



# TrueFashion

## ST712T LED27S/PW9-3000 PSU FR36 WH

TrueFashion Compact Drv. In Track, Premium white with CRI  $\geq 90$ , 3000 K, Power supply unit (On/Off), Beam angle 36°, 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 ( $> \text{CRI}90$ ). 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		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
Light source replaceable	No		
Number of gear units	1 unit		
Driver included	Yes		

	B10. Therefore, the median useful life (B50) value also represents the B10 value.
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	2,400 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	86 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 36°
Luminaire light beam spread	36°

#### 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 B	34

#### Temperature

Ambient temperature range	+10 to +40 °C
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#### Controls and Dimming

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

#### Mechanical and Housing

Housing Material	Aluminum
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Reflector material	Polycarbonate aluminum coated
Optic material	Polycarbonate
Optical cover material	Polymethyl methacrylate
Fixation material	-
Housing Color	White
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	(0.42, 0.38) 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 LED27S/PW9-3000 PSU FR36 WH
Full product name	ST712T LED27S/PW9-3000 PSU FR36 WH
Full product code	871869939908500
Order code	910500465301
Material Nr. (12NC)	910500465301
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699399085
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699399085

## Dimensional drawing

