



# MasterClass InstantFit (UL Type- A) T8

**15.5T8/MAS/48-850/IF25/P/DIM 25/1**

MasterClass, LED, T8, 1200 mm, 15.5 W, 5000 K, 2500 lm,  
70000 hour(s)

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.

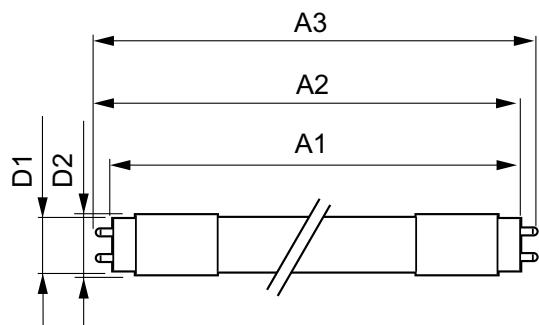
## Product data

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

# MasterClass InstantFit (UL Type-A) T8

Luminous Flux	2,500 lm
Color Designation	Daylight
Correlated Color Temperature (Nom)	5000 K
Luminous Efficacy (rated) (Nom)	161 lm/W
Color Consistency	<5
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
<b>Operating and Electrical</b>	
Line Frequency	20K to 120K Hz
Input Frequency	20K to 120K Hz
Power Consumption	15.5 W
Lamp Current (Max)	320 mA
Lamp Current (Min)	60 mA
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
<b>Temperature</b>	
T-Case Maximum (Nom)	40 °C
<b>Controls and Dimming</b>	
Dimmable	Only with specific dimmers
<b>Mechanical and Housing</b>	
Bulb Finish	Frosted

## Dimensional drawing

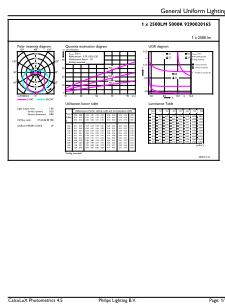
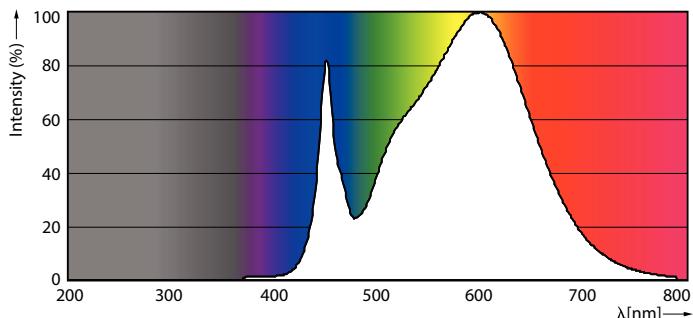


Bulb Material	Plastic
Product Length	1,200 mm
Bulb Shape	T8
Net Weight (Piece)	0.165 kg
<b>Approval and Application</b>	
Energy Saving Product	Yes
Approval Marks	RoHS compliance UL certificate DLC compliance
EU RoHS compliant	Yes
Ambient temperature range	-20 °C to 55 °C
<b>Application Conditions</b>	
can it be used in closed luminaires	Yes
<b>Product Data</b>	
Order product name	15.5T8/MAS/48-850/IF25/P/DIM 25/1
Full product name	15.5T8/MAS/48-850/IF25/P/DIM 25/1
Order code	545200
Material Nr. (12NC)	929002016504
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677545208
Numerator - Packs per outer box	25
EAN/UPC - Case	50046677545203

Product	D1	D2	A1	A2	A3
15.5T8/MAS/48-850/IF25/P/DIM 25/1	25.7 mm	28 mm	1,198.1 mm	1,205.2 mm	1,212.3 mm

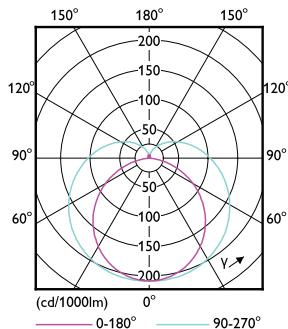
# MasterClass InstantFit (UL Type-A) T8

## Photometric data



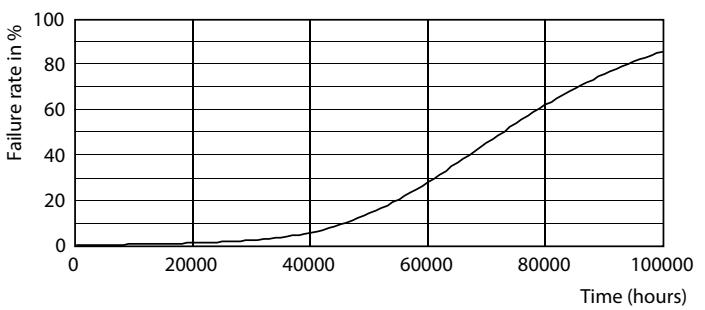
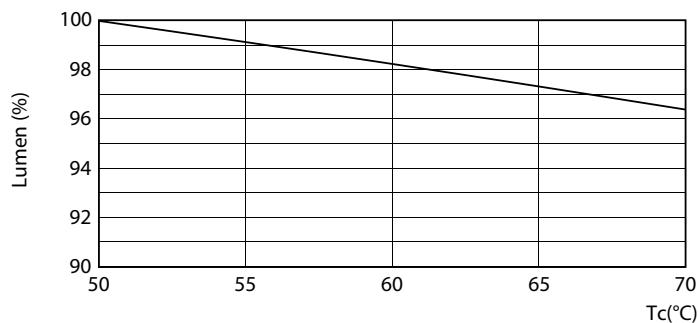
Spectral Power Distribution Colour - 15.5T8/MAS/48-850/IF25/P/DIM 25/1

General uniform lighting - 15.5T8/MAS/48-850/IF25/P/DIM 25/1



Light Distribution Diagram - 15.5T8/MAS/48-850/IF25/P/DIM 25/1

## Lifetime

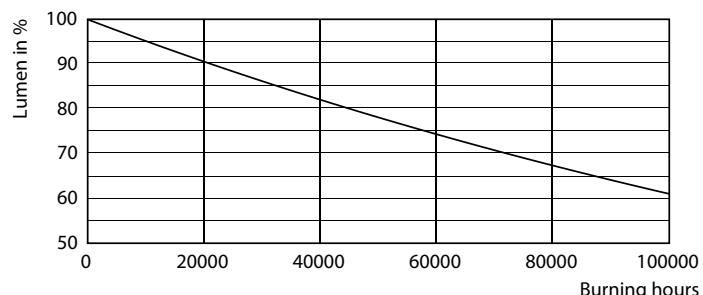
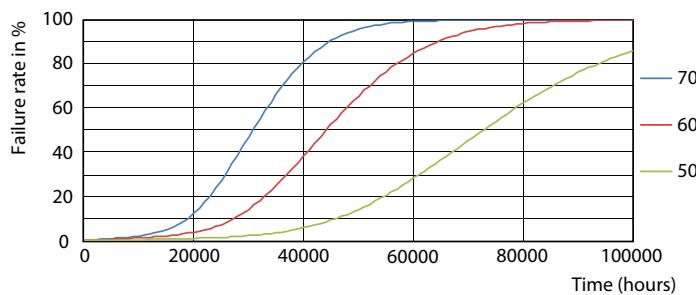


Lumen Maintenance Diagram - 15.5T8/MAS/48-850/IF25/P/DIM 25/1

LEDtube 15,5W G13 T8

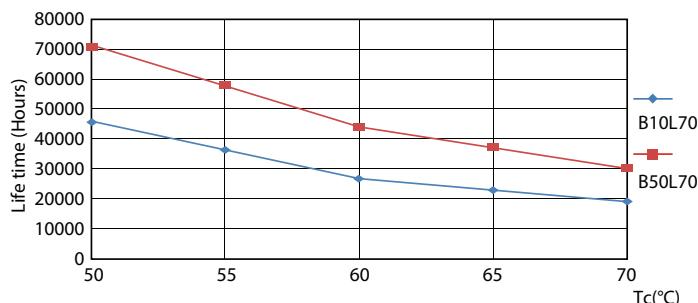
## MasterClass InstantFit (UL Type-A) T8

### Lifetime



LEDtube 15,5W G13 T8 FailureRate

Lumen Maintenance Diagram - 15.5T8/MAS/48-850/IF25/P/DIM 25/1



LEDtube 15,5W G13 T8 LifetimeVsTc

