



# T8

## 14.5T8/MAS/48-840/MF21/P 10/1

Introducing Philips MainsFit (UL Type B) MasterClass T8 LED tubes with industry leading reliability, shatter-prevention and lifetime. The UL Type B LED tubes are designed with easy installation and long-term maintenance simplicity in mind. Upgrade your lighting to MasterClass and realize 70,000 hour LED lifetime backed by a 7-year, full replacement limited warranty (see [www.philips.com/mainsfit](http://www.philips.com/mainsfit) for more info),

### Product data

General information		Power (Rated) (Nom)	
Base	G13 [ Medium Bi-Pin Fluorescent]		14.5 W
EU RoHS compliant	Yes	Lamp Current (Max)	125 mA
Nominal Lifetime (Nom)	70000 h	Lamp Current (Min)	54 mA
Switching Cycle	50000X	Wattage Equivalent	32 W
Technical Type	14.5-32W	Starting Time (Nom)	0.5 s
		Warm Up Time to 60% Light (Nom)	0.10 s
		UL Type	Type B - bypass the ballast
		Power Factor (Nom)	0.9
		Voltage (Nom)	120-277 V
Light technical		Temperature	
Color Code	841 [ CCT of 4100K (841)]	T-Ambient (Max)	45 °C
Beam Angle (Nom)	180 °	T-Ambient (Min)	-20 °C
Initial lumen (Nom)	2100 lm	T-Storage (Max)	65 °C
Luminous Flux (Rated) (Nom)	2100 lm	T-Storage (Min)	-40 °C
Color Designation	Cool White (CW)	T-Case Maximum (Nom)	70 °C
Correlated Color Temperature (Nom)	4000 K		
Luminous Efficacy (rated) (Nom)	144.00 lm/W	Controls and dimming	
Color Consistency	<6	Dimmable	No
Color Rendering Index (Nom)	80		
LLMF At End Of Nominal Lifetime (Nom)	70 %		
Operating and electrical			
Input Frequency	50 to 60 Hz		

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## Mechanical and housing

Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	48 in
Bulb Shape	Tube, double-ended

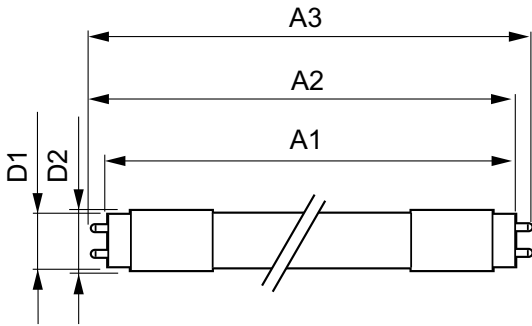
## Approval and application

Energy Saving Product	Yes
Approval Marks	RoHS compliance UL certificate DLC compliance
Energy Consumption kWh/1000 h	- kWh

## Product data

Order product name	14.5T8/MAS/48-840/MF21/P 10/1
EAN/UPC - Product	046677557409
Order code	557405
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929002325604
Net Weight (Piece)	0.120 kg
Model Number	9290023256

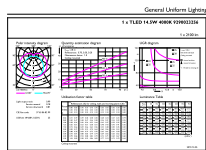
## Dimensional drawing



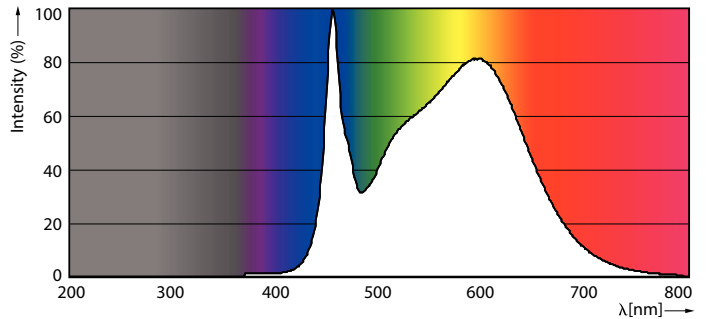
14.5T8/MAS/48-840/MF21/P 10/1

Product	D1	D2	A1	A2	A3
14.5T8/MAS/48-840/MF21/P 10/1	25.7 mm	28 mm	1198 mm	1205 mm	1212 mm

## Photometric data

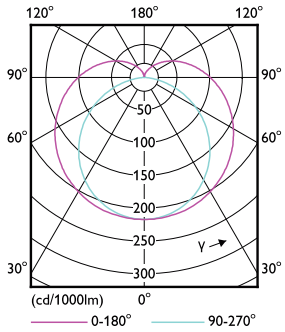


LEDtube\_14.5W\_G13\_840-GUL



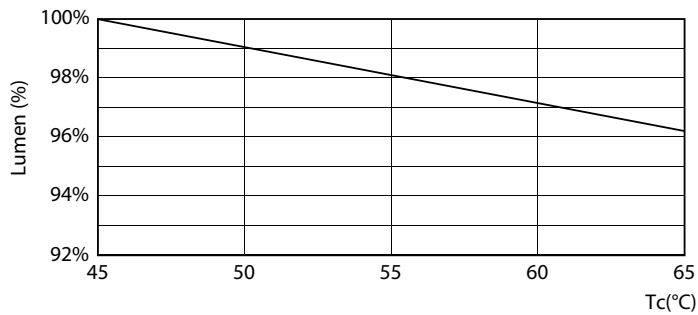
LEDtube\_G13\_840-POC

Photometric data

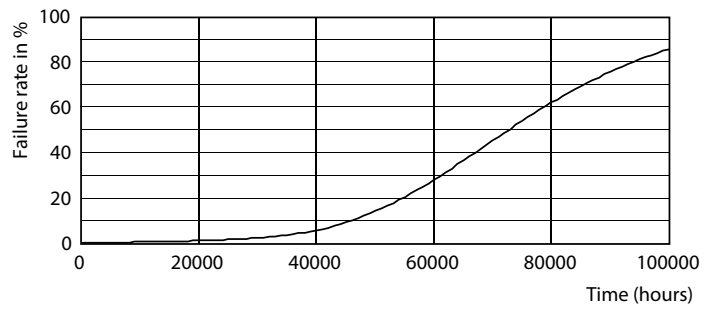


LEDtube\_G13\_1-LDD

Lifetime



LEDtube\_70K\_1\_LumenVsTc-LMP



LEDtube\_70K-LDD



LEDtube\_70K\_LifetimeVsTc-LED



LEDtube\_70K\_FailureRate-LED

# T8

## Lifetime



LEDtube\_70K-LMP

