

MasterClass InstantFit (UL Type-A) T8

7T8/MAS/24-840/IF11/P/DIM 10/1

MasterClass, LEDtube, T8, 23-5/8 inch, 7 W, 4000 K, 1200 lm, 70000 hour(s)

MasterClass, LEDtube, T8, 23-5/8 inch, 7 W, 4000 K, 1200 lm, 70000 hour(s), 171 lm/W, G13, Plastic

Product data

General Information	
Cap-Base	G13
Nominal lifetime	70,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LEDtube
Light Technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	180 degree(s)
Luminous Flux	1,200 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	171 lm/W
Color Consistency	<6
Color rendering index (CRI)	80

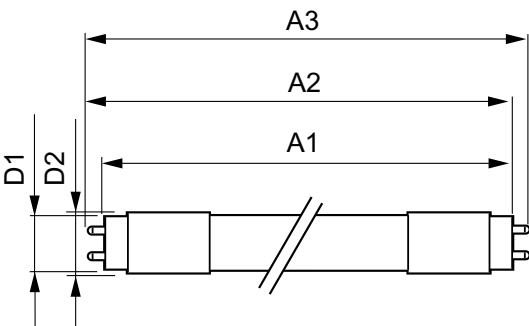
LLMF At End Of Nominal Lifetime (Nom) 70 %	
Operating and Electrical	
Line Frequency	20K to 120K Hz
Input Frequency	20K to 120K Hz
Power Consumption	7 W
Lamp Current (Max)	240 mA
Lamp Current (Min)	50 mA
Wattage Equivalent	17 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	120-277,347 V
UL Type	UL Type A

MasterClass InstantFit (UL Type-A) T8

Temperature	
T-Case Maximum (Nom)	104 °F
Controls and Dimming	
Dimmable	Only with specific dimmers
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	23-5/8 inch
Bulb Shape	T8
Net Weight (Piece)	0.198 lb
Approval and Application	
Energy Saving Product	Yes
Approval Marks	RoHS compliance UL certificate DLC compliance
Energy Certifications	DLC Standard

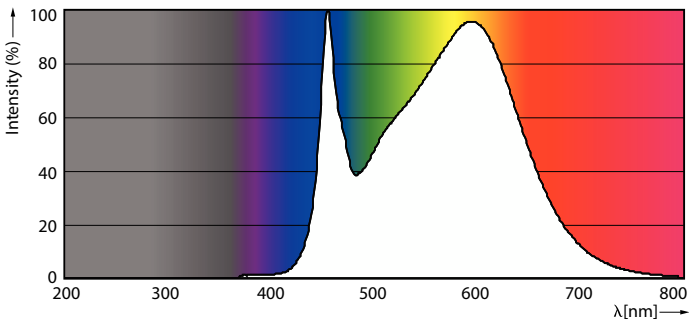
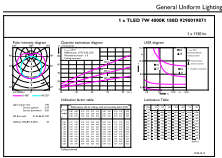
EU RoHS compliant	Yes
Ambient temperature range	-4 °F to 113 °F
Application Conditions	
can it be used in closed luminaires	Yes
Wireless Technology	Not applicable
Product Data	
Order product name	7T8/MAS/24-840/IF11/P/DIM 10/1
Full product name	7T8/MAS/24-840/IF11/P/DIM 10/1
Order code	541839
Material Nr. (12NC)	929001987104
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677541835
Numerator - Packs per outer box	10
EAN/UPC - Case	50046677541830

Dimensional drawing



Product	D1	D2	A1	A2	A3
7T8/MAS/24-840/ IF11/P/DIM 10/1	1-1/16 inch	1-1/16 inch	23-3/16 inch	23-1/2 inch	23-3/4 inch

Photometric data

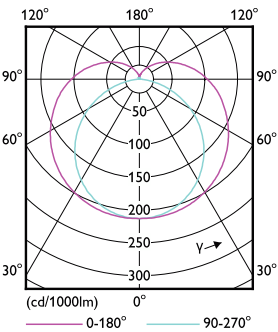


General uniform lighting - 7T8/MAS/24-840/IF11/P/DIM 10/1

Spectral Power Distribution Colour - 7T8/MAS/24-840/IF11/P/DIM 10/1

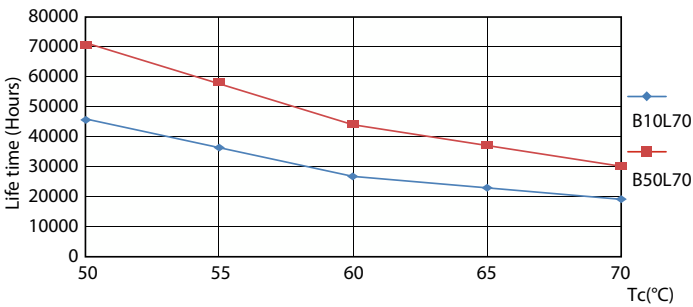
MasterClass InstantFit (UL Type-A) T8

Photometric data

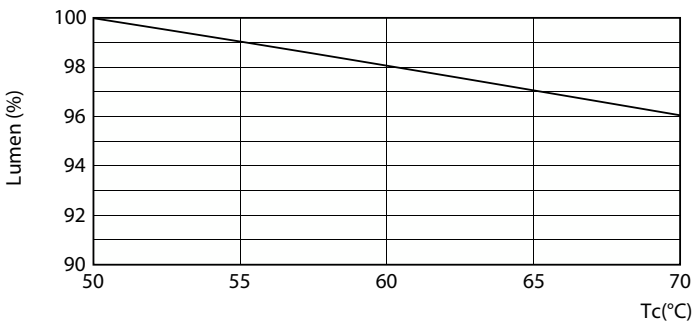


Light Distribution Diagram - 7T8/MAS/24-840/IF11/P/DIM 10/1

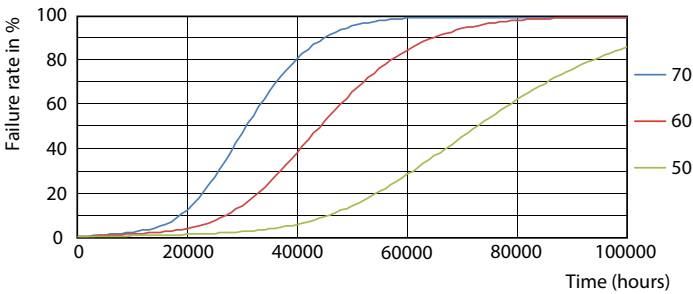
Lifetime



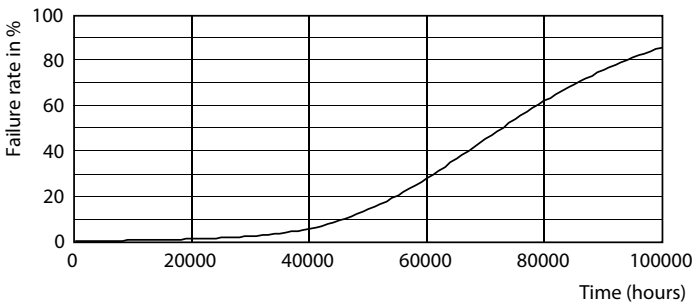
G13 4000K



Lumen Maintenance Diagram - 7T8/MAS/24-840/IF11/P/DIM 10/1



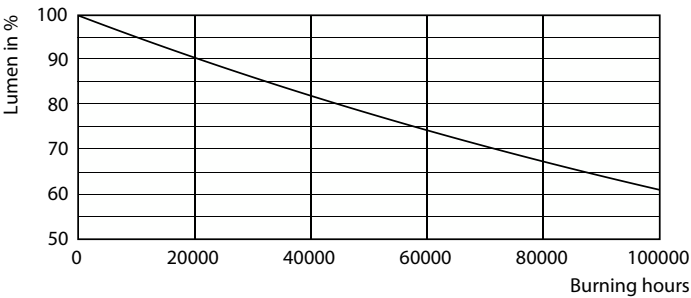
G13 4000K



G13 4000K

MasterClass InstantFit (UL Type-A) T8

Lifetime



Lumen Maintenance Diagram - 7T8/MAS/24-840/IF11/P/DIM 10/1

