



StoreSet Linear – A slim, discreet design for smaller format stores of the future

StoreSet Linear is an ultra-flexible linear luminaire for retail track systems that offers excellent quality with the promise of future-proof upgrades. In retail applications such as supermarkets, city format shops, express stores, each linear panel can be combined with a wide range of spots from our portfolio, and integrated smoothly into your existing track system. So you can give your merchandise sparkle and stand out on the shelves, as well as in aisles and open areas. StoreSet Linear (SM504T) has a discreet, slim panel design that makes it easy to position the luminaires anywhere you like along the tracks - and accommodate future layout changes. Versions with a wireless driver offer enhanced comfort with dimming and scene setting on existing three-circuit track-mounted infrastructure without the need for wired controls. Plus integrated sensors for data collection will shed light on insightful, granular information that you can use to support your business.

Benefits

- Customized store ambiances with a high-flux linear luminaires and flexible positioning to suit any store layout
- Excellent quality of light combined with a wide range of high-efficiency optics and various color recipes
- Slim, discreet linear design that can be mixed with accent lighting projectors

- Easy maintenance with toolless access to driver
- Lighting designed for circularity

Applications

- Food and Large Retailers
- Retail

- Petrol and Convenience
- City format shops, express stores, proximity formats

Features

- Wide range of beams with OptiSuit optics available
- 3C track (SM504T) installation
- Efficient solution: up to 150 lumen per Watt (XA version)
- Robust but lightweight aluminum construction with plastic end caps

- Controls: Wired (DALI) and wireless connectivity, indoor positioning options available to enable our connected systems Interact for Retail and Interact Pro
- Color quality choices: standard, CRI90 and PremiumWhite
- Lighting designed for circularity with serviceable driver and integrated sensors
- The canopy and optical surfaces must only ever be cleaned with a lint-free cloth and without detergents.

Versions



StoreSet Linear full length,
black

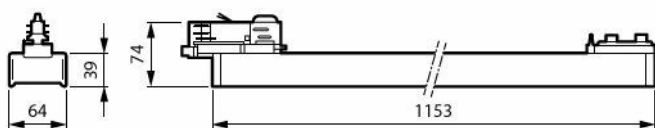


StoreSet Linear full length,
white



StoreSet Linear full length,
silver

Dimensional drawing



STORESET LINEAR - Power supply unit - Double asymmetric optic 35° wide beam - 104° x 98°

Product details



StoreSet Linear close-up track adaptor on track, black



StoreSet Linear close-up track adaptor on track, white



StoreSet Linear close-up mech adaptor on track, silver



StoreSet Linear close-up track adaptor on track, silver



StoreSet Linear close-up track adaptor + endcap, silver



StoreSet Linear top view mechanical adaptor, silver



StoreSet Linear top view mechanical adaptor, black



StoreSet Linear close-up mech adaptor + endcap, white



StoreSet Linear close-up mech adaptor on track, white



StoreSet Linear close-up mech adaptor + endcap, silver



StoreSet Linear close-up track adaptor + endcap, white



StoreSet Linear top view track adaptor, white



StoreSet Linear close-up mech adaptor on track, black



StoreSet Linear close-up track adaptor + endcap, black



StoreSet Linear top view track adaptor, silver



StoreSet Linear top view track adaptor, black



StoreSet Linear top view mechanical adaptor, white



StoreSet Linear close-up mech adaptor + endcap, black

General Information

Light source replaceable	No
Number of gear units	1 unit
Driver included	Yes
Service tag	Yes

Light Technical

Beam angle of light source	120 degree(s)
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Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Suitable for random switching	Yes
Protection class IEC	Safety class I

Controls and Dimming

Embedded control	Visible light communication
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Mechanical and Housing

Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]

Approval and Application

Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes
ENEC mark	ENEC mark
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Ambient temperature range	+10 to +35 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
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Product Data

Product family code	SM504T [STORESET LINEAR]
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Light Technical

Order Code	Full Product Name	Luminous Flux	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)	Color rendering index (CRI)	Optic type
01230100	SM504T 61S/840 DIA-VLC WB BK	6,100 lm	4000 K	129 lm/W	>80	Wide beam
01234900	SM504T 80S/830 PSU WB BK	8,000 lm	3000 K	140 lm/W	>80	Wide beam
01403900	SM504T 80S/940 PSU WB BK	7,900 lm	4000 K	143 lm/W	>90	Wide beam
01115100	SM504T 80S/830 DIA-VLC WB BK	8,000 lm	3000 K	137 lm/W	>80	Wide beam
83852900	SM504T 61S/840 PSU WB BK	6,100 lm	4000 K	130 lm/W	>80	Wide beam
01228800	SM504T 61S/830 PSU WB WH	6,100 lm	3000 K	119 lm/W	>80	Wide beam
01229500	SM504T 61S/830 DIA-VLC DA35W WH	6,100 lm	3000 K	119 lm/W	>80	Double asymmetric optic 35° wide beam

Order Code	Full Product Name	Luminous Flux	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)	Color rendering index (CRI)	Optic type
01231800	SM504T 61S/840 PSU A20 WH	6,100 lm	4000 K	129 lm/W	>80	Asymmetrical mirror axis angle 20°
01233200	SM504T 66S/840 PSU DA45 WH	6,600 lm	4000 K	154 lm/W	>80	Double asymmetric optic 45°
01237000	SM504T 80S/840 PSU A20 WH	8,000 lm	4000 K	150 lm/W	>80	Asymmetrical mirror axis angle 20°
01238700	SM504T 80S/840 PSU DA45 WH	8,000 lm	4000 K	150 lm/W	>80	Double asymmetric optic 45°
01242400	SM504T 66S/830 DIA-VLC WB WH XA	6,600 lm	3000 K	150 lm/W	>80	Wide beam
01243100	SM504T 66S/840 DIA-VLC DA35W WH XA	6,600 lm	4000 K	160 lm/W	>80	Double asymmetric optic 35° wide beam
01247900	SM504T 90S/840 PSU DA35W WH XA	9,000 lm	4000 K	155 lm/W	>80	Double asymmetric optic 35° wide beam
01416900	SM504T 66S/940 WIA DA35W WH	6,700 lm	4000 K	145 lm/W	>90	Double asymmetric optic 35° wide beam
01232500	SM504T 66S/830 DIA-VLC WB SI	6,600 lm	3000 K	143 lm/W	>80	Wide beam
01241700	SM504T 90S/840 PSU WB SI	9,200 lm	4000 K	146 lm/W	>80	Wide beam

Operating and Electrical

Order Code	Full Product Name	Power Consumption
01230100	SM504T 61S/840 DIA-VLC WB BK	47 W
01234900	SM504T 80S/830 PSU WB BK	57 W
01403900	SM504T 80S/940 PSU WB BK	55 W
01115100	SM504T 80S/830 DIA-VLC WB BK	57 W
83852900	SM504T 61S/840 PSU WB BK	47 W
01228800	SM504T 61S/830 PSU WB WH	51 W
01229500	SM504T 61S/830 DIA-VLC DA35W WH	51 W
01231800	SM504T 61S/840 PSU A20 WH	47 W
01233200	SM504T 66S/840 PSU DA45 WH	43 W
01237000	SM504T 80S/840 PSU A20 WH	54 W
01238700	SM504T 80S/840 PSU DA45 WH	54 W
01242400	SM504T 66S/830 DIA-VLC WB WH XA	44 W
01243100	SM504T 66S/840 DIA-VLC DA35W WH XA	41 W
01247900	SM504T 90S/840 PSU DA35W WH XA	58 W
01416900	SM504T 66S/940 WIA DA35W WH	45 W
01232500	SM504T 66S/830 DIA-VLC WB SI	46 W
01241700	SM504T 90S/840 PSU WB SI	63 W

Controls and Dimming

Order Code	Full Product Name	Dimmable	Maximum dim level
01230100	SM504T 61S/840 DIA-VLC WB BK	Yes	1%

Order Code	Full Product Name	Dimmable	Maximum dim level
01234900	SM504T 80S/830 PSU WB BK	No	Not applicable
01403900	SM504T 80S/940 PSU WB BK	No	Not applicable
01115100	SM504T 80S/830 DIA-VLC WB BK	Yes	1%
83852900	SM504T 61S/840 PSU WB BK	No	Not applicable
01228800	SM504T 61S/830 PSU WB WH	No	Not applicable
01229500	SM504T 61S/830 DIA-VLC DA35W WH	Yes	1%
01231800	SM504T 61S/840 PSU A20 WH	No	Not applicable
01233200	SM504T 66S/840 PSU DA45 WH	No	Not applicable
01237000	SM504T 80S/840 PSU A20 WH	No	Not applicable
01238700	SM504T 80S/840 PSU DA45 WH	No	Not applicable
01242400	SM504T 66S/830 DIA-VLC WB WH XA	Yes	1%
01243100	SM504T 66S/840 DIA-VLC DA35W WH XA	Yes	1%
01247900	SM504T 90S/840 PSU DA35W WH XA	No	Not applicable
01416900	SM504T 66S/940 WIA DA35W WH	Yes	1%
01232500	SM504T 66S/830 DIA-VLC WB SI	Yes	1%
01241700	SM504T 90S/840 PSU WB SI	No	Not applicable

Mechanical and Housing

Order Code	Full Product Name	Housing Color
01230100	SM504T 61S/840 DIA-VLC WB BK	Black
01234900	SM504T 80S/830 PSU WB BK	Black
01403900	SM504T 80S/940 PSU WB BK	Black
01115100	SM504T 80S/830 DIA-VLC WB BK	Black
83852900	SM504T 61S/840 PSU WB BK	Black
01228800	SM504T 61S/830 PSU WB WH	White
01229500	SM504T 61S/830 DIA-VLC DA35W WH	White
01231800	SM504T 61S/840 PSU A20 WH	White
01233200	SM504T 66S/840 PSU DA45 WH	White
01237000	SM504T 80S/840 PSU A20 WH	White
01238700	SM504T 80S/840 PSU DA45 WH	White
01242400	SM504T 66S/830 DIA-VLC WB WH XA	White
01243100	SM504T 66S/840 DIA-VLC DA35W WH XA	White
01247900	SM504T 90S/840 PSU DA35W WH XA	White
01416900	SM504T 66S/940 WIA DA35W WH	White
01232500	SM504T 66S/830 DIA-VLC WB SI	Silver
01241700	SM504T 90S/840 PSU WB SI	Silver

Approval and Application

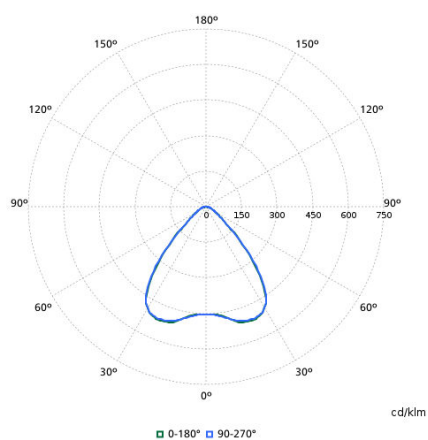
Order Code	Full Product Name	Stroboscopic effect visibility measure (SVM)
01230100	SM504T 61S/840 DIA-VLC WB BK	-

Order Code	Full Product Name	Stroboscopic effect visibility measure (SVM)
01234900	SM504T 80S/830 PSU WB BK	-
01403900	SM504T 80S/940 PSU WB BK	-
01115100	SM504T 80S/830 DIA-VLC WB BK	0.9
83852900	SM504T 61S/840 PSU WB BK	0.4
01228800	SM504T 61S/830 PSU WB WH	-
01229500	SM504T 61S/830 DIA-VLC DA35W WH	-
01231800	SM504T 61S/840 PSU A20 WH	-
01233200	SM504T 66S/840 PSU DA45 WH	-
01237000	SM504T 80S/840 PSU A20 WH	-
01238700	SM504T 80S/840 PSU DA45 WH	-
01242400	SM504T 66S/830 DIA-VLC WB WH XA	-
01243100	SM504T 66S/840 DIA-VLC DA35W WH XA	-
01247900	SM504T 90S/840 PSU DA35W WH XA	-
01416900	SM504T 66S/940 WIA DA35W WH	-
01232500	SM504T 66S/830 DIA-VLC WB SI	-
01241700	SM504T 90S/840 PSU WB SI	-

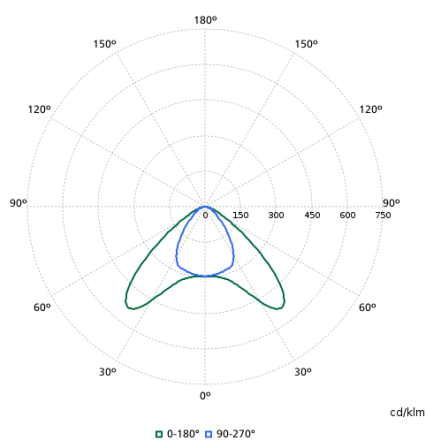
Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial chromaticity
01230100	SM504T 61S/840 DIA-VLC WB BK	(0.38, 0.38) SDCM<3
01234900	SM504T 80S/830 PSU WB BK	(0.43, 0.40) SDCM<3
01403900	SM504T 80S/940 PSU WB BK	(0.38, 0.38) SDCM<3
01115100	SM504T 80S/830 DIA-VLC WB BK	(0.43, 0.40) SDCM<3
83852900	SM504T 61S/840 PSU WB BK	(0.38, 0.38) SDCM<3
01228800	SM504T 61S/830 PSU WB WH	(0.43, 0.40) SDCM<3
01229500	SM504T 61S/830 DIA-VLC DA35W WH	(0.43, 0.40) SDCM<3
01231800	SM504T 61S/840 PSU A20 WH	(0.38, 0.38) SDCM<3
01233200	SM504T 66S/840 PSU DA45 WH	(0.38, 0.38) SDCM<3
01237000	SM504T 80S/840 PSU A20 WH	(0.38, 0.38) SDCM<3
01238700	SM504T 80S/840 PSU DA45 WH	(0.38, 0.38) SDCM<3
01242400	SM504T 66S/830 DIA-VLC WB WH XA	(0.43, 0.40) SDCM<3
01243100	SM504T 66S/840 DIA-VLC DA35W WH XA	(0.38, 0.38) SDCM<3
01247900	SM504T 90S/840 PSU DA35W WH XA	(0.38, 0.38) SDCM<3
01416900	SM504T 66S/940 WIA DA35W WH	(0.38, 0.38) SDCM<3
01232500	SM504T 66S/830 DIA-VLC WB SI	(0.43, 0.40) SDCM<3
01241700	SM504T 90S/840 PSU WB SI	(0.38, 0.38) SDCM<3

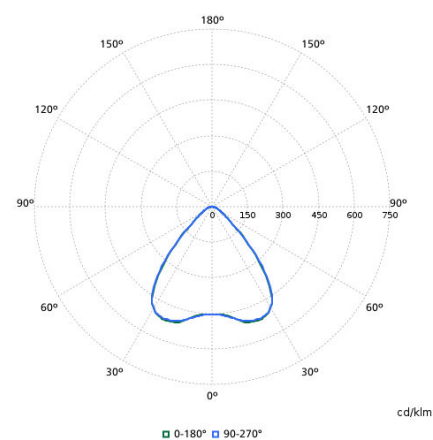
Polar normal diagrams



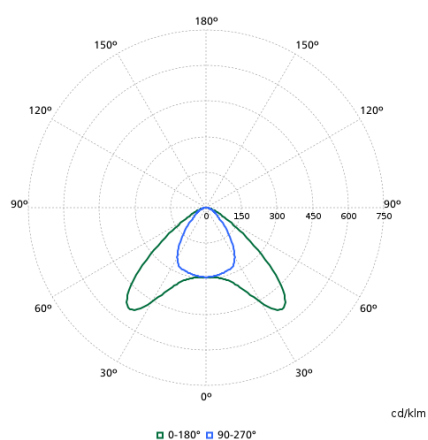
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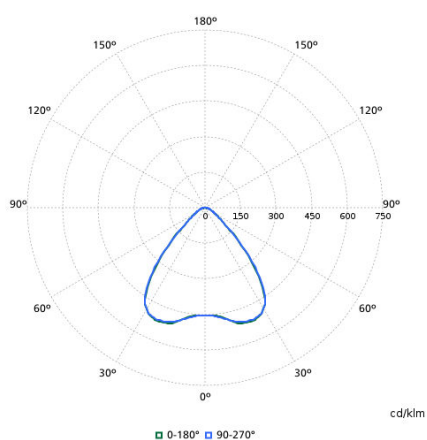
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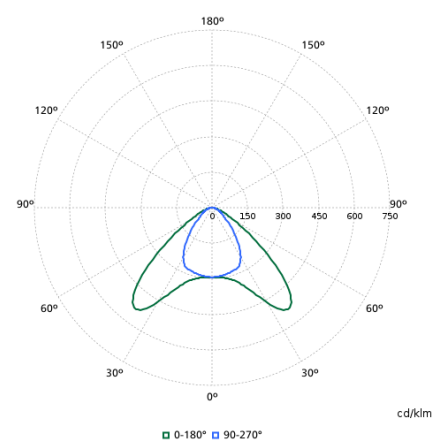
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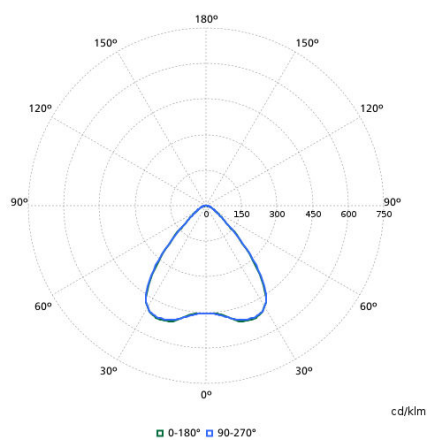
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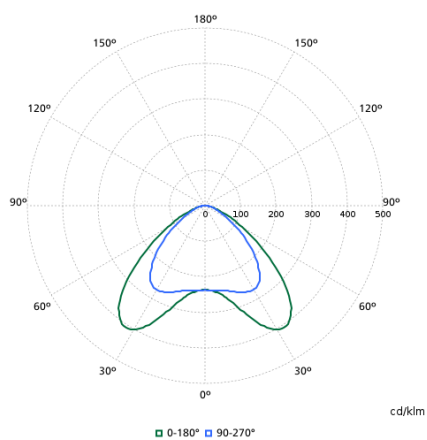
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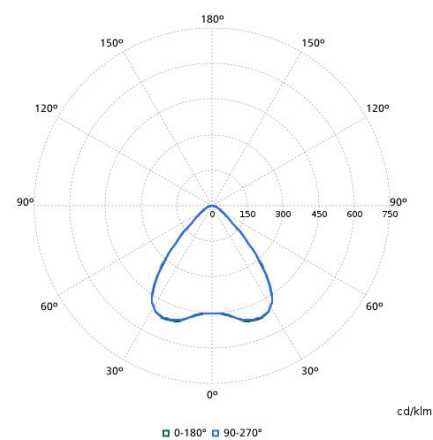
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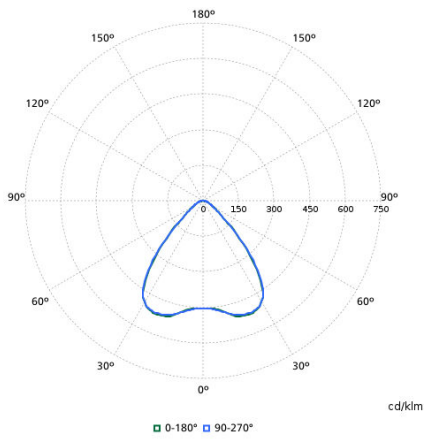
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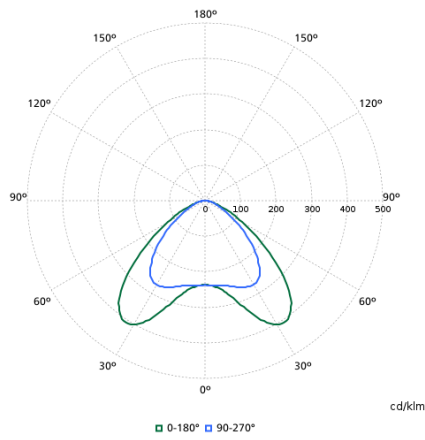
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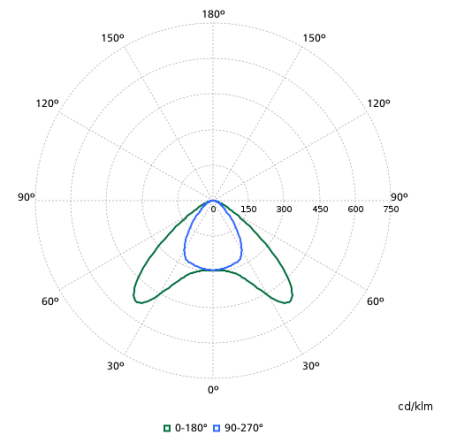
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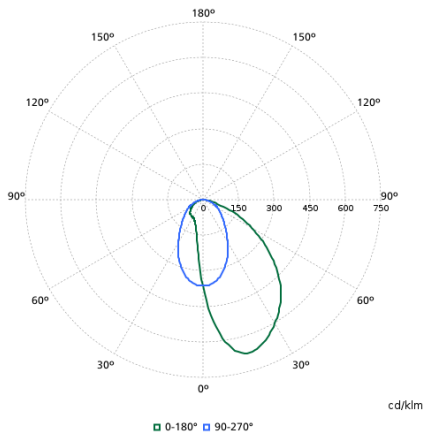
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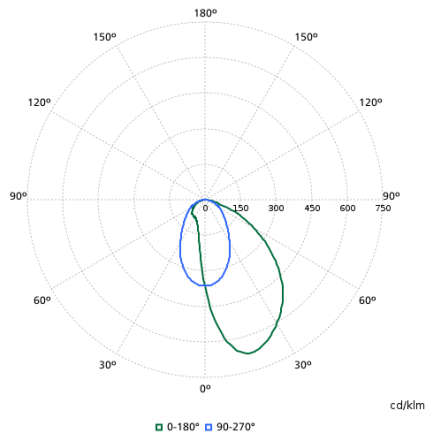
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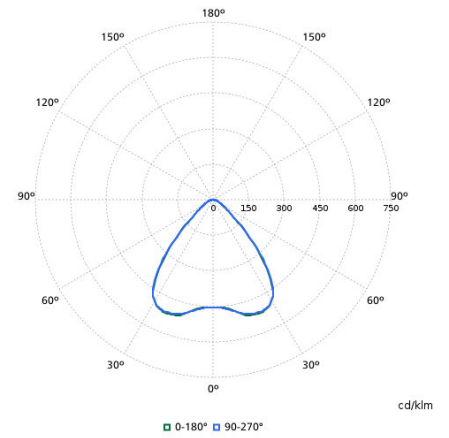
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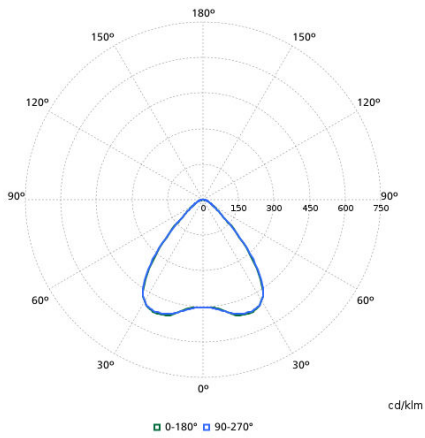
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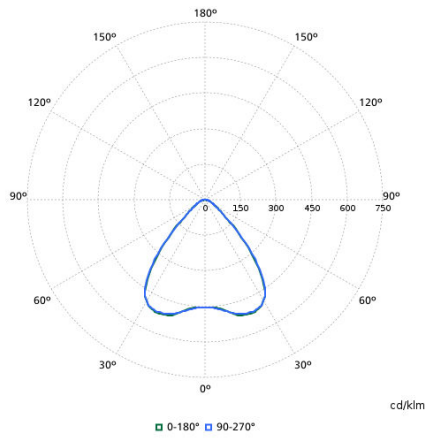
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