



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

## StoreSet Linear

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

## StoreSet Linear

### 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

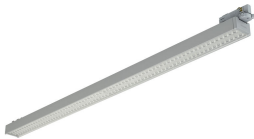
### Application

- Food and Large Retailers
- Retail
- Petrol and Convenience
- City format shops, express stores, proximity formats

### Warnings and Safety

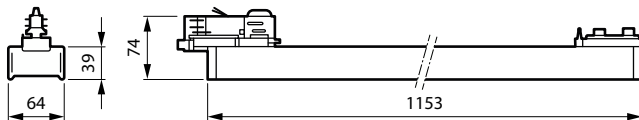
- The canopy and optical surfaces must only ever be cleaned with a lint-free cloth and without detergents.

### Versions



StoreSet Linear full length, silver

### Dimensional drawing



# StoreSet Linear

## 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

## Product details



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

## Product details

StoreSet Linear top view  
mechanical adaptor, white



StoreSet Linear close-up mech  
adaptor + endcap, black



### General Information

Driver included	Yes
Number of gear units	1 unit

### Light Technical

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

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

### Mechanical and Housing

Mech. impact protection code	IK02
Ingress protection code	IP20

### Approval and Application

Ambient temperature range	+10 to +35 °C
CE mark	Yes
ENEC mark	ENEC mark
Flammability mark	For mounting on normally flammable surfaces
Glow-wire test	Temperature 650 °C, duration 30 s

### Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
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### Product Data

Product family code	SM504T
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### General Information

Order Code	Full Product Name	Light source replaceable	Service tag
01230100	SM504T 61S/840 DIA-VLC WB BK	No	Yes
01234900	SM504T 80S/830 PSU WB BK	No	Yes
01403900	SM504T 80S/940 PSU WB BK	No	Yes
01115100	SM504T 80S/830 DIA-VLC WB BK	No	Yes
83852900	SM504T 61S/840 PSU WB BK	-	-
01228800	SM504T 61S/830 PSU WB WH	No	Yes
01229500	SM504T 61S/830 DIA-VLC DA35W WH	No	Yes
01231800	SM504T 61S/840 PSU A20 WH	No	Yes
01233200	SM504T 66S/840 PSU DA45 WH	No	Yes
01237000	SM504T 80S/840 PSU A20 WH	No	Yes
01238700	SM504T 80S/840 PSU DA45 WH	No	Yes
01242400	SM504T 66S/830 DIA-VLC WB WH XA	No	Yes
01243100	SM504T 66S/840 DIA-VLC DA35W WH XA	No	Yes
01247900	SM504T 90S/840 PSU DA35W WH XA	No	Yes
01416900	SM504T 66S/940 WIA DA35W WH	No	Yes
01232500	SM504T 66S/830 DIA-VLC WB SI	No	Yes
01241700	SM504T 90S/840 PSU WB SI	No	Yes

## Light Technical (1/2)

## StoreSet Linear

Order Code	Full Product Name	Correlated	Color	Luminous	Luminous Flux
		Color Temperature (Nom)	rendering index (CRI)	Efficacy (rated) (Nom)	
01230100	SM504T 61S/840 DIA-VLC WB BK	4000 K	>80	129 lm/W	6,100 lm
01234900	SM504T 80S/830 PSU WB BK	3000 K	>80	140 lm/W	8,000 lm
01403900	SM504T 80S/940 PSU WB BK	4000 K	>90	143 lm/W	7,900 lm
01115100	SM504T 80S/830 DIA-VLC WB BK	3000 K	>80	137 lm/W	8,000 lm
83852900	SM504T 61S/840 PSU WB BK	4000 K	>80	130 lm/W	6,100 lm
01228800	SM504T 61S/830 PSU WB WH	3000 K	>80	119 lm/W	6,100 lm
01229500	SM504T 61S/830 DIA-VLC DA35W WH	3000 K	>80	119 lm/W	6,100 lm
01231800	SM504T 61S/840 PSU A20 WH	4000 K	>80	129 lm/W	6,100 lm
01233200	SM504T 66S/840 PSU DA45 WH	4000 K	>80	154 lm/W	6,600 lm

Order Code	Full Product Name	Correlated	Color	Luminous	Luminous Flux
		Color Temperature (Nom)	rendering index (CRI)	Efficacy (rated) (Nom)	
01237000	SM504T 80S/840 PSU A20 WH	4000 K	>80	150 lm/W	8,000 lm
01238700	SM504T 80S/840 PSU DA45 WH	4000 K	>80	150 lm/W	8,000 lm
01242400	SM504T 66S/830 DIA-VLC WB WH XA	3000 K	>80	150 lm/W	6,600 lm
01243100	SM504T 66S/840 DIA-VLC DA35W WH XA	4000 K	>80	160 lm/W	6,600 lm
01247900	SM504T 90S/840 PSU DA35W WH XA	4000 K	>80	155 lm/W	9,000 lm
01416900	SM504T 66S/940 WIA DA35W WH	4000 K	>90	145 lm/W	6,700 lm
01232500	SM504T 66S/830 DIA-VLC WB SI	3000 K	>80	143 lm/W	6,600 lm
01241700	SM504T 90S/840 PSU WB SI	4000 K	>80	146 lm/W	9,200 lm

### Light Technical (2/2)

Order Code	Full Product Name	Optic type
01230100	SM504T 61S/840 DIA-VLC WB BK	Wide beam
01234900	SM504T 80S/830 PSU WB BK	Wide beam
01403900	SM504T 80S/940 PSU WB BK	Wide beam
01115100	SM504T 80S/830 DIA-VLC WB BK	Wide beam
83852900	SM504T 61S/840 PSU WB BK	Wide beam
01228800	SM504T 61S/830 PSU WB WH	Wide beam
01229500	SM504T 61S/830 DIA-VLC DA35W WH	Double asymmetric optic 35° wide beam
01231800	SM504T 61S/840 PSU A20 WH	Asymmetrical mirror axis angle 20°
01233200	SM504T 66S/840 PSU DA45 WH	Double asymmetric optic 45°
01237000	SM504T 80S/840 PSU A20 WH	Asymmetrical mirror axis angle 20°

Order Code	Full Product Name	Optic type
01238700	SM504T 80S/840 PSU DA45 WH	Double asymmetric optic 45°
01242400	SM504T 66S/830 DIA-VLC WB WH XA	Wide beam
01243100	SM504T 66S/840 DIA-VLC DA35W WH XA	Double asymmetric optic 35° wide beam
01247900	SM504T 90S/840 PSU DA35W WH XA	Double asymmetric optic 35° wide beam
01416900	SM504T 66S/940 WIA DA35W WH	Double asymmetric optic 35° wide beam
01232500	SM504T 66S/830 DIA-VLC WB SI	Wide beam
01241700	SM504T 90S/840 PSU WB SI	Wide beam

### Operating and Electrical

## StoreSet Linear

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

Order Code	Full Product Name	Power Consumption
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	Embedded control	Maximum dim level
01230100	SM504T 61S/840 DIA-VLC WB BK	Yes	Visible light communication	1%
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	Visible light communication	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	Visible light communication	1%
01231800	SM504T 61S/840 PSU A20 WH	No	-	Not applicable
01233200	SM504T 66S/840 PSU DA45 WH	No	-	Not applicable

Order Code	Full Product Name	Dimmable	Embedded control	Maximum dim level
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	Visible light communication	1%
01243100	SM504T 66S/840 DIA-VLC DA35W WH XA	Yes	Visible light communication	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	Visible light communication	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

Order Code	Full Product Name	Housing Color
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	Flickering value (PstLM) -	
		Flickering value as per EN 61000-3-3	Stroboscopic effect visibility measure (SVM)
01230100	SM504T 61S/840 DIA-VLC WB BK	-	-
01234900	SM504T 80S/830 PSU WB BK	-	-
01403900	SM504T 80S/940 PSU WB BK	-	-
01115100	SM504T 80S/830 DIA-VLC WB BK	1	0.9
83852900	SM504T 61S/840 PSU WB BK	1	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	-	-

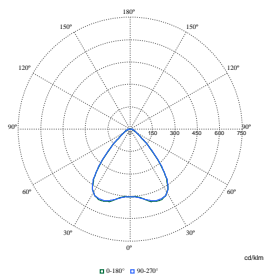
Order Code	Full Product Name	Flickering value (PstLM) -	
		Flickering value as per EN 61000-3-3	Stroboscopic effect visibility measure (SVM)
01238700	SM504T 80S/840 PSU DA45 WH	-	-
01242400	SM504T 66S/830 DIA-VLC WB WH XA	-	-
01243100	SM504T 66S/840 DIA-VLC DA35W WH XA	-	-
01247900	SM504T 90S/840 PSU 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)

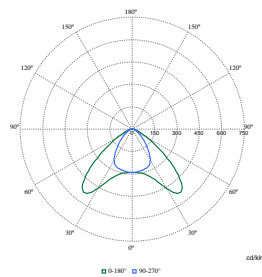
Order Code	Full Product Name	Initial chromaticity
01230100	SM504T 61S/840 DIA-VLC WB BK	(0.38, 0.38) SDCM<3
01234900	SM504T 80S/830 PSU WB BK	(0.43, 0.40) SDCM<3
01403900	SM504T 80S/940 PSU WB BK	(0.38, 0.38) SDCM<3
01115100	SM504T 80S/830 DIA-VLC WB BK	(0.43, 0.40) SDCM<3
83852900	SM504T 61S/840 PSU 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

Order Code	Full Product Name	Initial chromaticity
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

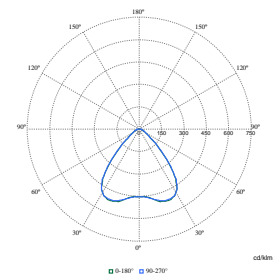
## Polar Wide Diagrams



Polar Normal (separate) - SM504TI - 910505102222

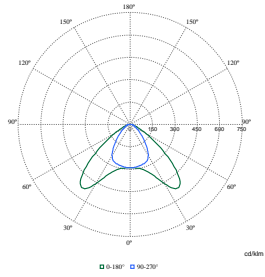


Polar Normal (separate) - SM504TI - 910505102224

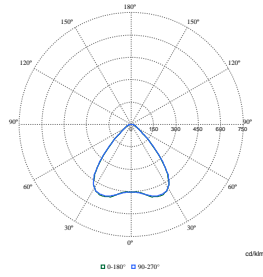


Polar Normal (separate) - SM504TI - 910505102213

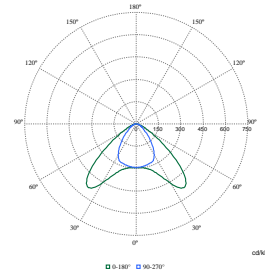
Polar Wide Diagrams



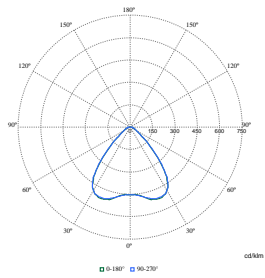
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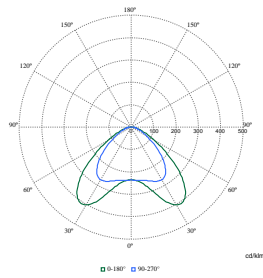
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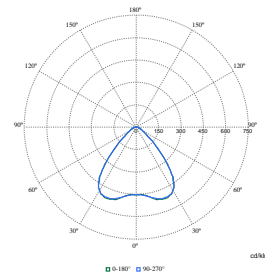
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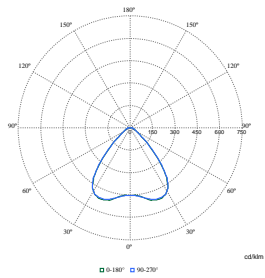
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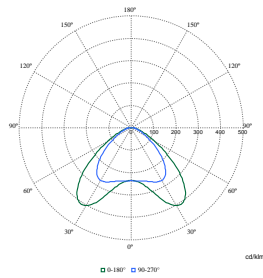
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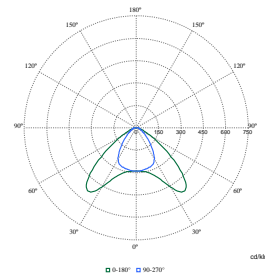
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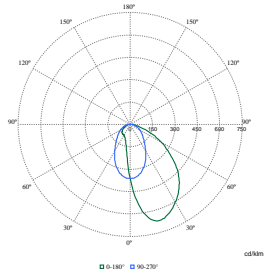


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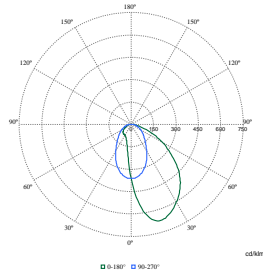


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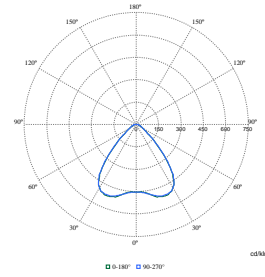
## Polar Wide Diagrams



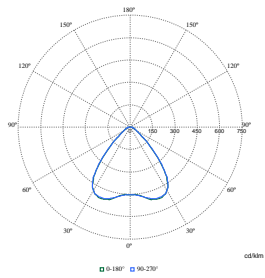
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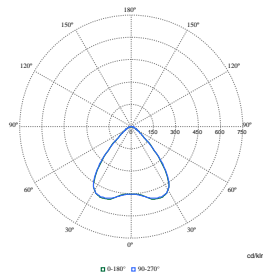
**Polar Normal (separate) - SM504TI - 910505102218**



**Polar Normal (separate) - SM504TI - 910505102383**



**Polar Normal (separate) - SM504TI - 910505102565**



**Polar Normal (separate) - SM504TI - 910505104963**

