

# **T8**

## 8T8 LED/24-4000 IF EasySmart 1PK

Our TLEDs are available in InstantFit (Type A / Type C) or MainsFit (Ballast bypass / Type B) versions. The InstantFit lamps work on a broad variety of ballasts and LED drivers. Only InstantFit has over 15,000 lamp & ballast combinations delivering even light output, energy savings and a long lifetime. Our MainsFit products feature a double-ended design, simplifying installation while a proprietary safety circuit minimizes a shock risk. Lamp sizes range from 2-foot to 8-foot and U-bend with a variety of lumen outputs.

### **Product data**

General Information				
Cap-Base	G13 [Medium Bi-Pin Fluorescent]			
Nominal lifetime	50,000 hour(s)			
Switching Cycle	50,000			
Lighting Technology	LED			
EU RoHS compliant	Yes			
Light Technical				
Color Code	840 [CCT of 4000K]			
Beam Angle (Nom)	160 degree(s)			
Luminous Flux	1,200 lm			
Color Designation	Cool White (CW)			
Correlated Color Temperature (Nom)	4000 K			
Luminous Efficacy (rated) (Nom)	150.00 lm/W			
Color Consistency	<6			
Color rendering index (CRI)	80			
LLMF At End Of Nominal Lifetime (Nom) 70 %				
Operating and Electrical				
Line Frequency	40000-85000 Hz			

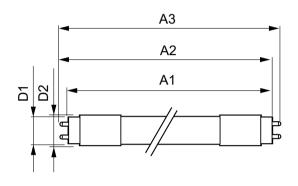
Input Frequency	40000-85000 Hz			
Power Consumption	8 W			
Lamp Current (Max)	280 mA			
Lamp Current (Min)	70 mA			
Starting Time (Nom)	0.5 s			
Warm-up time to 60% light	0.5 s			
Power Factor (Fraction)	0.9			
Voltage (Nom)	200-380 V			
Temperature				
Ambient temperature range	-20 °C to 45 °C			
T-Case Maximum (Nom)	35 ℃			
Controls and Dimming				
Dimmable	Wireless Dim			
Mechanical and Housing				
Product Length	600 mm			
Bulb Shape	Tube, double-ended			

Datasheet, 2023, December 6 data subject to change

Approval and Application				
Energy Saving Product	Yes			
Approval Marks	UL certificate RoHS compliance DLC			
	compliance			
Energy Consumption kWh/1000 h	- kWh			
Energy Certifications	DLC Standard			
Product Data				
Order product name	8T8 LED/24-4000 IF EasySmart 1PK			

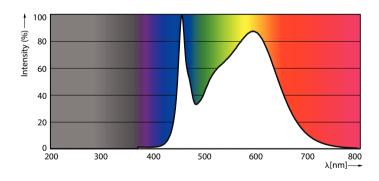
Full product name	8T8 LED/24-4000 IF EasySmart 1PK		
Order code	929001398604		
Material Nr. (12NC)	929001398604		
Numerator - Quantity Per Pack	1		
EAN/UPC - Product/Case	046677474072		
Numerator - Packs per outer box	10		
EAN/UPC - Case	50046677474077		

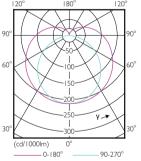
### Dimensional drawing



Product	D1	D2	A1	A2	A3
8T8 LED/24-4000 IF EasySmart	25.6 mm	27.8 mm	588.6 mm	595.7 mm	602.8 mm
1PK					

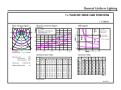
### Photometric data





Spectral Power Distribution Colour - 8T8 LED/24-4000 IF EasySmart 1PK

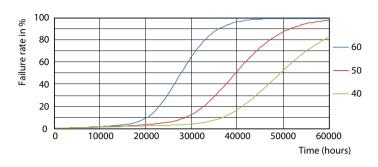
Light Distribution Diagram - 8T8 LED/24-4000 IF EasySmart 1PK



Calculati Photometrix 4.5 Philips Lighting EV. Pages 17

General uniform lighting - 8T8 LED/24-4000 IF EasySmart 1PK

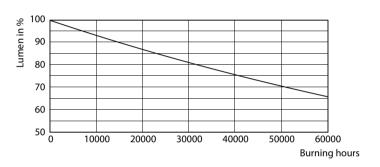
### Lifetime



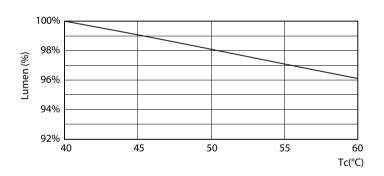
### Life Expectancy Diagram - 8T8 LED/24-4000 IF EasySmart 1PK

# 80 80 40 20 10000 20000 30000 40000 50000 60000 Time (hours)

### Life Expectancy Diagram - 8T8 LED/24-4000 IF EasySmart 1PK



Life Expectancy Diagram - 8T8 LED/24-4000 IF EasySmart 1PK



Lumen Maintenance Diagram - 8T8 LED/24-4000 IF EasySmart 1PK

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Lumen Maintenance Diagram - 8T8 LED/24-4000 IF EasySmart 1PK



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