PHILIPS Lighting



TrueFashion

ST712T LED27S/PW9-4000 PSU FR24 BK

TrueFashion Compact Drv. In Track, Premium white with CRI ≥90, 4000 K, Power supply unit (On/Off), Beam angle 24°, 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		luminaires – January 2018': statistically there
Light source replaceable	No	is no relevant difference in lumen
Number of gear units	Unit	maintenance between the B50 and, for
Driver included	Yes	example, the B10. Therefore, the median
Remarks	*- According to the Lighting Europe guidance	useful life (B50) value also represents the
	paper 'Evaluating performance of LED based	B10 value.

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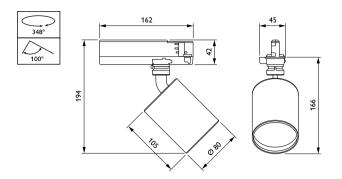
Product family code	ST712T [TrueFashion Compact Drv. In Track]
Product family code	
Lighting Technology Value ladder	LED
CE mark	Specification Yes
Warranty period	5 years
Flammability mark	-
ENEC mark	ENEC mark
Glow-wire test	Temperature 650 °C, duration 30 s
EU RoHS compliant	Yes
Light Technical	
Luminous Flux	2,400 lm
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	86 lm/W
Colour rendering index (CRI)	90
Beam angle of light source	120 degree(s)
Light source colour	Premium white with CRI ≥90
Optic type	Beam angle 24°
Luminaire light beam spread	24°
Unified Glare Rating (CEN)	Not applicable
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	28 W
Power Factor (Fraction)	0.9
Connection	Push-in connector and pull relief
Cable	-
Number of products on MCB of 16 A type	34
В	
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
Optic material	Polycarbonate
Optical cover/lens material	Polymethyl methacrylate
Fixation material	-
Housing Colour	Black
Optical cover/lens finish	Clear
Overall length	162 mm
Overall width	80 mm
Overall height	168 mm
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	(0.37, 0.36) SDCM <3
Power consumption tolerance	+/-10%
Over Time Performance (IEC Compl	iant)
Control gear failure rate at median useful	5 %
life 50,000 h	
Lumen maintenance at median useful	L80
life* 50,000 h	
Application Conditions	
Performance ambient temperature Tq	25 °C
Suitable for random switching	Yes
Product Data	
Order product name	ST712T LED27S/PW9-4000 PSU FR24 BK
Full product name	ST712T LED27S/PW9-4000 PSU FR24 BK
Full EOC	871869939917700
Order code	39917700
Material no. (12 NC)	910500465310
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718699399177
Numerator – packs per outer box	1
Numerator – packs per outer box	

Datasheet, 2023, April 29

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Dimensional drawing





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www.lighting.philips.com 2023, April 29 - data subject to change