



# Philips 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

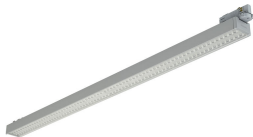
## Warnings and Safety

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

## Versions

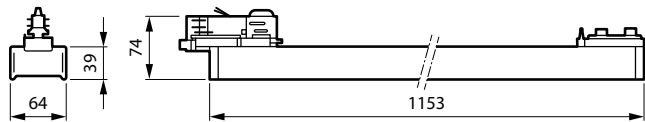


StoreSet Linear full length, white



StoreSet Linear full length, silver

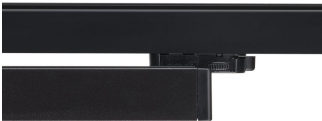
## Dimensional drawing



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

Product details

StoreSet Linear top view  
mechanical adaptor, white



StoreSet Linear close-up mech  
adaptor + endcap, black



| General Information                 |                                             |
|-------------------------------------|---------------------------------------------|
| Driver included                     | Yes                                         |
| Light source replaceable            | No                                          |
| Number of gear units                | 1 unit                                      |
| Service tag                         | Yes                                         |
| Light Technical                     |                                             |
| Beam angle of light source          | 120 degree(s)                               |
| 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%                                      |
| Product Data                        |                                             |
| Product family code                 | SM504T                                      |

Light Technical (1/2)

| Order Code | Full Product Name                  | Correlated Color Temperature | Color rendering | Luminous Efficacy |               |
|------------|------------------------------------|------------------------------|-----------------|-------------------|---------------|
|            |                                    | (Nom)                        | index (CRI)     | (rated) (Nom)     | Luminous Flux |
| 01230100   | SM504T 61S/840 DIA-VLC WB BK       | 4000 K                       | >80             | 130 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             | 144 lm/W          | 7,900 lm      |
| 01115100   | SM504T 80S/830 DIA-VLC WB BK       | 3000 K                       | >80             | 140 lm/W          | 8,000 lm      |
| 01228800   | SM504T 61S/830 PSU WB WH           | 3000 K                       | >80             | 120 lm/W          | 6,100 lm      |
| 01229500   | SM504T 61S/830 DIA-VLC DA35W WH    | 3000 K                       | >80             | 120 lm/W          | 6,100 lm      |
| 01231800   | SM504T 61S/840 PSU A20 WH          | 4000 K                       | >80             | 130 lm/W          | 6,100 lm      |
| 01233200   | SM504T 66S/840 PSU DA45 WH         | 4000 K                       | >80             | 153 lm/W          | 6,600 lm      |
| 01237000   | SM504T 80S/840 PSU A20 WH          | 4000 K                       | >80             | 148 lm/W          | 8,000 lm      |
| 01238700   | SM504T 80S/840 PSU DA45 WH         | 4000 K                       | >80             | 148 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             | 161 lm/W          | 6,600 lm      |
| 01247900   | SM504T 90S/840 PSU DA35W WH XA     | 4000 K                       | >80             | 155 lm/W          | 9,000 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)

StoreSet Linear

| 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                             |
| 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°           |

| Order Code | Full Product Name                  | Optic type                            |
|------------|------------------------------------|---------------------------------------|
| 01237000   | SM504T 80S/840 PSU A20 WH          | Asymmetrical mirror axis angle 20°    |
| 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 |
| 01232500   | SM504T 66S/830 DIA-VLC WB SI       | Wide beam                             |
| 01241700   | SM504T 90S/840 PSU WB SI           | 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              |
| 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              |
| 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%                |
| 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%                |
| 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    |

| Order Code | Full Product Name                  | Dimmable | 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      | 1%                |
| 01243100   | SM504T 66S/840 DIA-VLC DA35W WH XA | Yes      | 1%                |
| 01247900   | SM504T 90S/840 PSU DA35W WH XA     | No       | Not applicable    |
| 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         |
| 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         |
| 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                                          |
| 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       | -                                    | -                                            |

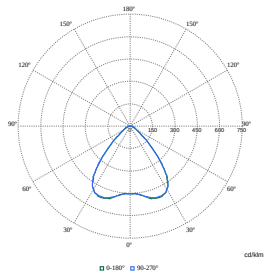
| Order Code | Full Product Name                  | Flickering value (PstLM) -           |                                              |
|------------|------------------------------------|--------------------------------------|----------------------------------------------|
|            |                                    | 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     | -                                    | -                                            |
| 01232500   | SM504T 66S/830 DIA-VLC WB SI       | -                                    | -                                            |
| 01241700   | SM504T 90S/840 PSU WB SI           | -                                    | -                                            |

Initial Performance (IEC Compliant)

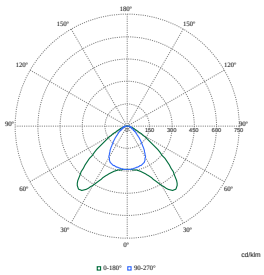
| Order Code | Full Product Name               | Initial chromaticity |
|------------|---------------------------------|----------------------|
| 01230100   | SM504T 61S/840 DIA-VLC WB BK    | (0.38, 0.38) SDCM<3  |
| 01234900   | SM504T 80S/830 PSU WB BK        | (0.43, 0.40) SDCM<3  |
| 01403900  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

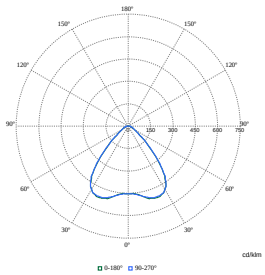
Polar Wide Diagrams



Polar Normal (separate) - SM504TI - 910505102222

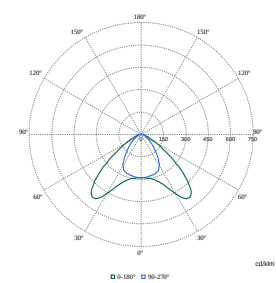


Polar Normal (separate) - SM504TI - 910505102224

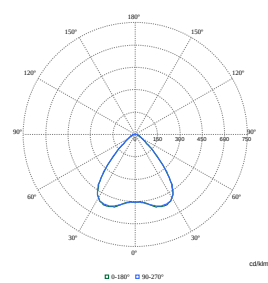


Polar Normal (separate) - SM504TI - 910505102213

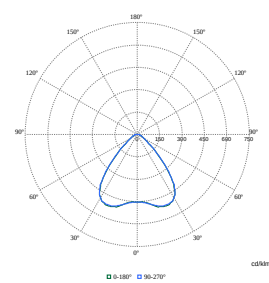
Polar Wide Diagrams



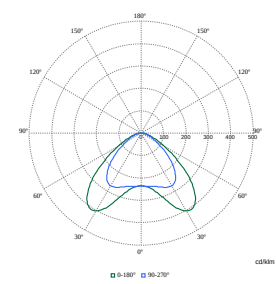
Polar Normal (separate) - SM504TI - 910505102210



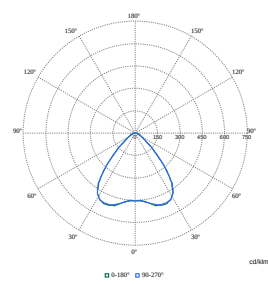
Polar Normal (separate) - SM504TI - 910505102215



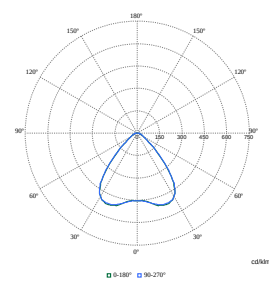
Polar Normal (separate) - SM504TI - 910505102211



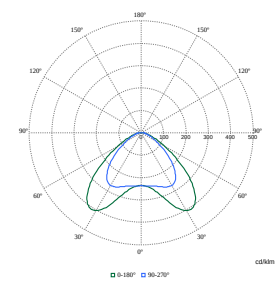
Polar Normal (separate) - SM504TI - 910505102214



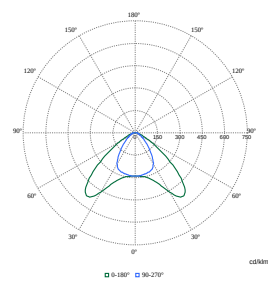
Polar Normal (separate) - SM504TI - 910505102209



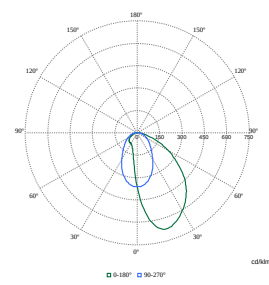
Polar Normal (separate) - SM504TI - 910505102223



Polar Normal (separate) - SM504TI - 910505102219



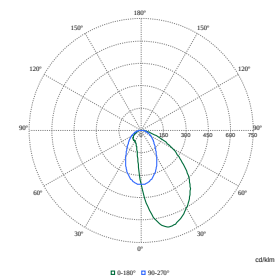
Polar Normal (separate) - SM504TI - 910505102228



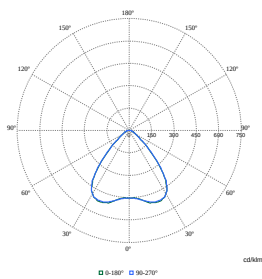
Polar Normal (separate) - SM504TI - 910505102212



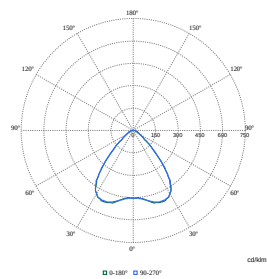
Polar Wide Diagrams



Polar Normal (separate) - SM504TI - 910505102218



Polar Normal (separate) - SM504TI - 910505102383



Polar Normal (separate) - SM504TI - 910505102565

