

## ST761T 49S/PW930 DIA BK

910505102414



## StoreFlow, Track flood (single), 38.5 W, 4700 lm, PremiumWhite, 3000 K, CRI>90, DALI, Interact Ready, Assymetric Beam angle, Black

Track flood (single), Aluminum, Black, Dali dimming Interact System ready, 4700 lm, 38.5 W, 123 lm/W, PremiumWhite, 3000 K, (0.422,0.386)<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                      | 4,700 lm                                              |
| Correlated Color Temperature (Nom) | 3000 K                                                |
| Luminous Efficacy (rated) (Nom)    | 123 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 3000K |
| 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                                   | (0.422,0.386)<2 |
| Power consumption tolerance                            | +/-10%          |
| Standard Deviation of Colour Matching (McAdam ellipse) | SDCM≤2          |

Over Time Performance (IEC Compliant)

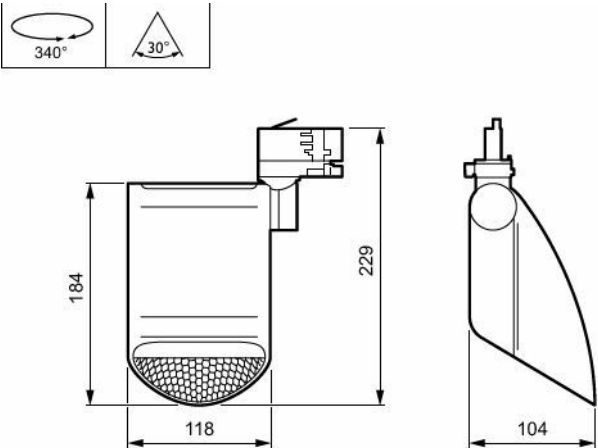
|                                                                     |      |
|---------------------------------------------------------------------|------|
| Control gear failure rate at median useful life 50000 h             | 10 % |
| Control gear failure rate at median useful life 100000 h            | 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 |
|----------------------------------------------------------------------|-----|

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 <sub>2</sub> e                                                                                                                                                    |
| Product non-virgin material ratio | 6.81 %                                                                                                                                                                       |

Dimensional drawing

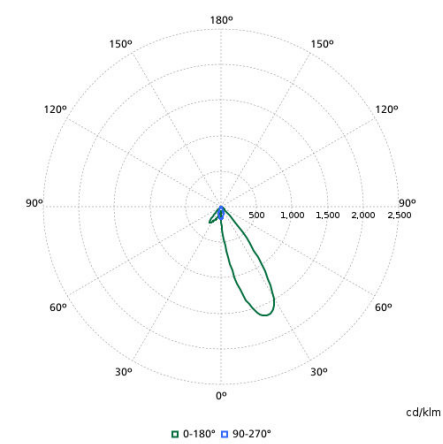


|                                                      |                                                                                                                                                                                    |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Recyclable content ratio of the finished product     | 57 %                                                                                                                                                                               |
| GWP total B6 (kg CO <sub>2</sub> eq) Declared Unit   | Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO <sub>2</sub> eq / kwh)                         |
| GWP total B6 (kg CO <sub>2</sub> 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 <sub>2</sub> 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/PW930 DIA BK   |
| Full product name               | ST761T 49S/PW930 DIA BK   |
| Full product code               | 872016901433600           |
| Order code                      | 910505102414              |
| Material Nr. (12NC)             | 910505102414              |
| Numerator - Quantity Per Pack   | 1                         |
| EAN/UPC - Product/Case          | 8720169014336             |
| Numerator - Packs per outer box | 1                         |
| EAN/UPC - Case                  | 8720169014336             |
| Product family code             | ST761T [StoreFlow Single] |

Polar normal diagrams



Related Documents

|                                |                                          |                          |
|--------------------------------|------------------------------------------|--------------------------|
| Documents and certificates     | Document Name                            | Download                 |
| Installation Instructions      | StoreFlow MI 444316026981 ver4.pdf       | <a href="#">Download</a> |
| Photometry and lighting design | Document Name                            | Download                 |
| LDT File                       | LDT File - ST760TI - 910505102414.ldt    | <a href="#">Download</a> |
| ROLF File                      | ROLF File - ST760TI - 910505102414.rolfz | <a href="#">Download</a> |
| ULD File                       | ULD File - ST760TI - 910505102414.uld    | <a href="#">Download</a> |
| Revit file                     | Revit file - ST760TI - 910505102414.zip  | <a href="#">Download</a> |

