# StyliD Evo

## ST770T 49S/PW930 DIA-VLC VWB FG WH

StyliD Evo Compact, 40 W, Power supply unit with DALI interface, Visual Light Communication (VLC) ready (integrated), Very wide beam, 60°

With StyliD Evo, retailers can enjoy the superior quality of light and market-leading energy efficiency of PerfectAccent optics in a series of flexible and future-proof projectors. StyliD Evo projectors are easy to reconfigure with quick and easy optic upgrades that require no tools. They also support frequent changes in store layouts, as the StyliD Evo projector can be easily repositioned on the track or Maxos fusion backbone. Covering a wide range of lighting applications, from lower light levels in convenience formats to high-ceiling installations where very high light output is required, StyliD offers continuity for every retail concept. StyliD Evo can be mounted on 3C or DALI track (ST770T, ST780T), on Maxos fusion (ST770S, ST780S, ST770X), or into the ceiling with a semi-recessed version (ST770B). All StyliD Evo projectors with PerfectAccent reflectors are certified as a circular lighting product and offer multiple system integration and dimming options, including wired as well as wireless. For prolonged shelf life and better visual representation of food, reducing food waste and increasing sales, fresh food LED lighting recipes are available. Check out our Fashion and Food catalog pages to find out more about PremiumWhite, PremiumColor, Fresh Meat, Rosé, Frost and Champagne.

**Warnings and Safety**
- All photometrical data is calculated without optional front glass. Flux should be reduced by 3.5% when using a front glass
- Cleaning of the optic should only be done with pressurized air. Touching the LED or reflector is forbidden. For food preparation areas and areas with high levels of dust, the use of the optional front glass is strongly advised, as it can be cleaned with a (dry) microfiber cloth.
- 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

**Product data**

# StyliD Evo

## General Information

| | |
|---|---|
| Lighting Technology | LED |
| Driver included | Yes |
| Number of gear units | 1 unit |
| Value ladder | Specification |
| Product family code | ST770T [StyliD Evo Compact] |
| Light source replaceable | No |

## Light Technical

| | |
|---|---|
| Luminous Flux | 4,500 lumen |
| Saturated Red (R9) | >50 |
| Correlated Color Temperature (Nom) | 3000 K |
| Luminous Efficacy (rated) (Nom) | 113 lm/W |
| Color rendering index (CRI) | ≥90 |
| Beam angle of light source | 120 degree(s) |
| Light source color | Premium white with CRI ≥90 |
| Optic type | Very wide beam |
| Luminaire light beam spread | 60° |
| Unified glare rating CEN | Not applicable |

## Operating and Electrical

| | |
|---|---|
| Input Voltage | 220 to 240 V |
| Line Frequency | 50 to 60 Hz |
| Input Frequency | 50 to 60 Hz |
| Initial CLO power consumption | – W W |
| Average CLO power consumption | – W |
| Inrush current | 24.9 A |
| Inrush time | 186 ms |
| Power Consumption | 40 W |
| Power Factor (Fraction) | 0.9 |
| Connection | Track |
| Cable | – |
| Number of products on MCB of 16 A type B | 27 |

## Temperature

| | |
|---|---|
| Ambient temperature range | +10 to +25 °C |

## Controls and Dimming

| | |
|---|---|
| Dimmable | Yes |
| Driver/power unit/transformer | Power supply unit with DALI interface, Visual Light Communication (VLC) ready (integrated) |
| Control interface | DALI |
| Constant light output | No |

## Mechanical and Housing

| | |
|---|---|
| Housing Material | Aluminum extruded |
| Reflector material | Polycarbonate aluminum coated |
| Optic material | Polycarbonate |
| Optical cover/lens material | Tempered glass |

| | |
|---|---|
| Fixation material | – |
| Housing Color | White RAL 9003 |
| Optical cover/lens finish | Clear |
| Overall length | 210 mm |
| Overall width | 90 mm |
| Overall height | 275 mm |
| Dimensions (Height x Width x Depth) | 275 x 90 x 210 mm |

## Approval and Application

| | |
|---|---|
| Ingress protection code | IP20 [Finger-protected] |
| Mech. impact protection code | IK02 [0.2 J standard] |
| Sustainability rating | – |
| Protection class IEC | Safety class II |
| Glow-wire test | Temperature 650 °C, duration 30 s |
| Flammability mark | For mounting on normally flammable surfaces |
| CE mark | Yes |
| ENEC mark | ENEC mark |
| Warranty period | 5 years |
| EU RoHS compliant | Yes |

## Initial Performance (IEC Compliant)

| | |
|---|---|
| Luminous flux tolerance | +/-10% |
| Initial chromaticity | (0.422, 0.386) SDCM <2 |
| Power consumption tolerance | +/-10% |

## Over Time Performance (IEC Compliant)

| | |
|---|---|
| Control gear failure rate at median useful life 50000 h | 5 % |
| Lumen maintenance at median useful life* 50000 h | L80 |

## Application Conditions

| | |
|---|---|
| Performance ambient temperature Tq | 25 °C |
| Maximum dim level | Not applicable |
| Suitable for random switching | Yes |

## Product Data

| | |
|---|---|
| Full product code | 871869997723800 |
| Order product name | ST770T 49S/PW930 DIA-VLC VWB FG WH |
| Order code | 910505101409 |
| Numerator – Quantity Per Pack | 1 |
| Numerator – Packs per outer box | 1 |
| Material number (12NC) | 910505101409 |
| Full product name | ST770T 49S/PW930 DIA-VLC VWB FG WH |
| EAN/UPC – Case | 8718699977238 |

# StyliD Evo

**Dimensional drawing**

www.lighting.philips.com

2023, June 30 – data subject to change