# TrueFashion

## ST710T LED20S/830 PSU FR12 WH

TrueFashion Compact, 830 warm white, 3000 K, Power supply unit (On/Off), Beam angle 12°, White

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 (<gt/>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 | |
|---|---|
| Light source replaceable | No |
| Number of gear units | 1 unit |
| Driver included | Yes |
| Remarks | *-Per Lighting Europe guidance paper "Evaluating performance of LED based |

| | |
|---|---|
| | 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. |
| Service tag | Yes |

# TrueFashion

| | | | | |
|---|---|---|---|---|
| Product family code | ST710T [TrueFashion Compact] | | Optic material | Polycarbonate |
| Lighting Technology | LED | | Optical cover material | Polymethyl methacrylate |
| Value ladder | Specification | | Fixation material | – |
| CE mark | Yes | | Housing Color | White |
| Warranty period | 5 years | | Optical cover finish | Clear |
| Flammability mark | – | | Overall length | 177 mm |
| ENEC mark | ENEC mark | | Overall width | 80 mm |
| Glow-wire test | Temperature 650 °C, duration 30 s | | Overall height | 188 mm |
| EU RoHS compliant | Yes | | Dimensions (Height x Width x Depth) | 188 x 80 x 177 mm |

## Light Technical

| | |
|---|---|
| Luminous Flux | 2,200 lm |
| Correlated Color Temperature (Nom) | 3000 K |
| Luminous Efficacy (rated) (Nom) | 85 lm/W |
| Color rendering index (CRI) | 80 |
| Beam angle of light source | 120 degree(s) |
| Light source color | 830 warm white |
| Optic type | Beam angle 12° |
| Luminaire light beam spread | 12° |

## Operating and Electrical

| | |
|---|---|
| Input Voltage | 220 to 240 V |
| Line Frequency | 50 to 60 Hz |
| Inrush current | 18 A |
| Inrush time | 0.25 ms |
| Power Consumption | 26 W |
| Power Factor (Fraction) | 0.9 |
| Connection | Push-in connector and pull relief |
| Cable | – |
| Number of products on MCB of 16 A type B | 34 |

## 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 |

## 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 | (0.43, 0.40) 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 | ST710T LED20S/830 PSU FR12 WH |
| Full product name | ST710T LED20S/830 PSU FR12 WH |
| Full product code | 871869939206200 |
| Order code | 910500465151 |
| Material Nr. (12NC) | 910500465151 |
| Numerator – Quantity Per Pack | 1 |
| EAN/UPC – Product/Case | 8718699392062 |
| Numerator – Packs per outer box | 1 |
| EAN/UPC – Case | 8718699392062 |

# TrueFashion

## Dimensional drawing

342°

100°

177

52

39

174 / 188

105

Ø 80

www.lighting.philips.com

2023, September 4 – data subject to change