



# 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	Starting Time (Nom)	0.5 s
Technical Type	14.5-32W	Warm Up Time to 60% Light (Nom)	0.10 s
Light Technical		UL Type	Type B - bypass the ballast
Color Code	841 [ CCT of 4100K (841)]	Power Factor (Nom)	0.9
Beam Angle (Nom)	180 °	Voltage (Nom)	120-277 V
Initial lumen (Nom)	2100 lm	Temperature	
Luminous Flux (Rated) (Nom)	2100 lm	T-Ambient (Max)	45 °C
Color Designation	Cool White (CW)	T-Ambient (Min)	-20 °C
Correlated Color Temperature (Nom)	4000 K	T-Storage (Max)	65 °C
Luminous Efficacy (rated) (Nom)	144.00 lm/W	T-Storage (Min)	-40 °C
Color Consistency	<6	T-Case Maximum (Nom)	70 °C
Color Rendering Index (Nom)	80	Controls and Dimming	
LLMF At End Of Nominal Lifetime (Nom)	70 %	Dimmable	No
Operating and Electrical			
Input Frequency	50 to 60 Hz		

# T8

## Mechanical and Housing

Product Length 48 in

## Approval and Application

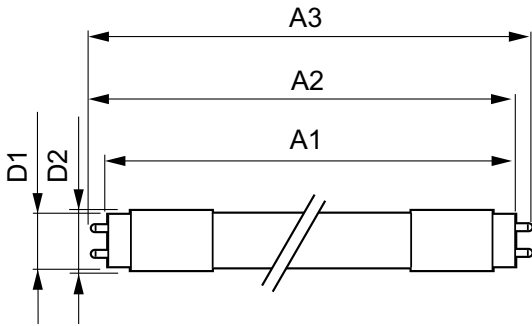
Energy Efficiency Label (EEL) Not applicable  
 Energy Saving Product Yes  
 Approbation Marks RoHS compliance UL certificate DLC compliance  
 Energy Consumption kWh/1000 h - kWh

## 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

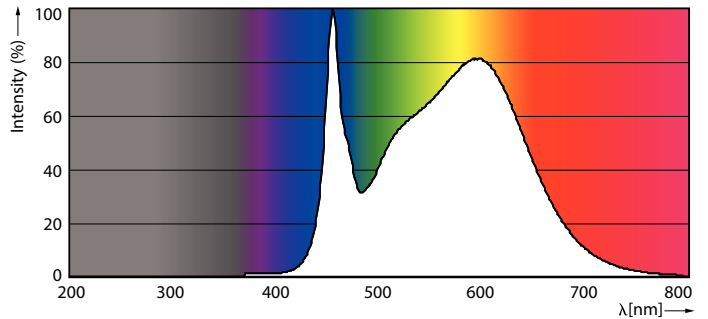
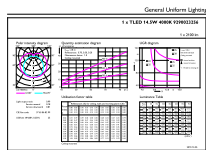
## Dimensional drawing



TLED T8 120-277V 14.5-32W 2100lm 4000K

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

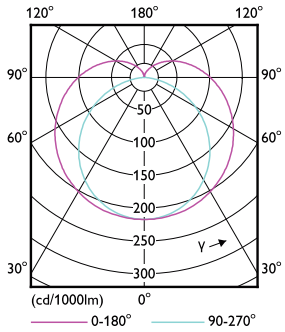
## Photometric data



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

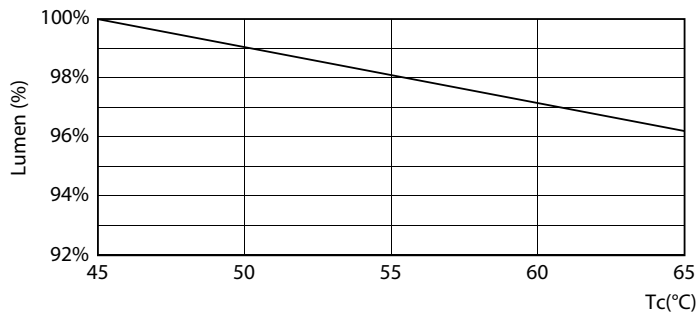
LEDtube\_G13\_840-POC

Photometric data

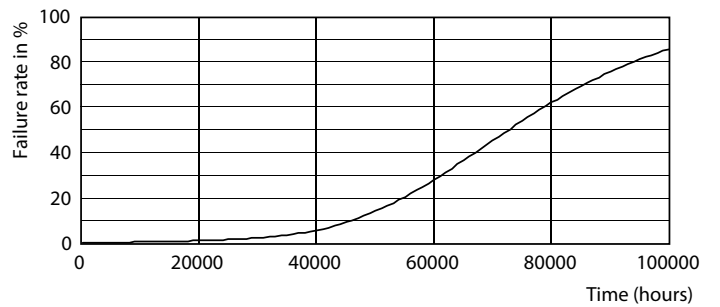


LEDtube\_G13\_1-LDD

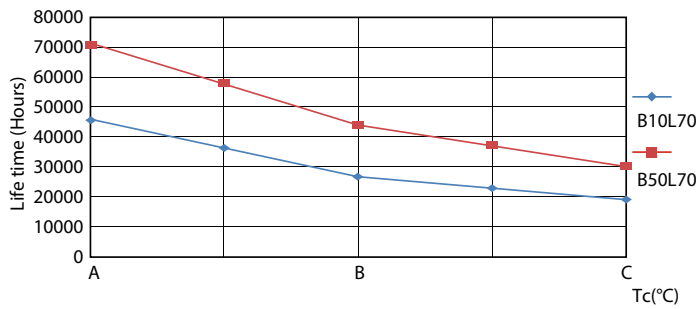
Lifetime



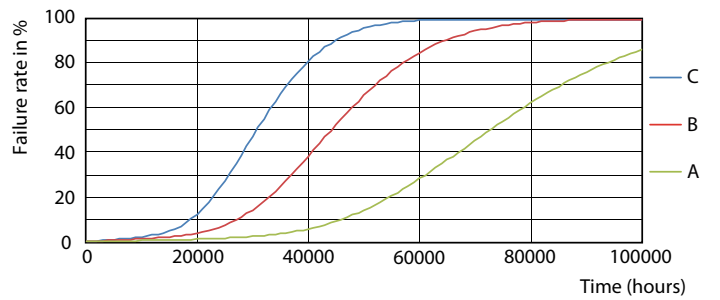
LEDtube\_70K\_1\_LumenVsTc-LMP



LEDtube\_70K-LDD



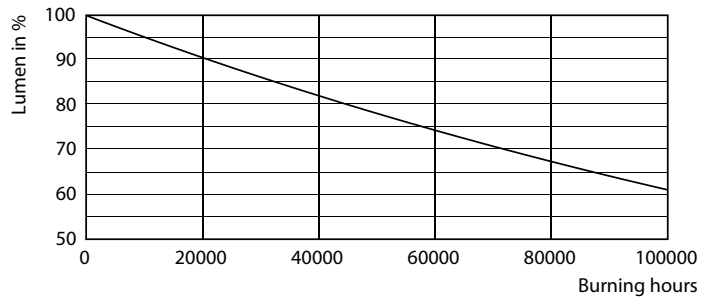
LEDtube\_70K\_LifetimeVsTc-LED



LEDtube\_70K\_FailureRate-LED

# T8

## Lifetime



LEDtube\_70K-LMP

