



CoreLine Downlight: easy installation, excellent illumination

CoreLine Downlight gen5

Philips CoreLine Downlight delivers on the CoreLine promise of innovative, easy-to-use and high-quality recessed downlights. The CoreLine Downlight range is suitable for one-to-one conventional luminaire replacements, with an attractive TCO that helps your customers make the switch to LED. These recessed indoor downlights offer uniform light distribution for use in general lighting and office applications (UGR 19). They also deliver instant energy savings and have a much longer lifetime, creating a solution that's environmentally friendly and real value-for-money. CoreLine DN142B recessed downlights are easy to install thanks to their standard cut-out size and push-in connectors. An Interact-ready option with integrated wireless communications is also available in this family, which can be used with Interact gateways, sensors and software.

Benefits

- Energy-saving and longer lifetime to reduce overall operating costs
- One-to-one replacement makes it easy to switch to LED
- Low glare suitable for office applications

Features

- Available in two cut-out sizes (150 mm and 200 mm)
- White reflector downlight UGR 25
- Aluminium reflector downlight UGR 19
- Energy efficient: up to 120 lm/W
- Choice of colour temperatures: 3,000 and 4,000 K
- Choice of drivers; DALI and wireless with Interact ready
- Optional emergency lighting versions available
- Optional IP54 versions available

CoreLine Downlight gen5

Application

- Offices
- Indoor general areas
- Reception and lounge
- Meeting rooms
- Corridors

Warnings and Safety

- Do not apply excessive force to the cable & DC connector, make sure that the connector clip is locked before turning the power on.

Versions

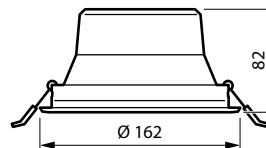
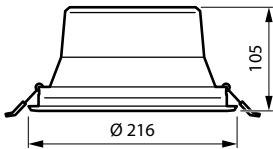
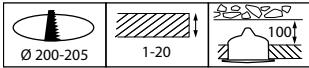


CoreLine Downlight DN142B Mini
with White Reflector (WR)



CoreLine Downlight DN142B
Compact with UGR19

Dimensional drawing



Product details



CoreLine Downlight DN142B
Compact with White Reflector
(WR)

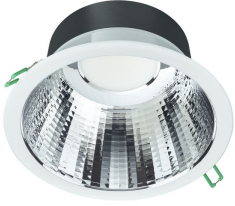


CoreLine Downlight DN142B
Compact with White Reflector
(WR)

CoreLine Downlight gen5

Product details

CoreLine Downlight DN142B
Compact with UGR19



CoreLine Downlight DN142B
Compact with UGR19



Product Detail Photo Coreline



Product Detail Photo Coreline



CoreLine Downlight gen5

General Information

Driver included	Yes
Number of gear units	Unit
Service Tag	Yes

Light Technical

Beam angle of light source	- degree(s)
Colour rendering index (CRI)	>80

Operating and Electrical

Protection class IEC	Safety class II
Line Frequency	50 to 60 Hz
Suitable for random switching	Yes

Mechanical and Housing

Housing Colour	White
Mech. impact protection code	IK02

Approval and Application

Ambient temperature range	-20 to +40 °C
CE mark	Yes
ENEC mark	-
Flammability mark	For mounting on normally flammable surfaces
Glow-wire test	Temperature 650 °C, duration 30 s
Stroboscopic effect	1

General Information

Order Code	Full Product Name	Light source replaceable
910505103591	DN142B 10S/840 PSD-E WR IP54	-
911401551132	DN142B 10S/830 PSU-E WR IP54	No
911401551532	DN142B 10S/840 PSU-E WR IP54	No
910505103597	DN142B 20S/830 PSD-E UGR19 IP54	-
910505103602	DN142B 20S/840 PSD-E UGR19 IP54	-
910505103614	DN142B 20S/840 WIA-E UGR19 IP54	-
911401552132	DN142B 20S/830 PSU-E UGR19 IP54	No
911401552532	DN142B 20S/840 PSU-E UGR19 IP54	No
910505103593	DN142B 10S/840 PSD-E UGR19 IP54	-
911401551332	DN142B 10S/830 PSU-E UGR19 IP54	No
911401551732	DN142B 10S/840 PSU-E UGR19 IP54	No
910505103598	DN142B 20S/840 PSD-E WR	-
910505103599	DN142B 20S/840 PSD-E WR IP54	-
910505103613	DN142B 20S/840 WIA-E WR IP54	-
911401551832	DN142B 20S/830 PSU-E WR	No
911401551932	DN142B 20S/830 PSU-E WR IP54	No
911401552232	DN142B 20S/840 PSU-E WR	No
911401552332	DN142B 20S/840 PSU-E WR IP54	No

Light Technical

Order Code	Full Product Name	Correlated Colour Temperature	Luminous efficacy (rated)	Luminous Flux	Optic type
		(Nom)	(nom.)		
910505103591	DN142B 10S/840 PSD-E WR IP54	4000 K	112 lm/W	1,000 lm	White reflector perforated without louvre
911401551132	DN142B 10S/830 PSU-E WR IP54	3000 K	120 lm/W	1,200 lm	-
911401551532	DN142B 10S/840 PSU-E WR IP54	4000 K	120 lm/W	1,200 lm	-
910505103597	DN142B 20S/830 PSD-E UGR19 IP54	3000 K	110 lm/W	2,000 lm	Faceted reflector

Order Code	Full Product Name	Correlated Colour Temperature	Luminous efficacy (rated)	Luminous Flux	Optic type
		(Nom)	(nom.)		
910505103602	DN142B 20S/840 PSD-E UGR19 IP54	4000 K	110 lm/W	2,000 lm	Faceted reflector
910505103614	DN142B 20S/840 WIA-E UGR19 IP54	4000 K	111 lm/W	2,000 lm	Faceted reflector
911401552132	DN142B 20S/830 PSU-E UGR19 IP54	3000 K	120 lm/W	2,350 lm	-
911401552532	DN142B 20S/840 PSU-E UGR19 IP54	4000 K	120 lm/W	2,350 lm	-

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Order Code	Full Product Name	Correlated Colour	Luminous efficacy	Luminous Flux	Optic type
		Temperature (Nom)	(rated) (nom.)	(nom.)	
910505103593	DN142B 10S/840 PSD-E UGR19 IP54	4000 K	107 lm/W	1,000 lm	Faceted reflector
911401551332	DN142B 10S/830 PSU-E UGR19 IP54	3000 K	120 lm/W	1,200 lm	-
911401551732	DN142B 10S/840 PSU-E UGR19 IP54	4000 K	120 lm/W	1,200 lm	-
910505103598	DN142B 20S/840 PSD-E WR	4000 K	116 lm/W	2,000 lm	White reflector perforated without louvre
910505103599	DN142B 20S/840	4000 K	116 lm/W	2,000 lm	White reflector perforated

Order Code	Full Product Name	Correlated Colour	Luminous efficacy	Luminous Flux	Optic type
		Temperature (Nom)	(rated) (nom.)	(nom.)	
	PSD-E WR IP54				without louvre
910505103613	DN142B 20S/840 WIA-E WR IP54	4000 K	117 lm/W	2,000 lm	White reflector perforated without louvre
911401551832	DN142B 20S/830 PSU-E WR	3000 K	120 lm/W	2,350 lm	-
911401551932	DN142B 20S/830 PSU-E WR IP54	3000 K	120 lm/W	2,350 lm	-
911401552232	DN142B 20S/840 PSD-E WR	4000 K	120 lm/W	2,350 lm	-
911401552332	DN142B 20S/840 PSD-E WR IP54	4000 K	120 lm/W	2,350 lm	-

Operating and Electrical

Order Code	Full Product Name	Input Voltage	Power Consumption
910505103591	DN142B 10S/840 PSD-E WR IP54	220 to 240 V	10.7 W
911401551132	DN142B 10S/830 PSU-E WR IP54	220-240 V	9.8 W
911401551532	DN142B 10S/840 PSU-E WR IP54	220-240 V	9.8 W
910505103597	DN142B 20S/830 PSD-E UGR19 IP54	220 to 240 V	20.5 W
910505103602	DN142B 20S/840 PSD-E UGR19 IP54	220 to 240 V	20.5 W
910505103614	DN142B 20S/840 WIA-E UGR19 IP54	220 to 240 V	20.4 W
911401552132	DN142B 20S/830 PSU-E UGR19 IP54	220-240 V	19.2 W
911401552532	DN142B 20S/840 PSU-E UGR19 IP54	220-240 V	19.2 W

Order Code	Full Product Name	Input Voltage	Power Consumption
910505103593	DN142B 10S/840 PSD-E UGR19 IP54	220 to 240 V	10.7 W
911401551332	DN142B 10S/830 PSU-E UGR19 IP54	220-240 V	9.8 W
911401551732	DN142B 10S/840 PSU-E UGR19 IP54	220-240 V	9.8 W
910505103598	DN142B 20S/840 PSD-E WR	220 to 240 V	20.5 W
910505103599	DN142B 20S/840 PSD-E WR IP54	220 to 240 V	20.5 W
910505103613	DN142B 20S/840 WIA-E WR IP54	220 to 240 V	20.4 W
911401551832	DN142B 20S/830 PSU-E WR	220-240 V	19.2 W
911401551932	DN142B 20S/830 PSU-E WR IP54	220-240 V	19.2 W
911401552232	DN142B 20S/840 PSD-E WR	220-240 V	19.2 W
911401552332	DN142B 20S/840 PSD-E WR IP54	220-240 V	19.2 W

Controls and Dimming

Order Code	Full Product Name	Dimmable	Maximum dim level
910505103591	DN142B 10S/840 PSD-E WR IP54	Yes	-
911401551132	DN142B 10S/830 PSU-E WR IP54	No	Not applicable
911401551532	DN142B 10S/840 PSU-E WR IP54	No	Not applicable
910505103597	DN142B 20S/830 PSD-E UGR19 IP54	Yes	-
910505103602	DN142B 20S/840 PSD-E UGR19 IP54	Yes	-
910505103614	DN142B 20S/840 WIA-E UGR19 IP54	Yes	-

Order Code	Full Product Name	Dimmable	Maximum dim level
911401552132	DN142B 20S/830 PSU-E UGR19 IP54	No	Not applicable
911401552532	DN142B 20S/840 PSU-E UGR19 IP54	No	Not applicable
910505103593	DN142B 10S/840 PSD-E UGR19 IP54	Yes	-
911401551332	DN142B 10S/830 PSU-E UGR19 IP54	No	Not applicable
911401551732	DN142B 10S/840 PSU-E UGR19 IP54	No	Not applicable
910505103598	DN142B 20S/840 PSD-E WR	Yes	-

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Order Code	Full Product Name	Dimmable	Maximum dim level
910505103599	DN142B 20S/840 PSD-E WR IP54	Yes	-
910505103613	DN142B 20S/840 WIA-E WR IP54	Yes	-
911401551832	DN142B 20S/830 PSU-E WR	No	Not applicable

Order Code	Full Product Name	Dimmable	Maximum dim level
911401551932	DN142B 20S/830 PSU-E WR IP54	No	Not applicable
911401552232	DN142B 20S/840 PSU-E WR	No	Not applicable
911401552332	DN142B 20S/840 PSU-E WR IP54	No	Not applicable

Mechanical and Housing

Order Code	Full Product Name	Ingress protection code
910505103591	DN142B 10S/840 PSD-E WR IP54	IP20/54
911401551132	DN142B 10S/830 PSU-E WR IP54	IP20/54
911401551532	DN142B 10S/840 PSU-E WR IP54	IP20/54
910505103597	DN142B 20S/830 PSD-E UGR19 IP54	IP20/54
910505103602	DN142B 20S/840 PSD-E UGR19 IP54	IP20/54
910505103614	DN142B 20S/840 WIA-E UGR19 IP54	IP20/54
911401552132	DN142B 20S/830 PSU-E UGR19 IP54	IP20/54
911401552532	DN142B 20S/840 PSU-E UGR19 IP54	IP20/54
910505103593	DN142B 10S/840 PSD-E UGR19 IP54	IP20/54

Order Code	Full Product Name	Ingress protection code
911401551332	DN142B 10S/830 PSU-E UGR19 IP54	IP20/54
911401551732	DN142B 10S/840 PSU-E UGR19 IP54	IP20/54
910505103598	DN142B 20S/840 PSD-E WR	IP20
910505103599	DN142B 20S/840 PSD-E WR IP54	IP20/54
910505103613	DN142B 20S/840 WIA-E WR IP54	IP20/54
911401551832	DN142B 20S/830 PSU-E WR	IP20
911401551932	DN142B 20S/830 PSU-E WR IP54	IP20/54
911401552232	DN142B 20S/840 PSU-E WR	IP20
911401552332	DN142B 20S/840 PSU-E WR IP54	IP20/54

Emergency Operation

Order Code	Full Product Name	Central Emergency	Emergency lighting
910505103591	DN142B 10S/840 PSD-E WR IP54	No	Emergency lighting ready (through compatible battery kit accessory)
911401551132	DN142B 10S/830 PSU-E WR IP54	-	-
911401551532	DN142B 10S/840 PSU-E WR IP54	-	-
910505103597	DN142B 20S/830 PSD-E UGR19 IP54	No	Emergency lighting ready (through compatible battery kit accessory)
910505103602	DN142B 20S/840 PSD-E UGR19 IP54	No	Emergency lighting ready (through compatible battery kit accessory)
910505103614	DN142B 20S/840 WIA-E UGR19 IP54	No	Emergency lighting ready (through compatible battery kit accessory)
911401552132	DN142B 20S/830 PSU-E UGR19 IP54	-	-
911401552532	DN142B 20S/840 PSU-E UGR19 IP54	-	-
910505103593	DN142B 10S/840 PSD-E UGR19 IP54	No	Emergency lighting ready (through compatible battery kit accessory)

Order Code	Full Product Name	Central Emergency	Emergency lighting
911401551332	DN142B 10S/830 PSU-E UGR19 IP54	-	-
911401551732	DN142B 10S/840 PSU-E UGR19 IP54	-	-
910505103598	DN142B 20S/840 PSD-E WR	No	Emergency lighting ready (through compatible battery kit accessory)
910505103599	DN142B 20S/840 PSD-E WR IP54	No	Emergency lighting ready (through compatible battery kit accessory)
910505103613	DN142B 20S/840 WIA-E WR IP54	No	Emergency lighting ready (through compatible battery kit accessory)
911401551832	DN142B 20S/830 PSU-E WR	-	-
911401551932	DN142B 20S/830 PSU-E WR IP54	-	-
911401552232	DN142B 20S/840 PSU-E WR	-	-
911401552332	DN142B 20S/840 PSU-E WR IP54	-	-

Approval and Application

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Order Code	Full Product Name	Flickering value (PstLM)
910505103591	DN142B 10S/840 PSD-E WR IP54	-
911401551132	DN142B 10S/830 PSU-E WR IP54	0.5
911401551532	DN142B 10S/840 PSU-E WR IP54	0.5
910505103597	DN142B 20S/830 PSD-E UGR19 IP54	-
910505103602	DN142B 20S/840 PSD-E UGR19 IP54	-
910505103614	DN142B 20S/840 WIA-E UGR19 IP54	-
911401552132	DN142B 20S/830 PSU-E UGR19 IP54	0.5
911401552532	DN142B 20S/840 PSU-E UGR19 IP54	0.5
910505103593	DN142B 10S/840 PSD-E UGR19 IP54	-

Order Code	Full Product Name	Flickering value (PstLM)
911401551332	DN142B 10S/830 PSU-E UGR19 IP54	0.5
911401551732	DN142B 10S/840 PSU-E UGR19 IP54	0.5
910505103598	DN142B 20S/840 PSD-E WR	-
910505103599	DN142B 20S/840 PSD-E WR IP54	-
910505103613	DN142B 20S/840 WIA-E WR IP54	-
911401551832	DN142B 20S/830 PSU-E WR	0.5
911401551932	DN142B 20S/830 PSU-E WR IP54	0.5
911401552232	DN142B 20S/840 PSU-E WR	0.5
911401552332	DN142B 20S/840 PSU-E WR IP54	0.5

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial chromaticity	Luminous flux tolerance
910505103591	DN142B 10S/840 PSD-E WR IP54	(0.380,0.377) SDCM≤5	-10% / +10%
911401551132	DN142B 10S/830 PSU-E WR IP54	(0.435,0.405) SDCM≤5	+/-10%
911401551532	DN142B 10S/840 PSU-E WR IP54	(0.380,0.377) SDCM≤5	+/-10%
910505103597	DN142B 20S/830 PSD-E UGR19 IP54	(0.435,0.404) SDCM≤5	-10% / +10%
910505103602	DN142B 20S/840 PSD-E UGR19 IP54	(0.380,0.377) SDCM≤5	-10% / +10%
910505103614	DN142B 20S/840 WIA-E UGR19 IP54	(0.380,0.377) SDCM≤5	-10% / +10%
911401552132	DN142B 20S/830 PSU-E UGR19 IP54	(0.435,0.404) SDCM≤5	+/-10%
911401552532	DN142B 20S/840 PSU-E UGR19 IP54	(0.380,0.377) SDCM≤5	+/-10%
910505103593	DN142B 10S/840 PSD-E UGR19 IP54	(0.380,0.377) SDCM≤5	-10% / +10%

Order Code	Full Product Name	Initial chromaticity	Luminous flux tolerance
911401551332	DN142B 10S/830 PSU-E UGR19 IP54	(0.435,0.405) SDCM≤5	+/-10%
911401551732	DN142B 10S/840 PSU-E UGR19 IP54	(0.380,0.377) SDCM≤5	+/-10%
910505103598	DN142B 20S/840 PSD-E WR	(0.380,0.377) SDCM≤5	-10% / +10%
910505103599	DN142B 20S/840 PSD-E WR IP54	(0.380,0.377) SDCM≤5	-10% / +10%
910505103613	DN142B 20S/840 WIA-E WR IP54	(0.380,0.377) SDCM≤5	-10% / +10%
911401551832	DN142B 20S/830 PSU-E WR	(0.435,0.404) SDCM≤5	+/-10%
911401551932	DN142B 20S/830 PSU-E WR IP54	(0.435,0.404) SDCM≤5	+/-10%
911401552232	DN142B 20S/840 PSU-E WR	(0.380,0.377) SDCM≤5	+/-10%
911401552332	DN142B 20S/840 PSU-E WR IP54	(0.380,0.377) SDCM≤5	+/-10%

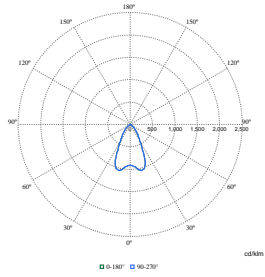
Product Data

Order Code	Full Product Name	Product family code
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911401551532	DN142B 10S/840 PSU-E WR IP54	-
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910505103602	DN142B 20S/840 PSD-E UGR19 IP54	DN142B
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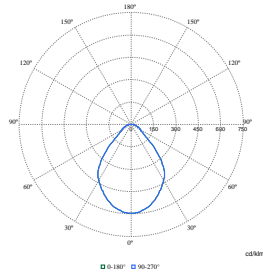
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910505103613	DN142B 20S/840 WIA-E WR IP54	DN142B
911401551832	DN142B 20S/830 PSU-E WR	-
911401551932	DN142B 20S/830 PSU-E WR IP54	-
911401552232	DN142B 20S/840 PSU-E WR	-
911401552332	DN142B 20S/840 PSU-E WR IP54	-

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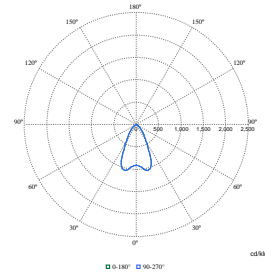
Polar Wide Diagrams



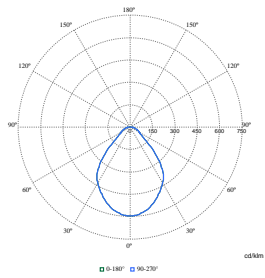
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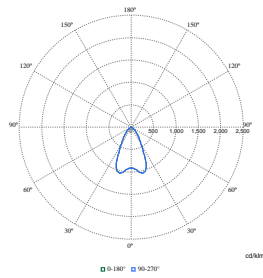
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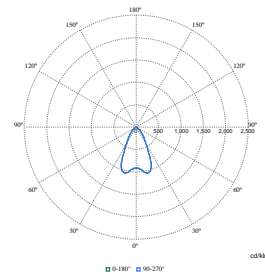
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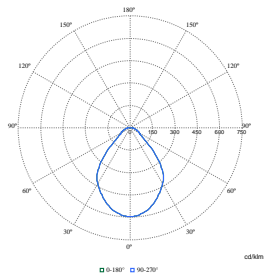
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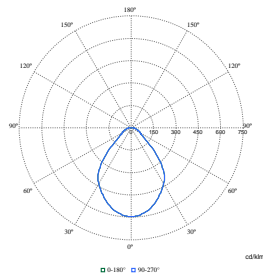
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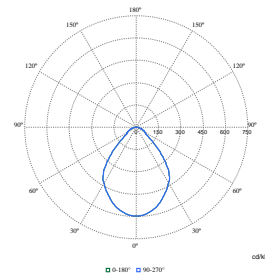
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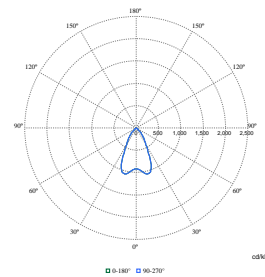
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Polar Normal (separate) - DN142BI - 910505103598



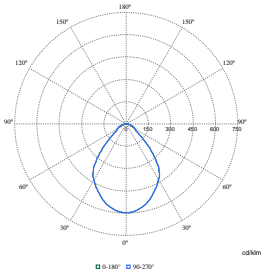
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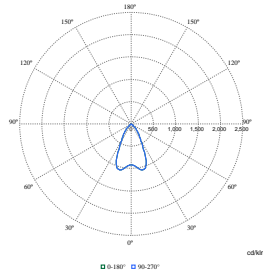
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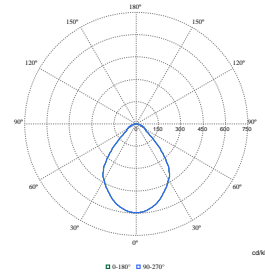
Polar Wide Diagrams



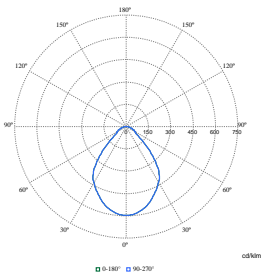
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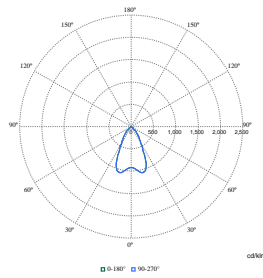
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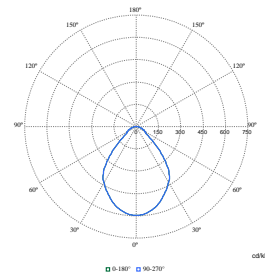
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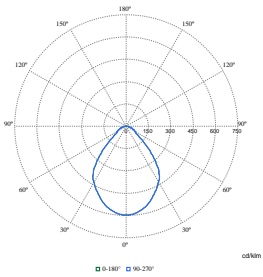
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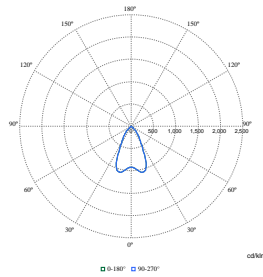
Polar Normal (separate) - 911401552132



Polar Normal (separate) - 911401552232



Polar Normal (separate) - 911401552332



Polar Normal (separate) - 911401552532

