

ST761T 49S/PW935 DIA BK

910505102520



StoreFlow, Track flood (single), 38.5 W, 4800 lm, PremiumWhite, 3500 K, CRI>90, DALI, Interact Ready, Assymetric Beam angle, Black

Track flood (single), Aluminum, Black, Dali dimming Interact System ready, 4800 lm, 38.5 W, 125 lm/W, PremiumWhite, 3500 K, (0.398,0.376)<2, CRI>90, Assymetric Beam angle, IP20 | Finger-protected, IK02 | 0.2 J standard, Safety class II, 3C Track

Warnings and Safety

- Cleaning of the optic should only be done with pressurized air. Touching the LED or reflector is forbidden.
- During maintenance, the product must be switched off and cooled down
- The product must be installed out of arm's reach. Manipulating the product when hot is only possible with an insulated glove
- With regards to damage factor, LED luminaires offer an improvement over conventional light sources, but may still cause color fading because even with no IR or UV in the light beam, light itself is a source of energy. To minimize the risk, avoid light levels over 1000 lx.
- ST761T Storeflow with 1 spotlight should always be installed in line with the track if a suspension wire is used. Installation under an angle is only allowed on a track with rigid suspension to avoid tilting the track

General Information

Light source replaceable	No
Number of gear units	1 unit
Driver included	Yes
Service tag	Yes
Lighting Technology	LED
Value ladder	Performance
Warranty period	5 years

Light Technical

Luminous Flux	4,800 lm
Correlated Color Temperature (Nom)	3500 K
Luminous Efficacy (rated) (Nom)	125 lm/W
Color rendering index (CRI)	>90
Beam angle of light source	120 degree(s)
Light source color	PremiumWhite with CRI ≥90 and color temperature 3500K
Optic type	Assymetric Beam angle
Luminaire light beam spread	69° x 25°
Unified glare rating CEN	22

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	18 A
Inrush time	250 ms
Power Consumption	38.5 W
Power Factor (Fraction)	0.9
Connection	3C Track
Cable	-
Number of products on MCB of 16 A type B	34
Suitable for random switching	No
Protection class IEC	Safety class II
Total harmonic distortion	20 %

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Dali dimming Interact System ready
Control interface	DALI
Constant light output	No
DALI Standard	DALI-2™ with extended data: Parts 251/252/253
Maximum dim level	1%
Connectivity	Interact Ready

Mechanical and Housing

Housing Material	Aluminum
Reflector material	Polycarbonate aluminum coated
Optic material	Aluminum and polycarbonate
Optical cover material	-
Fixation material	-
Housing Color	Black
Optical cover finish	-
Overall length	132 mm
Overall width	104 mm
Overall height	229 mm
Overall diameter	0 mm
Dimensions (Height x Width x Depth)	229 x 104 x 132 mm
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Net Weight (Piece)	0.800 kg

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
Photobiological risk	Photobiological risk group 1 @200mm to EN62778
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.5
Ambient temperature range	+10 to +35 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.398,0.376)<2
Power consumption tolerance	+/-10%
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤2

Over Time Performance (IEC Compliant)

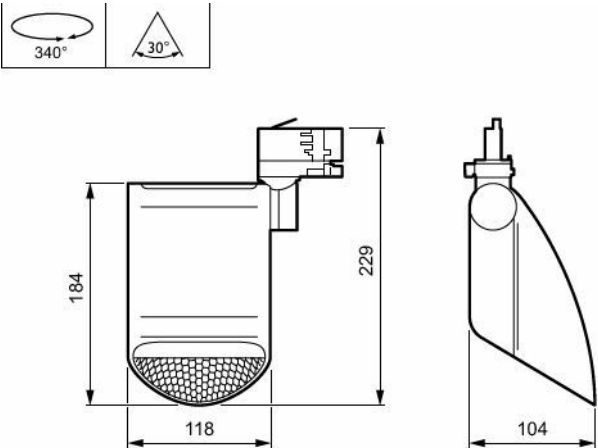
Control gear failure rate at median useful life 50000 h	10 %
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L90

Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L80
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Sustainability Data

Sustainability rating	Signify Circle
Repair class	Repair Class B, the driver and light source of this luminaire can be replaced by a service technician. Parts and documentation are available for an extended period of time.
Embedded carbon (A1-A3)	16.7 kg CO ₂ e
Product non-virgin material ratio	6.81 %

Dimensional drawing

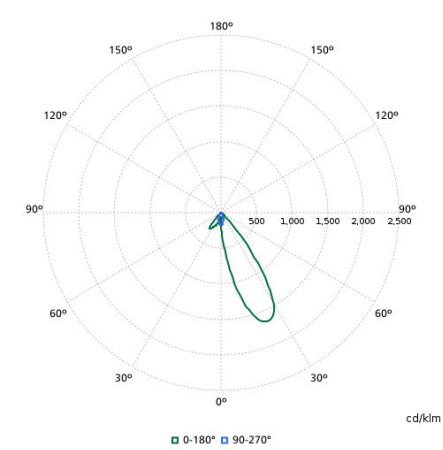


Recyclable content ratio of the finished product	57 %
GWP total B6 (kg CO ₂ eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO ₂ eq / kwh)
GWP total B6 (kg CO ₂ eq) Functional Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) /lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO ₂ eq / kwh)
Non-virgin material ratio of the packaging	Cardboard > 80% recycled
Packaging Recyclable content ratio	Cardboard recycling rate > 80%
Packaging Material	Cardboard

Product Data

Order product name	ST761T 49S/PW935 DIA BK
Full product name	ST761T 49S/PW935 DIA BK
Full product code	872016901158800
Order code	910505102520
Material Nr. (12NC)	910505102520
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169011588
Numerator - Packs per outer box	1
EAN/UPC - Case	8720169011588
Product family code	ST761T [StoreFlow Single]

Polar normal diagrams



Related Documents

Documents and certificates	Document Name	Download
Installation Instructions	StoreFlow MI 444316026981 ver4.pdf	Download
Photometry and lighting design	Document Name	Download
LDT File	LDT File - ST760TI - 910505102520.ldt	Download
ROLF File	ROLF File - ST760TI - 910505102520.rolfz	Download
ULD File	ULD File - ST760TI - 910505102520.uld	Download
Revit file	Revit file - ST760TI - 910505102520.zip	Download

