



TrueFashion

ST712T LED20S/PC9 PSU FR12 BK

TrueFashion Compact Drv. In Track, Premium color with CRI ≥ 90 , 3000 K, Power supply unit, 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 ($> \text{CRI}90$). 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			
Light source replaceable	No	Lighting Technology	LED
Number of gear units	1 unit	Value ladder	Specification
Driver included	Yes	CE mark	Yes
Product family code	ST712T [TrueFashion Compact Drv. In Track]	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)	3000 K
Luminous Efficacy (rated) (Nom)	65 lm/W
Color rendering index (CRI)	90
Beam angle of light source	120 degree(s)
Light source color	Premium color with CRI ≥90
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	5 A
Inrush time	0.05 ms
Power Consumption	30.5 W
Power Factor (Fraction)	0.9
Connection	Push-in connector and pull relief
Cable	-
Number of products on MCB of 16 A type B	34

Temperature

Ambient temperature range	+50 to +104 °F
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Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit
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	6-3/8 inch
Overall width	3-3/16 inch
Overall height	6-5/8 inch
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)

Driver failure rate at 5000 h	1 %
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/PC9 PSU FR12 BK
Full product name	ST712T LED20S/PC9 PSU FR12 BK
Full product code	871869940636300
Local code description	ST712T LED20S/PC9 PSU FR12 BK
Order code	910500465502
Material Nr. (12NC)	910500465502
Local order code	.
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699406363
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699406363

Dimensional drawing

