



TrueFashion

ST712T LED27S/PW9-3000 PSU FR24 BK

TrueFashion Compact Drv. In Track, Premium white with CRI ≥ 90 , 3000 K, Power supply unit (On/Off), Beam angle 24°, Black

TrueFashion is the LED projector family catering to the miniaturisation and presentation needs of specialised retailers. Firstly, these miniaturised spots, with clean and fine detailing, offer contemporary design and blend seamlessly into your shop's interior for a tailor-made look. Secondly, it provides high-quality accentuation effect thanks to its innovative OptiAccent lens technology (FPO), which provides higher central intensity beam without spill light to maximise the contrast ratio hence optimising the accent effect. Especially in challenging narrow spot (12D) and spot (18D) applications, the difference of OptiAccent to Chip on Board and reflector optics is like day and night. OptiAccent also reduces direct glare by a factor of 5 to enable superior visual comfort. Lastly, TrueFashion also takes care of the light spectra: the specially designed Philips LED flavours enhance colours (saturation) and whites, while offering high degree of fidelity ($> \text{CRI}90$). This is how TrueFashion ensures a superior light experience in your retail applications.

Warnings and Safety

- The luminaire should be mounted outside of arm's reach
- The luminaire should be installed and disassembled by a qualified electrician and wired in accordance with the latest IEE electrical regulations or the national requirements

Product data

| General Information | | luminaires – January 2018': statistically there is no relevant difference in lumen maintenance between the B50 and, for example, the B10. Therefore, the median useful life (B50) value also represents the B10 value. |
|--------------------------|---|--|
| Light source replaceable | No | |
| Number of gear units | Unit | |
| Driver included | Yes | |
| Remarks | *- According to the Lighting Europe guidance paper 'Evaluating performance of LED based | |

| | |
|---------------------|--|
| Product family code | ST712T [TrueFashion Compact Drv. In Track] |
| Lighting Technology | LED |
| Value ladder | Specification |
| CE mark | Yes |
| Warranty period | 5 years |
| Flammability mark | - |
| ENEC mark | ENEC mark |
| Glow-wire test | Temperature 650 °C, duration 30 s |
| EU RoHS compliant | Yes |

Light Technical

| | |
|----------------------------------|----------------------------|
| Luminous Flux | 2,400 lm |
| Correlated Colour Temperature | 3000 K |
| Luminous efficacy (rated) (nom.) | 86 lm/W |
| Colour rendering index (CRI) | 90 |
| Beam angle of light source | 120 degree(s) |
| Light source colour | Premium white with CRI ≥90 |
| Optic type | Beam angle 24° |
| Luminaire light beam spread | 24° |
| Unified Glare Rating (CEN) | Not applicable |

Operating and Electrical

| | |
|-------------------------|-----------------------------------|
| Input Voltage | 220 to 240 V |
| Line Frequency | 50 to 60 Hz |
| Inrush current | 5 A |
| Inrush time | 0.05 ms |
| Power Consumption | 28 W |
| Power Factor (Fraction) | 0.9 |
| Connection | Push-in connector and pull relief |
| Cable | - |

Number of products on MCB of 16 A type 34

B

Temperature

| | |
|---------------------------|---------------|
| Ambient temperature range | +10 to +40 °C |
|---------------------------|---------------|

Controls and Dimming

| | |
|-------------------------------|----------------------------|
| Dimmable | No |
| Driver/power unit/transformer | Power supply unit (On/Off) |
| Constant light output | No |

Mechanical and Housing

| | |
|------------------|-----------|
| Housing material | Aluminium |
|------------------|-----------|

| | |
|-------------------------------------|-----------------------------|
| Reflector material | Aluminium and polycarbonate |
| Optic material | Polycarbonate |
| Optical cover/lens material | Polymethyl methacrylate |
| Fixation material | - |
| Housing Colour | Black |
| Optical cover/lens finish | Clear |
| Overall length | 162 mm |
| Overall width | 80 mm |
| Overall height | 168 mm |
| Dimensions (height x width x depth) | 168 x 80 x 162 mm |

Approval and Application

| | |
|------------------------------|-------------------------|
| Ingress protection code | IP20 [Finger-protected] |
| Mech. impact protection code | IK02 [0.2 J standard] |
| Protection class IEC | Safety class II |

Initial Performance (IEC Compliant)

| | |
|-----------------------------|----------------------|
| Luminous flux tolerance | +/-10% |
| Initial chromaticity | (0.42, 0.38) SDCM <3 |
| Power consumption tolerance | +/-10% |

Over Time Performance (IEC Compliant)

| | |
|--|-----|
| Control gear failure rate at median useful life 50,000 h | 5 % |
| Lumen maintenance at median useful life* 50,000 h | L80 |

Application Conditions

| | |
|------------------------------------|-------|
| Performance ambient temperature Tq | 25 °C |
| Suitable for random switching | Yes |

Product Data

| | |
|-----------------------------------|------------------------------------|
| Order product name | ST712T LED27S/PW9-3000 PSU FR24 BK |
| Full product name | ST712T LED27S/PW9-3000 PSU FR24 BK |
| Full EOC | 871869939906100 |
| Order code | 39906100 |
| Material no. (12 NC) | 910500465298 |
| SAP numerator – quantity per pack | 1 |
| EAN/UPC – Product/Case | 8718699399061 |
| Numerator – packs per outer box | 1 |
| EAN/UPC - Case | 8718699399061 |

Dimensional drawing

