TrueFashion

ST712T LED27S/PW9-3000 PSU FR60 WH

TrueFashion Compact Drv. In Track, Premium white with CRI ≥90, 3000 K, Power supply unit (On/Off), Beam angle 60°, White

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 (<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

TrueFashion

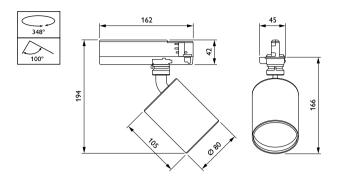|			
	B10. Therefore, the median useful life (B50) value also represents the B10 value.	Reflector material	Polycarbonate aluminum coated
Service tag	Yes	Optic material	Polycarbonate
Product family code	ST712T [TrueFashion Compact Drv. In Track]	Optical cover material	Polymethyl methacrylate
Lighting Technology	LED	Fixation material	–
Value ladder	Specification	Housing Color	White
CE mark	Yes	Optical cover finish	Clear
Warranty period	5 years	Overall length	162 mm
Flammability mark	–	Overall width	80 mm
ENEC mark	ENEC mark	Overall height	168 mm
Glow-wire test	Temperature 650 °C, duration 30 s	Dimensions (Height x Width x Depth)	168 x 80 x 162 mm
EU RoHS compliant	Yes		

Light Technical

Approval and Application

Light Technical		Approval and Application	
Luminous Flux	2,400 lm	Ingress protection code	IP20 [Finger-protected]
Correlated Color Temperature (Nom)	3000 K	Mech. impact protection code	IK02 [0.2 J standard]
Luminous Efficacy (rated) (Nom)	86 lm/W	Protection class IEC	Safety class II
Color rendering index (CRI)	90		
Beam angle of light source	120 degree(s)	**Initial Performance (IEC Compliant)**	
Light source color	Premium white with CRI ≥90	Luminous flux tolerance	+/-10%
Optic type	Beam angle 60°	Initial chromaticity	(0.42, 0.38) SDCM <3
Luminaire light beam spread	60°	Power consumption tolerance	+/-10%
Unified glare rating CEN	Not applicable		

Operating and Electrical

Over Time Performance (IEC Compliant)

Operating and Electrical		Over Time Performance (IEC Compliant)	
Input Voltage	220 to 240 V	Control gear failure rate at median useful life 50000 h	5 %
Line Frequency	50 to 60 Hz	Lumen maintenance at median useful life* 50000 h	L80
Inrush current	5 A		
Inrush time	0.05 ms	**Application Conditions**	
Power Consumption	28 W	Performance ambient temperature Tq	25 °C
Power Factor (Fraction)	0.9	Suitable for random switching	Yes
Connection	Push-in connector and pull relief		
Cable	–	**Product Data**	
Number of products on MCB of 16 A type B	34	Order product name	ST712T LED27S/PW9-3000 PSU FR60 WH

Temperature

Temperature		Full product name	ST712T LED27S/PW9-3000 PSU FR60 WH
Ambient temperature range	+10 to +40 °C	Full product code	871869939909200
		Order code	39909200

Controls and Dimming

Controls and Dimming		Material Nr. (12NC)	910500465302
Dimmable	No	Numerator – Quantity Per Pack	1
Driver/power unit/transformer	Power supply unit (On/Off)	EAN/UPC – Product/Case	8718699399092
Constant light output	No	Numerator – Packs per outer box	1
		EAN/UPC – Case	8718699399092

Mechanical and Housing

Mechanical and Housing	
Housing Material	Aluminum

TrueFashion

Dimensional drawing

www.lighting.philips.com

2023, April 29 – data subject to change