



TrueFashion

ST712T LED20S/PW9-3500 PSU FR12 BK

TrueFashion Compact Drv. In Track, Premium white with CRI ≥90, 3500 K, Power supply unit (On/Off), Beam angle 12°, Black

TrueFashion is the LED projector family answering miniaturization and presentation needs of specialized retailers. Firstly, these miniaturized spots with clean and fine detailing offer contemporary design and blend seamlessly into your store 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 maximize the contrast ratio hence optimize 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 has the light spectra taken care of: the specially designed Philips LED flavors enhance colors (saturation) and whites, while offering high degree of fidelity (>CRI90). 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 B50 and for example B10. Therefore, the median useful life (B50) value also represents the B10 value. |
|--------------------------|--|--|
| Light source replaceable | No | |
| Number of gear units | 1 unit | |
| Driver included | Yes | |
| Remarks | *-Per Lighting Europe guidance paper "Evaluating performance of LED based | |
| Service tag | | Yes |

| | |
|---------------------|--|
| 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 | 2,000 lm |
| Correlated Color Temperature (Nom) | 3500 K |
| Luminous Efficacy (rated) (Nom) | 75 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 | Beam angle 12° |
| Luminaire light beam spread | 12° |
| 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 | 26.5 W |
| Power Factor (Fraction) | 0.9 |
| Connection | Push-in connector and pull relief |
| Cable | - |

Number of products on MCB of 16 A type

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 | Aluminum |
|------------------|----------|

| | |
|-------------------------------------|-------------------------------|
| Reflector material | Polycarbonate aluminum coated |
| Optic material | Polycarbonate |
| Optical cover material | Polymethyl methacrylate |
| Fixation material | - |
| Housing Color | Black |
| Optical cover 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 | (0.39, 0.37) SDCM <3 |
| 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 |
| Suitable for random switching | Yes |

Product Data

| | |
|---------------------------------|------------------------------------|
| Order product name | ST712T LED20S/PW9-3500 PSU FR12 BK |
| Full product name | ST712T LED20S/PW9-3500 PSU FR12 BK |
| Full product code | 871869939910800 |
| Order code | 910500465303 |
| Material Nr. (12NC) | 910500465303 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8718699399108 |
| Numerator - Packs per outer box | 1 |
| EAN/UPC - Case | 8718699399108 |

Dimensional drawing

