TrueFashion

ST710T LED27S/PW9-3000 PSD CLM20 BK

TrueFashion Compact, LED module 2700 lm, Premium white with CRI ≥90, 3000 K, Power supply unit with DALI interface, Beam angle 18°, 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 (<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		Number of gear units	1 unit
Lamp family code	LED27 [LED module 2700 lm]	Gear	–
Cap-Base	– [-]	Driver included	Yes
Light source replaceable	No		

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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.	**Constant light output**	No

Service tag	Yes
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 18°
Luminaire light beam spread	18°

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	– W W
Average CLO power consumption	– W W
End CLO power consumption	– W
Inrush current	18 A
Inrush time	0.25 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	+50 to +104 °F

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI

Mechanical and Housing

Housing Material	Aluminum
Reflector material	–
Optic material	Polycarbonate
Optical cover material	Polymethyl methacrylate
Fixation material	–
Housing Color	Black
Optical cover finish	Clear
Overall length	7 inch
Overall width	3–3/16 inch
Overall height	7–7/16 inch
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 CLM20 BK
Full product name	ST710T LED27S/PW9-3000 PSD CLM20 BK
Full product code	871869939537700
Local code description	ST710T LED27S/PW9-3000 PSD CLM20 BK
Order code	910500465231
Material Nr. (12NC)	910500465231
Local order code	.
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8718699395377
Numerator – Packs per outer box	1
EAN/UPC – Case	8718699395377

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Dimensional drawing

www.lighting.philips.com

2023, April 29 – data subject to change