# **PHILIPS** Lighting



# **TrueFashion**

# ST712T LED27S/PW9-3000 PSU FR36 WH

TrueFashion Compact Drv. In Track, Premium white with CRI ≥90, 3000 K, Power supply unit (On/Off), Beam angle 36°, White

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

- $\cdot$  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		Remarks	*-Per Lighting Europe guidance paper
Light source replaceable	No		"Evaluating performance of LED based
Number of gear units	1 unit		luminaires - January 2018": statistically there
Driver included	Yes		is no relevant difference in lumen
			maintenance between B50 and for example

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	B10. Therefore, the median useful life (B50)
	value also represents the B10 value.
Service tag	Yes
Product family code	ST712T [TrueFashion Compact Drv. In Track]
- 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	2,400 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	86 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 36°
Luminaire light beam spread	36°
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	-
	34
Number of products on MCB of 16 A type	
Number of products on MCB of 16 A type B	
В	+10 to +40 °C
B Temperature	
B Temperature	
B Temperature Ambient temperature range	
B Temperature Ambient temperature range Controls and Dimming	+10 to +40 °C

# 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	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]

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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)
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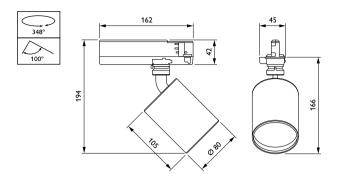
Control gear failure rate at median useful 5 %	
life 50000 h	
Lumen maintenance at median useful	L80
life* 50000 h	

Application Conditions	
Performance ambient temperature Tq	25 °C
Suitable for random switching	Yes
Product Data	
Order product name	ST712T LED27S/PW9-3000 PSU FR36 WH
Full product name	ST712T LED27S/PW9-3000 PSU FR36 WH
Full product code	871869939908500
Order code	910500465301

i uli product code	0/1003333300300
Order code	910500465301
Material Nr. (12NC)	910500465301
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699399085
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699399085

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#### Dimensional drawing





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