



StoreFlow

ST762T 49S/PW935 DIA BK

StoreFlow, Track flood (double), 77 W, 9600 lm, PremiumWhite, 3500 K, CRI>90, DALI, Interact Ready, Double asymmetric optic, Black

Philips StoreFlow is designed to provide the optimal light effect for shelf lighting or aisle lighting, so retailers can create an appealing ambience in store. The organic, natural design of the luminaire blends easily into the store environment, while the indirect PerfectAccent optics avoid glare and support a highly energy-efficient lighting installation. StoreFlow shelf lighting is made using bio-based plastics and offers easy serviceability of the LED, driver and optic, resulting in a low carbon footprint and meets the requirements of a Circular product. This high contrast lighting is available with a single-spot head (ST761T) that's ideal for the peripheral areas of the store, or as a double-spot head (ST762T) version, which is perfect for aisle lighting.

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 spothead 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

Product data

General Information		Number of gear units	2 units
Light source replaceable	No	Driver included	Yes

Service tag	Yes
Lighting Technology	LED
Value ladder	Performance
Serviceability class	Class A, luminaire is equipped with serviceable parts (when applicable): LED board, driver, control units, surge protection device, optics, front cover and mechanical parts
Warranty period	5 years
Sustainability rating	Signify Circle

Light Technical

Luminous Flux	9,600 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	Double asymmetric optic
Luminaire light beam spread	70° x 37°
Unified glare rating CEN	22

Sustainability Data

Product non-virgin material ratio	26.1 %
GWP total B6 (kg CO2eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO2eq / kwh)
GWP total B6 (kg CO2eq) 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 CO2 eq / kwh)

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	77 W
Power Factor (Fraction)	0.9
Connection	3C Track
Cable	-
Number of products on MCB of 16 A type B	17
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	D4i™ DALI-2™
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	250 mm
Overall width	169 mm
Overall height	229 mm
Overall diameter	0 mm
Dimensions (Height x Width x Depth)	229 x 169 x 250 mm
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Net Weight (Piece)	1.600 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 L90
median useful life* 50000 h

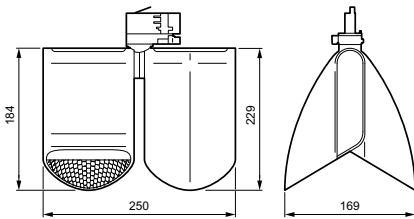
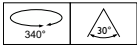
Lumen maintenance (EN-IEC 62722-2-1) at L80
median useful life* 100000 h

Product Data

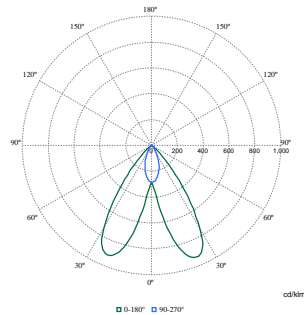
Order product name	ST762T 49S/PW935 DIA BK
Full product name	ST762T 49S/PW935 DIA BK
Full product code	872016901175500

Order code	910505102537
Material Nr. (12NC)	910505102537
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169011755
Numerator - Packs per outer box	1
EAN/UPC - Case	8720169011755
Product family code	ST762T [StoreFlow Double]

Dimensional drawing



Photometric data



Polar Normal (separate) - ST760TI - 910505102537

