TrueFashion

ST710T LED27S/PW9-3000 PSD-VLC FR24 WH

TrueFashion Compact, Premium white with CRI ≥90, 3000 K, Power supply unit with DALI interface, Beam angle 24°, 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 B10. Therefore, the median useful life (B50) value also represents the B10 value.
Service tag	Yes

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Product family code	ST710T [TrueFashion Compact]
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	2,700 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	92 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 24°
Luminaire light beam spread	24°

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	29.5 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	+10 to +40 °C

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
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	White
Optical cover finish	Clear
Overall length	177 mm
Overall width	80 mm
Overall height	188 mm
Dimensions (Height x Width x Depth)	188 x 80 x 177 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
Maximum dim level	1%
Suitable for random switching	Yes

Product Data

Order product name	ST710T LED27S/PW9-3000 PSD-VLC FR24 WH
Full product name	ST710T LED27S/PW9-3000 PSD-VLC FR24 WH
Full product code	871869939188100
Order code	39188100
Material Nr. (12NC)	910500465141
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8718699391881
Numerator – Packs per outer box	1
EAN/UPC – Case	8718699391881

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Dimensional drawing

www.lighting.philips.com

2023, April 29 – data subject to change