



GreenSpace 2 downlight – 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 colour performance and high colour rendering. The product's long lifetime makes it a true 'fit and forget' solution.

Benefits

- Office lighting norm-compliant, with stable colour performance and high colour rendering

Features

- Energy-efficient, durable LED technology
- High system efficacy: > 111 lm/W (mini, DN460B/DN461B); > 111 lm/W (compact, LED30S DN470B/DN471B), typically 114 lm/W (compact LED 20S DN470B/DN471B)
- Stable colour performance and high colour rendering
- Available with IP44 or emergency lighting options
- Available in UGR22 and UGR19 versions

Application

- Offices
- Retail
- Hotels and hospitals

Versions

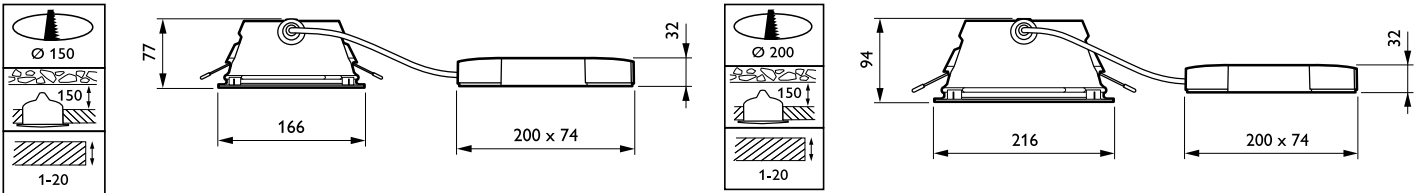


Greenspace EU gen 2-DN473B



Greenspace EU gen 2-DN462B

Dimensional drawing



Product details

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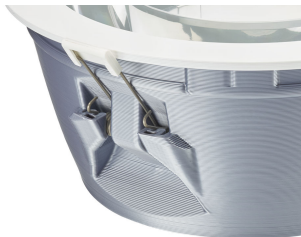
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Product details

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General Information	
Driver included	Yes
Gear	-
Light source replaceable	No
Number of gear units	Unit
Service Tag	Yes
Light Technical	
Beam angle of light source	- degree(s)
Colour rendering index (CRI)	>80
Optic type	-
Operating and Electrical	
Protection class IEC	Safety class II
Line Frequency	50 to 60 Hz
Suitable for random switching	Yes
Mechanical and Housing	
Optical cover type	-
Housing Colour	White
Mech. impact protection code	IK02
Emergency Operation	
Central Emergency	No
Approval and Application	
CE mark	Yes
Flammability mark	-
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%

General Information

Order Code	Full Product Name	Lamp family code
98307900	DN471B LED20S/830 WIA-E C WH P	20S
98309300	DN471B LED20S/840 WIA-E C WH P	20S
38474600	DN473B LED20S/830 PSU-E C WH PCC P	LED20S
38475300	DN473B LED20S/840 PSU-E C WH PCC P	LED20S
94583100	DN471B LED30S/830 PSU-E C WH P	-
94584800	DN471B LED30S/840 PSU-E C WH P	-
38471500	DN472B LED20S/840 PSU-E C WH PCC P	LED20S
79327200	DN470B LED20S/830 PSU-E C WH P	LED20S
79328900	DN470B LED20S/840 PSU-E C WH P	LED20S
79352400	DN470B LED20S/840 PSU-E C ELP3 WH P	LED20S
94575600	DN470B LED30S/830 PSU-E C WH P	-
94576300	DN470B LED30S/840 PSU-E C WH P	-
98254600	DN460B LED11S/840 DIA-VLC-E C WH P	11S
38462300	DN462B LED11S/830 PSU-E C WH PCC P	LED11S
79319700	DN460B LED11S/830 PSU-E C WH P	LED11S
79320300	DN460B LED11S/840 PSU-E C WH P	LED11S
79340100	DN460B LED11S/840 PSU-E C ELP3 WH P	LED11S

Light Technical (1/2)

Order Code	Full Product Name	Correlated Colour Temperature (Nom)	Luminous efficacy (rated) (nom.)	Luminous Flux	Number of light sources
98307900	DN471B LED20S/830 WIA-E C WH P	3000 K	137 lm/W	1,800 lm	-
98309300	DN471B LED20S/840 WIA-E C WH P	4000 K	141 lm/W	1,850 lm	-
38474600	DN473B LED20S/830 PSU-E C WH PCC P	3000 K	130 lm/W	1,750 lm	1
38475300	DN473B LED20S/840 PSU-E C WH PCC P	4000 K	134 lm/W	1,800 lm	1
94583100	DN471B LED30S/830 PSU-E C WH P	3000 K	131 lm/W	2,700 lm	-
94584800	DN471B LED30S/840 PSU-E C WH P	4000 K	135 lm/W	2,800 lm	-
38471500	DN472B LED20S/840 PSU-E C WH PCC P	4000 K	141 lm/W	1,850 lm	1
79327200	DN470B LED20S/830 PSU-E C WH P	3000 K	143 lm/W	1,900 lm	1
79328900	DN470B LED20S/840 PSU-E C WH P	4000 K	147 lm/W	1,950 lm	1

Light Technical (2/2)

Order Code	Full Product Name	Upwards light output ratio
98307900	DN471B LED20S/830 WIA-E C WH P	0
98309300	DN471B LED20S/840 WIA-E C WH P	0
38474600	DN473B LED20S/830 PSU-E C WH PCC P	-
38475300	DN473B LED20S/840 PSU-E C WH PCC P	-
94583100	DN471B LED30S/830 PSU-E C WH P	-
94584800	DN471B LED30S/840 PSU-E C WH P	-
38471500	DN472B LED20S/840 PSU-E C WH PCC P	-
79327200	DN470B LED20S/830 PSU-E C WH P	-
79328900	DN470B LED20S/840 PSU-E C WH P	-

Operating and Electrical

Order Code	Full Product Name	Input Voltage	Power Consumption
98307900	DN471B LED20S/830 WIA-E C WH P	220-240 V	13.2 W

Order Code	Full Product Name	Correlated Colour Temperature (Nom)	Luminous efficacy (rated) (nom.)	Luminous Flux	Number of light sources
79352400	DN470B LED20S/840 PSU-E C ELP3 WH P	4000 K	147 lm/W	1,950 lm	1
94575600	DN470B LED30S/830 PSU-E C WH P	3000 K	137 lm/W	2,900 lm	-
94576300	DN470B LED30S/840 PSU-E C WH P	4000 K	141 lm/W	2,900 lm	-
98254600	DN460B LED11S/840 DIA-VLC-E C WH P	4000 K	132 lm/W	1,150 lm	-
38462300	DN462B LED11S/830 PSU-E C WH PCC P	3000 K	127 lm/W	1,050 lm	1
79319700	DN460B LED11S/830 PSU-E C WH P	3000 K	133 lm/W	1,100 lm	1
79320300	DN460B LED11S/840 PSU-E C WH P	4000 K	137 lm/W	1,150 lm	1
79340100	DN460B LED11S/840 PSU-E C ELP3 WH P	4000 K	137 lm/W	1,150 lm	1

Order Code	Full Product Name	Upwards light output ratio
79352400	DN470B LED20S/840 PSU-E C ELP3 WH P	-
94575600	DN470B LED30S/830 PSU-E C WH P	-
94576300	DN470B LED30S/840 PSU-E C WH P	-
98254600	DN460B LED11S/840 DIA-VLC-E C WH P	0
38462300	DN462B LED11S/830 PSU-E C WH PCC P	-
79319700	DN460B LED11S/830 PSU-E C WH P	-
79320300	DN460B LED11S/840 PSU-E C WH P	-
79340100	DN460B LED11S/840 PSU-E C ELP3 WH P	-

Order Code	Full Product Name	Input Voltage	Power Consumption
98309300	DN471B LED20S/840 WIA-E C WH P	220-240 V	13.2 W

Order Code	Full Product Name	Input Voltage	Power Consumption
38474600	DN473B LED20S/830 PSU-E C WH PCC P	220 to 240 V	13.3 W
38475300	DN473B LED20S/840 PSU-E C WH PCC P	220 to 240 V	13.3 W
94583100	DN471B LED30S/830 PSU-E C WH P	220-240 V	20.9 W
94584800	DN471B LED30S/840 PSU-E C WH P	220-240 V	20.9 W
38471500	DN472B LED20S/840 PSU-E C WH PCC P	220 to 240 V	13.3 W
79327200	DN470B LED20S/830 PSU-E C WH P	220-240 V	13.3 W
79328900	DN470B LED20S/840 PSU-E C WH P	220-240 V	13.3 W
79352400	DN470B LED20S/840 PSU-E C ELP3 WH P	220-240 V	13.3 W

Controls and Dimming

Order Code	Full Product Name	Dimmable	Maximum dim level
98307900	DN471B LED20S/830 WIA-E C WH P	Yes	1%
98309300	DN471B LED20S/840 WIA-E C WH P	Yes	1%
38474600	DN473B LED20S/830 PSU-E C WH PCC P	No	Not applicable
38475300	DN473B LED20S/840 PSU-E C WH PCC P	No	Not applicable
94583100	DN471B LED30S/830 PSU-E C WH P	No	Not applicable
94584800	DN471B LED30S/840 PSU-E C WH P	No	Not applicable
38471500	DN472B LED20S/840 PSU-E C WH PCC P	No	Not applicable
79327200	DN470B LED20S/830 PSU-E C WH P	No	Not applicable
79328900	DN470B LED20S/840 PSU-E C WH P	No	Not applicable

Mechanical and Housing

Order Code	Full Product Name	Ingress protection code
98307900	DN471B LED20S/830 WIA-E C WH P	IP20
98309300	DN471B LED20S/840 WIA-E C WH P	IP20
38474600	DN473B LED20S/830 PSU-E C WH PCC P	IP20/54
38475300	DN473B LED20S/840 PSU-E C WH PCC P	IP20/54
94583100	DN471B LED30S/830 PSU-E C WH P	IP20
94584800	DN471B LED30S/840 PSU-E C WH P	IP20
38471500	DN472B LED20S/840 PSU-E C WH PCC P	IP20/54
79327200	DN470B LED20S/830 PSU-E C WH P	IP20
79328900	DN470B LED20S/840 PSU-E C WH P	IP20

Emergency Operation

Order Code	Full Product Name	Emergency lighting	Rated duration of the emergency lighting (when fully charged)
98307900	DN471B LED20S/830 WIA-E C WH P	-	-
98309300	DN471B LED20S/840 WIA-E C WH P	-	-
38474600	DN473B LED20S/830 PSU-E C WH PCC P	-	-

Order Code	Full Product Name	Input Voltage	Power Consumption
94575600	DN470B LED30S/830 PSU-E C WH P	220-240 V	20.9 W
94576300	DN470B LED30S/840 PSU-E C WH P	220-240 V	20.9 W
98254600	DN460B LED11S/840 DIA-VLC-E C WH P	220-240 V	8.6 W
38462300	DN462B LED11S/830 PSU-E C WH PCC P	220 to 240 V	8.2 W
79319700	DN460B LED11S/830 PSU-E C WH P	220-240 V	8.2 W
79320300	DN460B LED11S/840 PSU-E C WH P	220-240 V	8.2 W
79340100	DN460B LED11S/840 PSU-E C ELP3 WH P	220-240 V	8.2 W

Order Code	Full Product Name	Dimmable	Maximum dim level
79352400	DN470B LED20S/840 PSU-E C ELP3 WH P	No	Not applicable
94575600	DN470B LED30S/830 PSU-E C WH P	No	Not applicable
94576300	DN470B LED30S/840 PSU-E C WH P	No	Not applicable
98254600	DN460B LED11S/840 DIA-VLC-E C WH P	Yes	1%
38462300	DN462B LED11S/830 PSU-E C WH PCC P	No	Not applicable
79319700	DN460B LED11S/830 PSU-E C WH P	No	Not applicable
79320300	DN460B LED11S/840 PSU-E C WH P	No	Not applicable
79340100	DN460B LED11S/840 PSU-E C ELP3 WH P	No	Not applicable

Order Code	Full Product Name	Ingress protection code
79352400	DN470B LED20S/840 PSU-E C ELP3 WH P	IP20
94575600	DN470B LED30S/830 PSU-E C WH P	IP20
94576300	DN470B LED30S/840 PSU-E C WH P	IP20
98254600	DN460B LED11S/840 DIA-VLC-E C WH P	IP20
38462300	DN462B LED11S/830 PSU-E C WH PCC P	IP20/54
79319700	DN460B LED11S/830 PSU-E C WH P	IP20
79320300	DN460B LED11S/840 PSU-E C WH P	IP20
79340100	DN460B LED11S/840 PSU-E C ELP3 WH P	IP20

Order Code	Full Product Name	Emergency lighting	Rated duration of the emergency lighting (when fully charged)
38475300	DN473B LED20S/840 PSU-E C WH PCC P	-	-
94583100	DN471B LED30S/830 PSU-E C WH P	-	-
94584800	DN471B LED30S/840 PSU-E C WH P	-	-

Order Code	Full Product Name	Emergency lighting		Rated duration of the emergency lighting (when fully charged)
38471500	DN472B LED20S/840 PSU-E C WH PCC P	-	-	-
79327200	DN470B LED20S/830 PSU-E C WH P	-	-	-
79328900	DN470B LED20S/840 PSU-E C WH P	-	-	-
79352400	DN470B LED20S/840 PSU-E C ELP3 WH P	Emergency lighting 3-hour duration Pro version		3 h
94575600	DN470B LED30S/830 PSU-E C WH P	-	-	-
94576300	DN470B LED30S/840 PSU-E C WH P	-	-	-

Approval and Application

Order Code	Full Product Name	Ambient temperature range		ENEC mark	Glow-wire test	Stroboscopic effect
98307900	DN471B LED20S/830 WIA-E C WH P	+10 to +40 °C	ENEC mark	Temperature 750 °C, duration 30 s	-	
98309300	DN471B LED20S/840 WIA-E C WH P	+10 to +40 °C	ENEC mark	Temperature 750 °C, duration 30 s	-	
38474600	DN473B LED20S/830 PSU-E C WH PCC P	-15 to +40 °C	ENEC mark	Temperature 750 °C, duration 30 s	-	
38475300	DN473B LED20S/840 PSU-E C WH PCC P	-15 to +40 °C	ENEC mark	Temperature 750 °C, duration 30 s	-	
94583100	DN471B LED30S/830 PSU-E C WH P	+10 to +40 °C	-	Temperature 750 °C, duration 30 s	-	
94584800	DN471B LED30S/840 PSU-E C WH P	+10 to +40 °C	-	Temperature 750 °C, duration 30 s	-	
38471500	DN472B LED20S/840 PSU-E C WH PCC P	-15 to +40 °C	ENEC mark	Temperature 750 °C, duration 30 s	-	
79327200	DN470B LED20S/830 PSU-E C WH P	+10 to +40 °C	ENEC mark	Temperature 750 °C, duration 30 s	-	
79328900	DN470B LED20S/840 PSU-E C WH P	+10 to +40 °C	ENEC mark	Temperature 750 °C, duration 30 s	-	

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Emergency lighting		Rated duration of the emergency lighting (when fully charged)
98254600	DN460B LED11S/840 DIA-VLC-E C WH P	-	-	-
38462300	DN462B LED11S/830 PSU-E C WH PCC P	-	-	-
79319700	DN460B LED11S/830 PSU-E C WH P	-	-	-
79320300	DN460B LED11S/840 PSU-E C WH P	-	-	-
79340100	DN460B LED11S/840 PSU-E C ELP3 WH P	Emergency lighting 3-hour duration Pro version		3 h

Order Code	Full Product Name	Ambient temperature range		ENEC mark	Glow-wire test	Stroboscopic effect
79352400	DN470B LED20S/840 PSU-E C ELP3 WH P	+10 to +40 °C	ENEC mark	Temperature 750 °C, duration 30 s	-	
94575600	DN470B LED30S/830 PSU-E C WH P	+10 to +40 °C	-	Temperature 750 °C, duration 30 s	-	
94576300	DN470B LED30S/840 PSU-E C WH P	+10 to +40 °C	-	Temperature 750 °C, duration 30 s	-	
98254600	DN460B LED11S/840 DIA-VLC-E C WH P	+10 to +40 °C	ENEC mark	Temperature 750 °C, duration 30 s	-	
38462300	DN462B LED11S/830 PSU-E C WH PCC P	-15 to +40 °C	ENEC mark	Temperature 750 °C, duration 30 s	-	
79319700	DN460B LED11S/830 PSU-E C WH P	+10 to +40 °C	ENEC mark	Temperature 650 °C, duration 30 s	0.4	
79320300	DN460B LED11S/840 PSU-E C WH P	+10 to +40 °C	ENEC mark	Temperature 750 °C, duration 30 s	-	
79340100	DN460B LED11S/840 PSU-E C ELP3 WH P	+10 to +40 °C	ENEC mark	Temperature 750 °C, duration 30 s	-	

Order Code	Full Product Name	Initial chromaticity
98307900	DN471B LED20S/830 WIA-E C WH P	(0.43, 0.40) SDCM<3
98309300	DN471B LED20S/840 WIA-E C WH P	(0.38, 0.38) SDCM<3
38474600	DN473B LED20S/830 PSU-E C WH PCC P	(0.44, 0.40) SDCM<3
38475300	DN473B LED20S/840 PSU-E C WH PCC P	(0.38, 0.38) SDCM<3
94583100	DN471B LED30S/830 PSU-E C WH P	(0.43, 0.40) SDCM<3
94584800	DN471B LED30S/840 PSU-E C WH P	(0.38, 0.38) SDCM<3
38471500	DN472B LED20S/840 PSU-E C WH PCC P	(0.38, 0.38) SDCM<3
79327200	DN470B LED20S/830 PSU-E C WH P	(0.43, 0.40) SDCM<3
79328900	DN470B LED20S/840 PSU-E C WH P	(0.38, 0.38) SDCM<3

Order Code	Full Product Name	Initial chromaticity
79352400	DN470B LED20S/840 PSU-E C ELP3 WH P	(0.38, 0.38) SDCM<3
94575600	DN470B LED30S/830 PSU-E C WH P	(0.43, 0.40) SDCM<3
94576300	DN470B LED30S/840 PSU-E C WH P	(0.38, 0.38) SDCM<3
98254600	DN460B LED11S/840 DIA-VLC-E C WH P	(0.38, 0.38) SDCM<3
38462300	DN462B LED11S/830 PSU-E C WH PCC P	(0.44, 0.40) SDCM<3
79319700	DN460B LED11S/830 PSU-E C WH P	(0.43, 0.40) SDCM<3
79320300	DN460B LED11S/840 PSU-E C WH P	(0.38, 0.38) SDCM<3
79340100	DN460B LED11S/840 PSU-E C ELP3 WH P	(0.38, 0.38) SDCM<3

Over Time Performance (IEC Compliant)

Order Code	Full Product Name	Driver failure rate at 5,000 hours
98307900	DN471B LED20S/830 WIA-E C WH P	-
98309300	DN471B LED20S/840 WIA-E C WH P	-
38474600	DN473B LED20S/830 PSU-E C WH PCC P	1 %
38475300	DN473B LED20S/840 PSU-E C WH PCC P	1 %
94583100	DN471B LED30S/830 PSU-E C WH P	1 %
94584800	DN471B LED30S/840 PSU-E C WH P	1 %
38471500	DN472B LED20S/840 PSU-E C WH PCC P	1 %
79327200	DN470B LED20S/830 PSU-E C WH P	1 %
79328900	DN470B LED20S/840 PSU-E C WH P	1 %

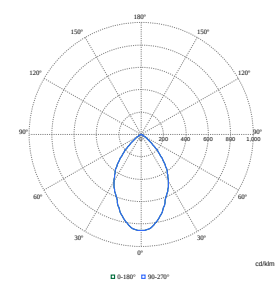
Order Code	Full Product Name	Driver failure rate at 5,000 hours
79352400	DN470B LED20S/840 PSU-E C ELP3 WH P	1 %
94575600	DN470B LED30S/830 PSU-E C WH P	1 %
94576300	DN470B LED30S/840 PSU-E C WH P	1 %
98254600	DN460B LED11S/840 DIA-VLC-E C WH P	-
38462300	DN462B LED11S/830 PSU-E C WH PCC P	1 %
79319700	DN460B LED11S/830 PSU-E C WH P	1 %
79320300	DN460B LED11S/840 PSU-E C WH P	1 %
79340100	DN460B LED11S/840 PSU-E C ELP3 WH P	1 %

Product Data

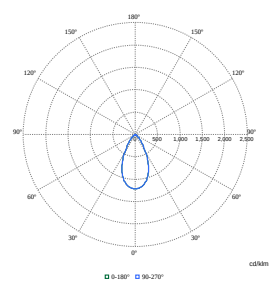
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98309300	DN471B LED20S/840 WIA-E C WH P	DN471B
38474600	DN473B LED20S/830 PSU-E C WH PCC P	DN473B
38475300	DN473B LED20S/840 PSU-E C WH PCC P	DN473B
94583100	DN471B LED30S/830 PSU-E C WH P	DN471B
94584800	DN471B LED30S/840 PSU-E C WH P	DN471B
38471500	DN472B LED20S/840 PSU-E C WH PCC P	DN472B
79327200	DN470B LED20S/830 PSU-E C WH P	DN470B
79328900	DN470B LED20S/840 PSU-E C WH P	DN470B

Order Code	Full Product Name	Product family code
79352400	DN470B LED20S/840 PSU-E C ELP3 WH P	DN470B
94575600	DN470B LED30S/830 PSU-E C WH P	DN470B
94576300	DN470B LED30S/840 PSU-E C WH P	DN470B
98254600	DN460B LED11S/840 DIA-VLC-E C WH P	DN460B
38462300	DN462B LED11S/830 PSU-E C WH PCC P	DN462B
79319700	DN460B LED11S/830 PSU-E C WH P	DN460B
79320300	DN460B LED11S/840 PSU-E C WH P	DN460B
79340100	DN460B LED11S/840 PSU-E C ELP3 WH P	DN460B

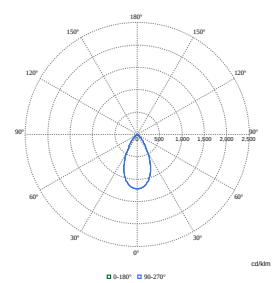
Polar Wide Diagrams



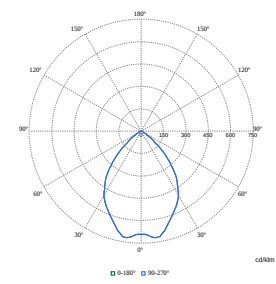
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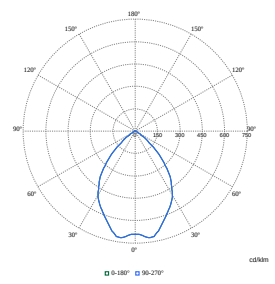
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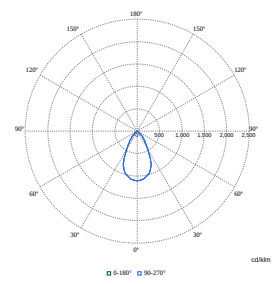
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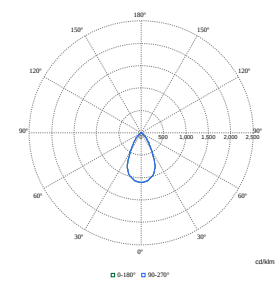
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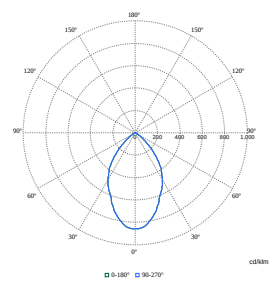
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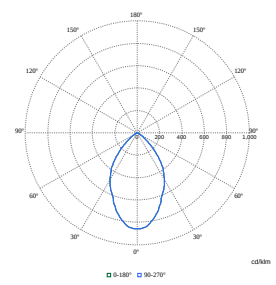
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Polar Normal (separate) - DN460BN - 912500100074

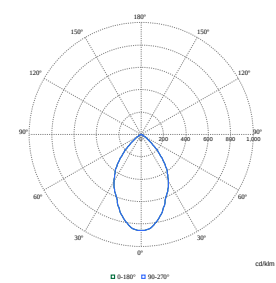


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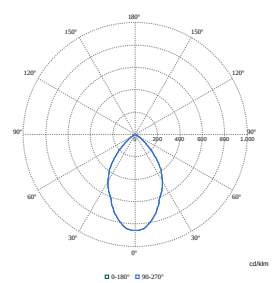


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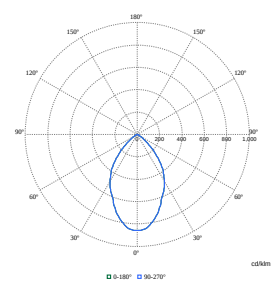
Polar Wide Diagrams



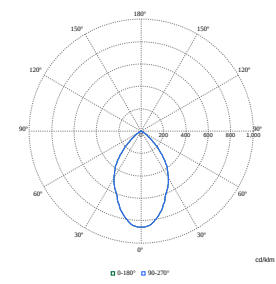
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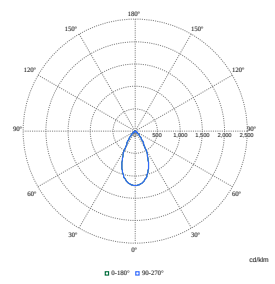
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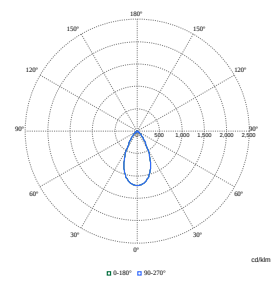
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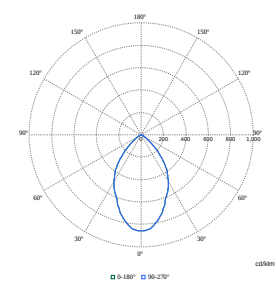
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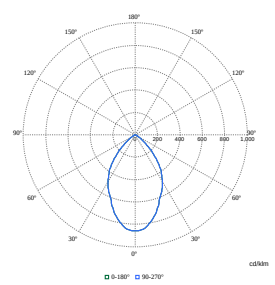
Polar Normal (separate) - DN460BN - 912500101315



Polar Normal (separate) - DN460BN - 912500101314



Polar Normal (separate) - DN460BN - 912500101307



Polar Normal (separate) - DN460BN - 912500101305

