StoreSet Evo: Sustainable lighting for the stores of the future

StoreSet Evo

StoreSet Evo combines slim, contemporary design and uniform light distribution, with a wide range of OptiSuit optics to meet various applications. This system meets our strict Lighting for Circularity criteria, creating a pleasant in-store ambience while contributing to your sustainability goals. StoreSet Evo can be used across a wide range of retail applications: can be easily connected to power tracks, Maxos fusion backbone or recessed ceilings.

Benefits
- Appealing look and feel: StoreSet evo's slim and contemporary design blends unobtrusively into your store's layout
- Ease of installation: One-point central track suspension with rotation offers you complete flexibility when installing, repositioning, and maintaining your luminaires
- Future-proof application: Its modular components, drivers and light engines, are designed for easy maintenance and replacement to extend product life

Features
- Slim and contemporary design blends seamlessly into store interiors
- Outstanding light quality with best-in-class efficiency
- Wide range of OptiSuit optics to meet various applications
- Provides uniform lighting distribution while saving energy
- Easy maintenance with fast and toolless driver access
- Meets Lighting for Circularity criteria

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Application
· Food and Large Retailers
· Supermarkets and hypermarkets

Warnings and Safety
· The canopy and optical surfaces must only ever be cleaned with a lint-free cloth and without detergents. During maintenance,
 the product must be switched off and cooled down.

Specifications

Type	SM515T: StoreSet Evo track mounted	**Luminous flux**	66S: 6600lm system flux
	SM515S: StoreSet Evo trunking mounted		80S: 8000lm system flux
	RC516B: StoreSet Evo recessed mounted, 600mm module		90S: 9000lm system flux
	RC517B: StoreSet Evo recessed mounted, 625mm module	**Luminaire efficacy**	66S/830: 134 lm/W
Mounting type	mounting: Track / Trunking / Recessed mounted		66S/830 HE: 153 lm/W
Ceiling type	RC516B, RC517B: exposed T-bar ceilings		66S/830 XA: 153 lm/W
Ceiling grid	RC516B: module size in length: 600mm		66S/840: 143 lm/W
	RC517B: module size in length: 625mm		66S/840 HE: 163 lm/W
Operating Temperature range	+10 to +40 ºC		66S/840 XA: 180 lm/W
			80S/830: 126 lm/W
Light Source	LED module		80S/830 HE: 153 lm/W
Mains Voltage	230-240V / 50-60Hz		80S/830 XA: 166 lm/W
Mains connection	SM515T: direct via 3C track adaptor		80S/840: 139 lm/W
	SM515S: via WAGO connector		80S/840 HE: 160 lm/W
	RC516B, RC517B: via GST18/3 M Wieland connector		80S/840 XA: 177 lm/W
Connector	SM515T: 3C track adaptor for 3-phase tracks		90S/830: 124 lm/W
	SM515S: WAGO connector for trunkings		90S/830 HE: 150 lm/W
	RC516B, RC517B: Wieland 3 for mains, BST14 for DALI signal		90S/830 XA: 163 lm/W
Dimming	PSU: non-dimmable		90S/840: 137 lm/W
	DIA-VLC: Dimmable via Dali, compatible with Interact Retail, Visible Light Communication enabled		90S/840 HE: 160 lm/W
			90S/840 XA: 173 lm/W
	WIA: Wireless control, compatible with Interact Retail	**Correlated color temperature – CCT**	830, 930, PW930: 3000K
Suitable for randomg switching	Yes		PW935: 3500K
			840, 940: 4000K
Material	SM515T, SM515S, RC516B and RC517B: ABS	**Color Rendering index – CRI**	830, 840: >80930, 940, PW930, PW935: >90
Main color of the luminaire	WH (White): RAL 9003		
	BK (Black): RAL9004	**Risk Group**	RG1
	SI (Silver grey): RAL9006	**Beam angle**	WB: Wide beam
Lumen maintenance at median useful life 50.000h	L90		MB: Medium beam
			DA25N: Double asymmetric optic 25° narrow beam
			DA25W: Double asymmetric optic 25° wide beam
Lumen maintenance at median useful life 100.000h	L80		DA35W: Double asymmetric optic 35° wide beam
			DA45W: Double asymmetric optic 45° wide beam
			A20: Asymmetric 20° beam
Control gear failure rate at median useful life 50.000h	5%	**Optical cover/lens material**	Polycarbonate
Control gear failure rate at median useful life 100.000h	10%	**Protection Class IEC61140**	Safety class I
		Mechanical impact protection	IK02
Flicker / Pst / SVM	<4% / 1 / 1.6	**Ingress protection**	IP20

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Light source replaceable	No
Driver replaceable	Yes
Overall height	84mm
Overall length	575mm
Overall width	196mm
UGR	22

Installation	SM515T: on 3-circuit tracks
	SM515S: on Maxos fusion trunks
	RC516B: exposed T-bar ceilings with 600mm modules
	RC517B: exposed T-bar ceilings with 625mm modules
Warranty	5 years
Sustainability rating	Lighting for circularity

Dimensional drawing
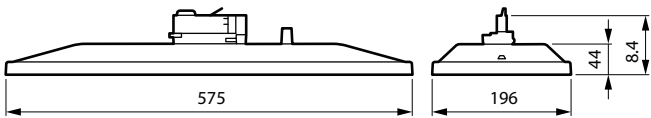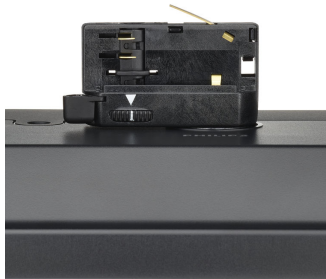
575   196   44   8.4

Product details

Storeset Evo track-mounted, SM515T black

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General Information

Driver included	Yes
Number of gear units	1 unit
Service tag	Yes

Light Technical

Beam angle of light source	120 degree(s)
Correlated Color Temperature (Nom)	4000 K
Color rendering index (CRI)	>80
Luminous Efficacy (rated) (Nom)	137 lm/W
Luminous Flux	9,200 lm

Operating and Electrical

Protection class IEC	Safety class I
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Power Consumption	67 W
Suitable for random switching	Yes

Controls and Dimming

Dimmable	No
Maximum dim level	Not applicable

Mechanical and Housing

Housing Color	Black
Mech. impact protection code	IK02
Ingress protection code	IP20

Emergency Operation

Central Emergency	No

Approval and Application

Ambient temperature range	+10 to +40 °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
Flickering value (PstLM) – Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.4

Initial Performance (IEC Compliant)

Initial chromaticity	(0.38, 0.38) SDCM<3
Luminous flux tolerance	+/-10%

Product Data

Product family code	SM515T

Light Technical

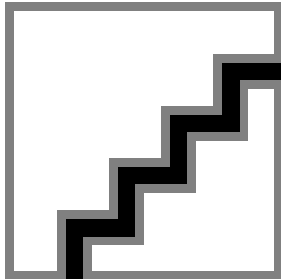| Order Code	Full Product Name	Optic type
58768700	SM515T 90S/840 PSU A20 BK	Asymmetrical mirror axis angle 20°
58772400	SM515T 90S/840 PSU DA25N BK	Double asymmetric optic 25° narrow beam
58780900	SM515T 90S/840 PSU WB BK	Wide beam

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Polar Wide Diagrams
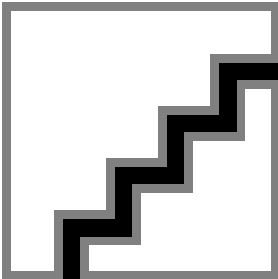
Polar Normal (separate) – SM515TI – 910505102725
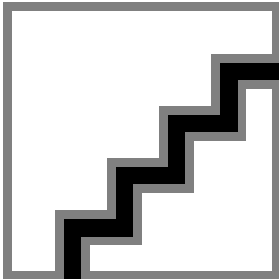
Polar Normal (separate) – SM515TI – 910505102721

Polar Normal (separate) – SM515TI – 910505102719

www.lighting.philips.com

2026, January 23 – data subject to change