PHILIPS Lighting



TrueFashion

ST710T LED20S/CRW PSU FR12 BK

TrueFashion Compact, Crisp white, 3000 K, Power supply unit (On/Off), Beam angle 12°, Black

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		LED based luminaires – January 2018':
Light source replaceable	No	statistically there is no relevant difference in
Number of gear units	Unit	lumen maintenance between the B50 and,
Driver included	Yes	for example, the B10. Therefore, the median
Remarks	*- According to the Lighting Europe	useful life (B50) value also represents the
	guidance paper 'Evaluating performance of	B10 value.

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Value ladder Specification CE mark Yes Warranty period 5 years		
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	Product family code	ST710T [TrueFashion Compact]
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	Lighting Technology	LED
Warranty period 5 years Flammability mark - ENEC mark ENEC mark Glow-wire test Temperature 650 °C, duration 30 s EU RoHS compliant Yes	Value ladder	Specification
Flammability mark - ENEC mark ENEC mark Glow-wire test Temperature 650 °C, duration 30 s EU RoHS compliant Yes	CE mark	Yes
ENEC mark ENEC mark Glow-wire test Temperature 650 °C, duration 30 s EU RoHS compliant Yes	Warranty period	5 years
Glow-wire test Temperature 650 °C, duration 30 s EU RoHS compliant Yes	Flammability mark	-
EU RoHS compliant Yes	ENEC mark	ENEC mark
· · · · · · · · · · · · · · · · · · ·	Glow-wire test	Temperature 650 °C, duration 30 s
Light Technical	EU RoHS compliant	Yes
Light Technical		
	Light Technical	

Light Technical	
Luminous Flux	1,550 lm
Correlated Colour Temperature	3000 K
Luminous efficacy (rated) (nom.)	57 lm/W
Colour rendering index (CRI)	90
Beam angle of light source	120 degree(s)
Light source colour	Crisp white
Optic type	Beam angle 12°
Luminaire light beam spread	12°

Optic material	Polycarbonate
Optical cover/lens material	Polymethyl methacrylate
Fixation material	-
Housing Colour	Black
Optical cover/lens 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	(0.43, 0.39) SDCM <3
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful	5 %
life 50,000 h	
Lumen maintenance at median useful life*	L80
50,000 h	

Application Conditions

Performance ambient temperature Tq	25 °C
Suitable for random switching	Yes

Product Data

Product Data	
Order product name	ST710T LED20S/CRW PSU FR12 BK
Full product name	ST710T LED20S/CRW PSU FR12 BK
Full EOC	871869939216100
Order code	39216100
Material no. (12 NC)	910500465161
SAP numerator - quantity per pack	1
EAN/UPC — Product/Case	8718699392161
Numerator – packs per outer box	1
EAN/UPC - Case	8718699392161

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	18 A
Inrush time	0.25 ms
Power Consumption	27 W
Power Factor (Fraction)	0.9
Connection	Push-in connector and pull relief
Cable	-
Number of products on MCB of 16 A type	34

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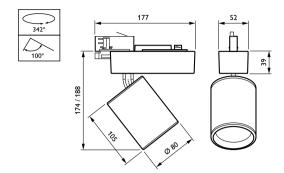
Temperature	
Ambient temperature range	+10 to +40 °C

Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	No
Mechanical and Housing	
Housing material	Aluminium
Reflector material	Aluminium and polycarbonate

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Dimensional drawing





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