PSU-E C WH	220 to 240 V	19.1 W		No
56409100	TCTT225 20S/840 PSU-E WH	220/240 V	13.3 W		No
56410700	TCTT230 20S/840 PSU-E WH	220/240 V	13.3 W		No
83902100	DN510B 20S/840 PSU-E C GR	220 to 240 V	13.5 W		No

Controls and Dimming

Order Code	Full Product Name	Dimmable	Maximum dim level
01307000	DN470B LED20S/840 PSD-E C WH P	Yes	1%
83906900	DN510B 20S/840 PSU-E WR WH PCO	No	-
83904500	DN510B 20S/840 PSU-E OC WH	No	-
83909000	DN510B 30S/840 PSU-E OC WH	No	-
83907600	DN510B 20S/840 PSU-E OC WH PCC	No	-
83903800	DN510B 20S/840 PSU-E C BK	No	-
83905200	DN510B 20S/840 PSU-E C WH PCC	No	-

Order Code	Full Product Name	Dimmable	Maximum dim level
83864200	DN510B 20S/830 PSU-E C WH	No	-
83901400	DN510B 20S/840 PSU-E C WH	No	-
83908300	DN510B 30S/840 PSU-E C WH	No	-
56409100	TCTT225 20S/840 PSU-E WH	No	-
56410700	TCTT230 20S/840 PSU-E WH	No	-
83902100	DN510B 20S/840 PSU-E C GR	No	-

Mechanical and Housing

Order Code	Full Product Name	Housing Color	Ingress protection	
			code	
01307000	DN470B LED20S/840 PSD-E C WH P	White	IP20	
83906900	DN510B 20S/840 PSU-E WR WH PCO	Gray	IP20/54	
83904500	DN510B 20S/840 PSU-E OC WH	Gray	IP20	
83909000	DN510B 30S/840 PSU-E OC WH	Gray	IP20	
83907600	DN510B 20S/840 PSU-E OC WH PCC	Gray	IP20/54	
83903800	DN510B 20S/840 PSU-E C BK	Gray	IP20	
83905200	DN510B 20S/840 PSU-E C WH PCC	Gray	IP20/54	

Order Code	Full Product Name	Housing Color	Ingress protection	
			code	
83864200	DN510B 20S/830 PSU-E C WH	Gray	IP20	
83901400	DN510B 20S/840 PSU-E C WH	Gray	IP20	
83908300	DN510B 30S/840 PSU-E C WH	Gray	IP20	
56409100	TCTT225 20S/840 PSU-E WH	White	IP20	
56410700	TCTT230 20S/840 PSU-E WH	White	IP20	
83902100	DN510B 20S/840 PSU-E C GR	Gray	IP20	

Emergency Operation

Order Code	Full Product Name	Central Emergency
01307000	DN470B LED20S/840 PSD-E C WH P	No
83906900	DN510B 20S/840 PSU-E WR WH PCO	-
83904500	DN510B 20S/840 PSU-E OC WH	-
83909000	DN510B 30S/840 PSU-E OC WH	-
83907600	DN510B 20S/840 PSU-E OC WH PCC	-
83903800	DN510B 20S/840 PSU-E C BK	-
83905200	DN510B 20S/840 PSU-E C WH PCC	-

Order Code	Full Product Name	Central Emergency
83864200	DN510B 20S/830 PSU-E C WH	-
83901400	DN510B 20S/840 PSU-E C WH	-
83908300	DN510B 30S/840 PSU-E C WH	-
56409100	TCTT225 20S/840 PSU-E WH	No
56410700	TCTT230 20S/840 PSU-E WH	No
83902100	DN510B 20S/840 PSU-E C GR	-

Approval and Application

Order Code	Full Product Name	Ambient temperature range	Glow-wire test	Flickering value (PstLM) - Flickering value as per EN 61000-3-3		Stroboscopic effect visibility measure (SVM)
01307000	DN470B LED20S/840 PSD-E C WH P	+10 to +40 °C	Temperature 650 °C, duration 30 s	-	-	0.4
83906900	DN510B 20S/840 PSU-E WR WH PCO	+10 to +35 °C	Temperature 650 °C, duration 30 s	-	-	-
83904500	DN510B 20S/840 PSU-E OC WH	+10 to +35 °C	Temperature 650 °C, duration 30 s	-	-	-
83909000	DN510B 30S/840 PSU-E OC WH	+10 to +35 °C	Temperature 650 °C, duration 30 s	-	-	-
83907600	DN510B 20S/840 PSU-E OC WH PCC	+10 to +35 °C	Temperature 650 °C, duration 30 s	-	-	-
83903800	DN510B 20S/840 PSU-E C BK	+10 to +35 °C	Temperature 650 °C, duration 30 s	-	-	-
83905200	DN510B 20S/840 PSU-E C WH PCC	+10 to +35 °C	Temperature 650 °C, duration 30 s	-	-	-

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial chromaticity	Luminous flux tolerance
01307000	DN470B LED20S/840 PSD-E C WH P	(0.38, 0.38) SDCM<3	+/-10%
83906900	DN510B 20S/840 PSU-E WR WH PCO	(0.38, 0.38) SDCM <3	+/-10%
83904500	DN510B 20S/840 PSU-E OC WH	(0.38, 0.38) SDCM <3	+/-10%
83909000	DN510B 30S/840 PSU-E OC WH	(0.38, 0.38) SDCM <3	+/-10%
83907600	DN510B 20S/840 PSU-E OC WH PCC	(0.38, 0.38) SDCM <3	+/-10%

Over Time Performance (IEC Compliant)

Order Code	Full Product Name	Driver failure rate at 5000 h
01307000	DN470B LED20S/840 PSD-E C WH P	-

Order Code	Full Product Name	Ambient temperature range	Glow-wire test	Flickering value (PstLM) - Flickering value as per EN 61000-3-3		Stroboscopic effect visibility measure (SVM)
83864200	DN510B 20S/830 PSU-E C WH	+10 to +35 °C	Temperature 650 °C, duration 30 s	-	-	-
83901400	DN510B 20S/840 PSU-E C WH	+10 to +35 °C	Temperature 650 °C, duration 30 s	-	-	-
83908300	DN510B 30S/840 PSU-E C WH	+10 to +35 °C	Temperature 650 °C, duration 30 s	-	-	-
56409100	TCTT225 20S/840 PSU-E WH	+10 to +40 °C	Temperature 750 °C, duration 30 s	1	1	0.4
56410700	TCTT230 20S/840 PSU-E WH	+10 to +40 °C	Temperature 750 °C, duration 30 s	1	1	0.4
83902100	DN510B 20S/840 PSU-E C GR	+10 to +35 °C	Temperature 650 °C, duration 30 s	-	-	-

Order Code	Full Product Name	Initial chromaticity	Luminous flux tolerance
83903800	DN510B 20S/840 PSU-E C BK	(0.38, 0.38) SDCM <3	+/-10%
83905200	DN510B 20S/840 PSU-E C WH PCC	(0.38, 0.38) SDCM <3	+/-10%
83864200	DN510B 20S/830 PSU-E C WH	(0.38, 0.38) SDCM <3	+/-10%
83901400	DN510B 20S/840 PSU-E C WH	(0.38, 0.38) SDCM <3	+/-10%
83908300	DN510B 30S/840 PSU-E C WH	(0.38, 0.38) SDCM <3	+/-10%
56409100	TCTT225 20S/840 PSU-E WH	(0.38, 0.38) SDCM <3	-10% / +10%
56410700	TCTT230 20S/840 PSU-E WH	(0.38, 0.38) SDCM <3	-10% / +10%
83902100	DN510B 20S/840 PSU-E C GR	(0.38, 0.38) SDCM <3	+/-10%

Order Code	Full Product Name	Driver failure rate at 5000 h
83906900	DN510B 20S/840 PSU-E WR WH PCO	10 %

Order Code	Full Product Name	Driver failure rate at 5000 h
83904500	DN510B 20S/840 PSU-E OC WH	10 %
83909000	DN510B 30S/840 PSU-E OC WH	10 %
83907600	DN510B 20S/840 PSU-E OC WH PCC	10 %
83903800	DN510B 20S/840 PSU-E C BK	10 %
83905200	DN510B 20S/840 PSU-E C WH PCC	10 %
83864200	DN510B 20S/830 PSU-E C WH	10 %

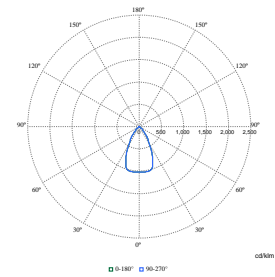
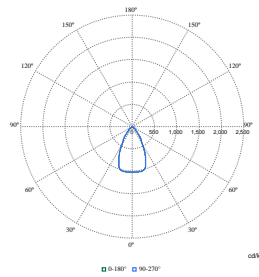
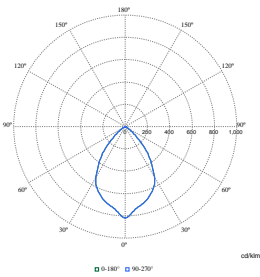
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83901400	DN510B 20S/840 PSU-E C WH	10 %
83908300	DN510B 30S/840 PSU-E C WH	10 %
56409100	TCTT225 20S/840 PSU-E WH	-
56410700	TCTT230 20S/840 PSU-E WH	-
83902100	DN510B 20S/840 PSU-E C GR	10 %

Product Data

Order Code	Full Product Name	Product family code
01307000	DN470B LED20S/840 PSD-E C WH P	DN470B
83906900	DN510B 20S/840 PSU-E WR WH PCO	DN510B
83904500	DN510B 20S/840 PSU-E OC WH	DN510B
83909000	DN510B 30S/840 PSU-E OC WH	DN510B
83907600	DN510B 20S/840 PSU-E OC WH PCC	DN510B
83903800	DN510B 20S/840 PSU-E C BK	DN510B
83905200	DN510B 20S/840 PSU-E C WH PCC	DN510B

Order Code	Full Product Name	Product family code
83864200	DN510B 20S/830 PSU-E C WH	-
83901400	DN510B 20S/840 PSU-E C WH	DN510B
83908300	DN510B 30S/840 PSU-E C WH	DN510B
56409100	TCTT225 20S/840 PSU-E WH	TCTTPF
56410700	TCTT230 20S/840 PSU-E WH	TCTTPF
83902100	DN510B 20S/840 PSU-E C GR	DN510B

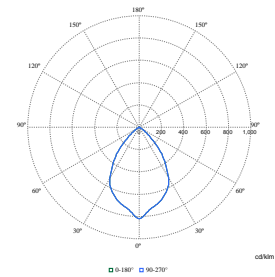
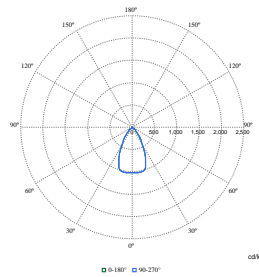
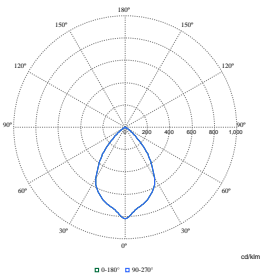
Polar Wide Diagrams



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Polar Normal (separate) - 910505105017

Polar Normal (separate) - 910505105014

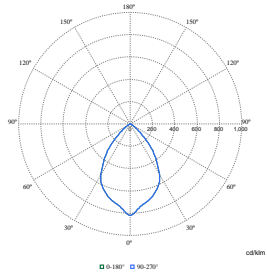


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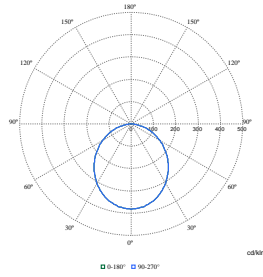
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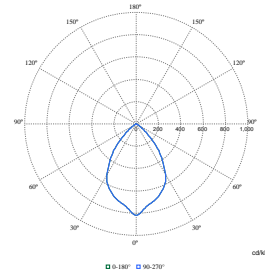
Polar Wide Diagrams



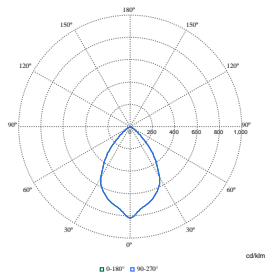
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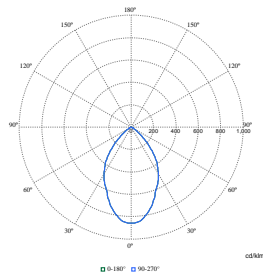
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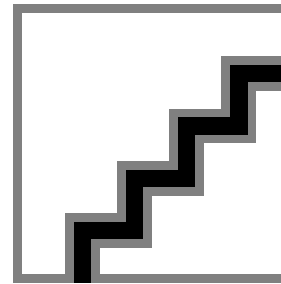
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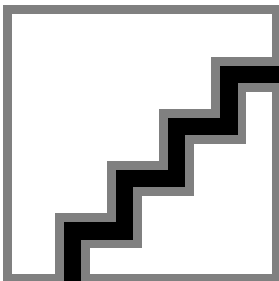
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Polar Normal (separate) - TCTTPI - 912500102953

