



# SM500T – Ambiance creation made flexible

## SM500T

In today's retail market, online sales are growing rapidly and fierce competition is the order of the day. Therefore, retailers want to create experiences that will attract customers to their stores. The SM500T adds atmosphere to your store by introducing contrast and breaking up the traditional continuous light-lines. A variety of beam shapes combined with excellent light quality ensures the merchandise stands out, whilst at the same time enabling you to create your chosen ambience. The SM500T is equipped with power-track connectors. These make it easy to install and to replace or upgrade when re-using existing track. And if your needs change, you can simply adapt the lighting by repositioning the fixtures along the track. This makes the SM500T a truly flexible tool for setting the ambience.

### Benefits

- Always your choice of illumination and ambience thanks to the variety of optics
- Thin-design track fixture enables use of power-track systems for low ceilings
- Energy savings as a result of best-in-class lighting performance

### Features

- Sparkling, high-quality white LED light
- Wide variety of optics
- Fixture directly aligned when installed, no adjustment needed
- Projectors can easily be added to create accent lighting
- Uses standard adaptors

### Application

- General and aisle lighting for food retail and big-box stores

### Specifications

Type	SM500T	Light source	Non-replaceable LED module
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# SM500T

<b>Power</b>	58–61 W
<b>Beam angle</b>	2 x 20°
	2 x 35°
	100, 115 or 130°
<b>Luminous flux</b>	7900 lm
<b>Correlated Color</b>	3000 or 4000 K
<b>Temperature</b>	
<b>Color Rendering Index</b>	> 80
<b>Median useful life</b>	70,000 hours
<b>L70B50</b>	
<b>Median useful life</b>	50,000 hours
<b>L80B50</b>	
<b>Median useful life</b>	25,000 hours
<b>L90B50</b>	
<b>Driver failure rate</b>	1% per 5000 hours

<b>Average ambient temperature</b>	+25 °C
<b>Operating temperature range</b>	+10 to +35 °C
<b>Driver</b>	Built-in
<b>Mains voltage</b>	230 or 240 V / 50–60 Hz
<b>Dimming</b>	DALI dimmable
<b>Material</b>	Housing with integrated driver box: lacquered steel
	Lens plate: PMMA
<b>Color</b>	Black (RAL9005)
	Grey (RAL9006)
<b>Connection</b>	Track connection: GA100 or GAC600
<b>Maintenance</b>	Sealed for life, no internal cleaning required
<b>Installation</b>	On 3-circuit track

## Versions



SM500T track luminaire with double asymmetric optic



SM500T track luminaire with double asymmetric wide beam optic



SM500T track luminaire with wide beam optic

# SM500T

## Product details

SM500T BK Detail photo 03



SM500T BK Detail photo 13



SM500T WB\_VWB\_DA20\_DA35  
Detail photo 07



SM500T WB\_VWB DA20 DA35  
Detail photo 17



SM500T DA20-WB Detail photo  
05



SM500T DA20-WB Detail photo 15



SM500T GR Detail photo 01



SM500T GR Detail photo 10



# SM500T

## Application Conditions

Ambient temperature range	+10 to +35 °C
Suitable for random switching	No

## Approval and Application

Mech. impact protection code	IK02
Ingress protection code	IP20

## Operating and Electrical

Input Voltage	220-240 V
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## General Information

Beam angle of light source	- °
Cap-Base	-
CE mark	CE mark
Protection class IEC	Safety class I
Optical cover/lens type	Polymethyl methacrylate bowl/cover
Driver included	Yes
ENEC mark	ENEC plus mark
Flammability mark	For mounting on normally flammable surfaces
Glow-wire test	Temperature 650 °C, duration 30 s
Lamp family code	LED79S
Light source replaceable	No
Number of gear units	1 unit
Number of light sources	1 pc
Product Family Code	SM500T
UL mark	-

## Initial Performance (IEC Compliant)

Init. Color Rendering Index	≥80
Initial luminous flux	7900 lm
Luminous flux tolerance	+/-10%

## Mechanical and Housing

Geometry	-
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## Application Conditions

Order Code	Full Product Name	Maximum dim level
910504096603	SM500T LED79S/830 PSD DA20 BK	1%
910504096703	SM500T LED79S/830 PSD WB BK	1%
910504096803	SM500T LED79S/840 PSU DA20-WB GR	-
910504096903	SM500T LED79S/840 PSU WB GR	-
910504097003	SM500T LED79S/830 PSU DA35 GR	-
910504097103	SM500T LED79S/830 PSU VWB GR	-

## Controls and Dimming

Order Code	Full Product Name	Dimmable	Order Code	Full Product Name	Dimmable
910504096603	SM500T LED79S/830 PSD DA20 BK	Yes	910504096903	SM500T LED79S/840 PSU WB GR	No
910504096703	SM500T LED79S/830 PSD WB BK	Yes	910504097003	SM500T LED79S/830 PSU DA35 GR	No
910504096803	SM500T LED79S/840 PSU DA20-WB GR	No	910504097103	SM500T LED79S/830 PSU VWB GR	No

## General Information

# SM500T

Order Code	Full Product Name	Optic type
910504096603	SM500T LED79S/830 PSD DA20 BK	Double asymmetric optic 20°
910504096703	SM500T LED79S/830 PSD WB BK	Wide beam
910504096803	SM500T LED79S/840 PSU DA20-WB GR	Double asymmetric optic 20° wide beam

Order Code	Full Product Name	Optic type
910504096903	SM500T LED79S/840 PSU WB GR	Wide beam
910504097003	SM500T LED79S/830 PSU DA35 GR	Double asymmetric optic 35°
910504097103	SM500T LED79S/830 PSU VWB GR	Very wide beam

## Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Color Temperature	Initial LED luminaire efficacy	Initial input power
910504096603	SM500T LED79S/830 PSD DA20 BK	(0.43, 0.40)	3000 K	149 lm/W	53 W
910504096703	SM500T LED79S/830 PSD WB BK	(0.43, 0.40)	3000 K	149 lm/W	53 W
910504096803	SM500T LED79S/840 PSU DA20-WB GR	(0.38, 0.38)	4000 K	160 lm/W	49.5 W

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Color Temperature	Initial LED luminaire efficacy	Initial input power
910504096903	SM500T LED79S/840 PSU WB GR	(0.38, 0.38)	4000 K	160 lm/W	49.5 W
910504097003	SM500T LED79S/830 PSU DA35 GR	(0.43, 0.40)	3000 K	149 lm/W	53 W
910504097103	SM500T LED79S/830 PSU VWB GR	(0.43, 0.40)	3000 K	149 lm/W	53 W

## Mechanical and Housing

Order Code	Full Product Name	Color
910504096603	SM500T LED79S/830 PSD DA20 BK	Black
910504096703	SM500T LED79S/830 PSD WB BK	Black
910504096803	SM500T LED79S/840 PSU DA20-WB GR	Gray

Order Code	Full Product Name	Color
910504096903	SM500T LED79S/840 PSU WB GR	Gray
910504097003	SM500T LED79S/830 PSU DA35 GR	Gray
910504097103	SM500T LED79S/830 PSU VWB GR	Gray

