

Lighting

PHILIPS

MasterClass InstantFit (UL Type-A) T8

13T8-6U/MAS/24-850/IF21/P/DIM 10/1

The MasterClass InstantFit T8 lamps provide hassle-free installation with simple lamp-for-lamp replacements. They deliver what we promise, with at least 40% energy savings, flicker-free performance, and the life you would expect. Other lamps claim compatibility but only MasterClass InstantFit (UL Type A) has been proven to work with over 200 ballasts and drivers, delivering even light output, with proven energy savings and a long average lifetime. End users will be delighted being under these comfortable and high quality lamps with no visible flicker and optimized optics. Energy managers will enjoy these lamps too as they can count the savings delivered by our lamps. To enjoy more energy savings, the MasterClass InstantFit lamps can be paired with the Advance TLED drivers to create a Type C system. With available 70,000 hour life, 7-year limited warranty and a shatter-prevention polycarbonate lens, Philips MasterClass InstantFit TLED lamps deliver benefits for all.

Product data

General Information	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]
Nominal lifetime	70,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
Light Technical	
Color Code	850 [CCT of 5000K]
Beam Angle (Nom)	180 degree(s)

Luminous Flux	2,100 lm
Color Designation	Daylight
Correlated Color Temperature (Nom)	5000 K
Luminous Efficacy (rated) (Nom)	161.00 lm/W
Color Consistency	<5
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom) 70 %

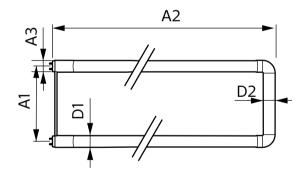
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Operating and Electrical		
Line Frequency	20K to 120K Hz	
Input Frequency	20K to 120K Hz	
Power Consumption	13 W	
Wattage Equivalent	32 W	
Starting Time (Nom)	0.5 s	
Warm-up time to 60% light	0.5 s	
Power Factor (Fraction)	0.9	
Voltage (Nom)	120-277, 347 V	
UL Type	UL Type A	
Temperature		
T-Case Maximum (Nom)	50 °C	
Controls and Dimming		
Dimmable	Yes	
Mechanical and Housing		
Bulb Finish	Frosted	
Bulb Material	Plastic	
Product Length	600 mm	
Bulb Shape	Т8	
Net Weight (Piece)	0.270 kg	

Energy Saving Product Yes Approval Marks RoHS compliance UL certificate DLC compliance Energy Consumption kWh/1000 h - kWh Energy Certifications DLC Standard EU RoHS compliant Yes	
compliance Energy Consumption kWh/1000 h - kWh Energy Certifications DLC Standard	
Energy Consumption kWh/1000 h - kWh Energy Certifications DLC Standard	
Energy Certifications DLC Standard	
EU RoHS compliant Yes	
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Ambient temperature range-20 °C to 45 °C	
Application Conditions	
can it be used in closed luminaires Yes	
Product Data	
Order product name 13T8-6U/MAS/24-850/IF21/P/DIM 10/	1
Full product name13T8-6U/MAS/24-850/IF21/P/DIM 10/	1
Order code 929001987704	
Material Nr. (12NC) 929001987704	
Numerator - Quantity Per Pack	

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EAN/UPC - Product/Case	046677541880
Numerator - Packs per outer box	10
EAN/UPC - Case	50046677541885

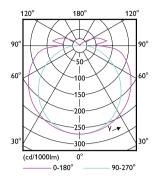
Dimensional drawing

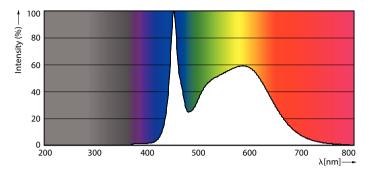


Product	D1	D2	A1	A2	A3
13T8-6U/MAS/24-850/IF21/P/DIM 10/1	25.7 mm	28 mm	152 mm	570 mm	27.8 mm

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Photometric data





Light Distribution Diagram - 13T8-6U/MAS/24-850/IF21/P/DIM 10/1

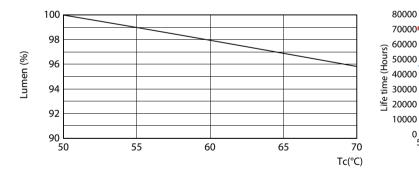
Spectral Power Distribution Colour - 13T8-6U/MAS/24-850/IF21/P/DIM 10/1

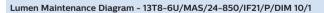
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General uniform lighting - 13T8-6U/MAS/24-850/IF21/P/DIM 10/1

Lifetime







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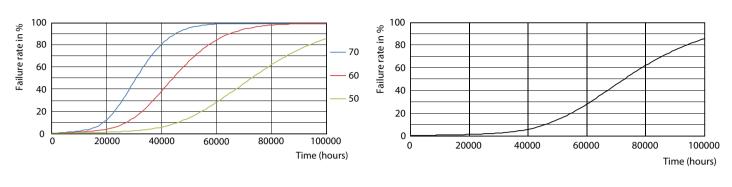
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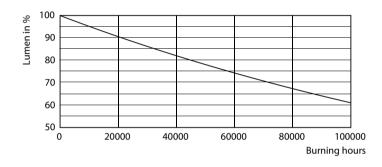
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Lifetime



G13 4000K

G13 4000K



Lumen Maintenance Diagram - 13T8-6U/MAS/24-850/IF21/P/DIM 10/1



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