

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 for more info),

Product data

General Information	
Base	G13 [Medium Bi-Pin Fluorescent]
EU RoHS compliant	Yes
Nominal Lifetime (Nom)	70000 h
Switching Cycle	50000X
Technical Type	14.5-32W
Light Technical	
Color Code	841 [CCT of 4100K (841)]
Beam Angle (Nom)	180 °
Initial lumen (Nom)	2100 lm
Luminous Flux (Rated) (Nom)	2100 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	144.00 lm/W
Color Consistency	<6
Color Rendering Index (Nom)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Input Frequency	50 to 60 Hz

Power (Rated) (Nom)	14.5 W
Lamp Current (Max)	125 mA
Lamp Current (Min)	54 mA
Starting Time (Nom)	0.5 s
Warm Up Time to 60% Light (Nom)	0.10 s
Power Factor (Nom)	0.9
Voltage (Nom)	120-277 V

Temperature	
T-Ambient (Max)	45 °C
T-Ambient (Min)	-20 °C
T-Storage (Max)	65 °C
T-Storage (Min)	-40 °C
T-Case Maximum (Nom)	70 °C

Controls and Dimming	
Dimmable	No

Mechanical and Housing	
Product Length	1200 mm

T8

Approval and Application

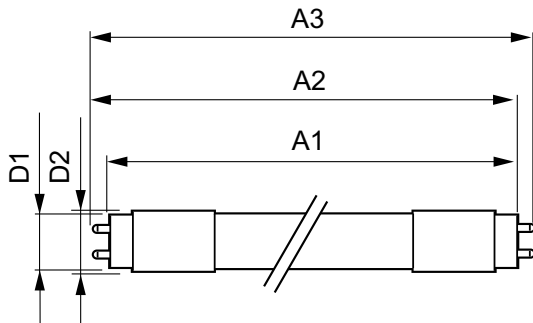
Energy Saving Product	Yes
Approbation Marks	RoHS compliance UL certificate DLC compliance

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

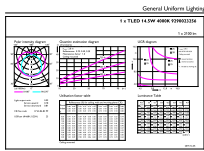
Dimensional drawing



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

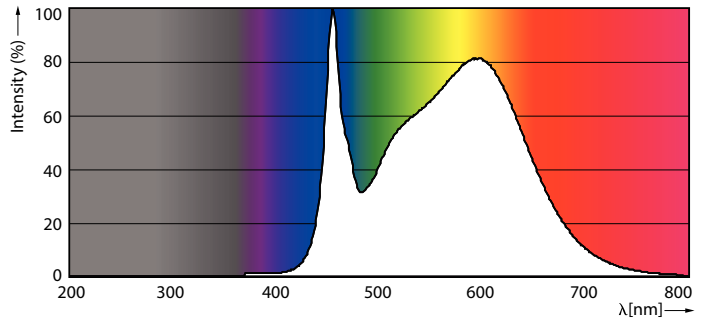
Product	D1	D2	A1	A2	A3
14.5T8/MAS/48-840/MF21/P 10/1	25.7 mm	28 mm	1198 mm	1205 mm	1212 mm

Photometric data

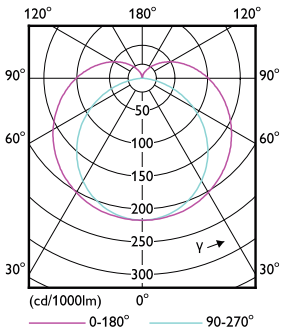


General Uniform Lighting 1 x TLED 14.5W 840K 2100lm Page 10

LEDtube_14.5W_G13_840-GUL

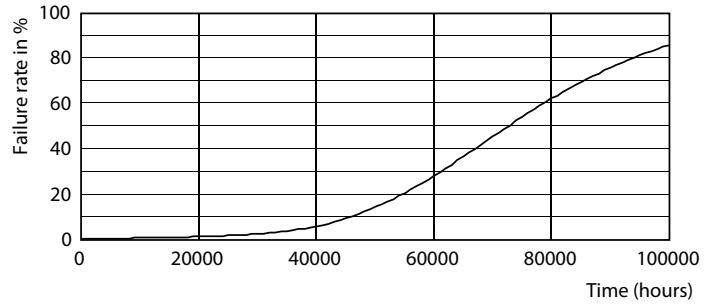
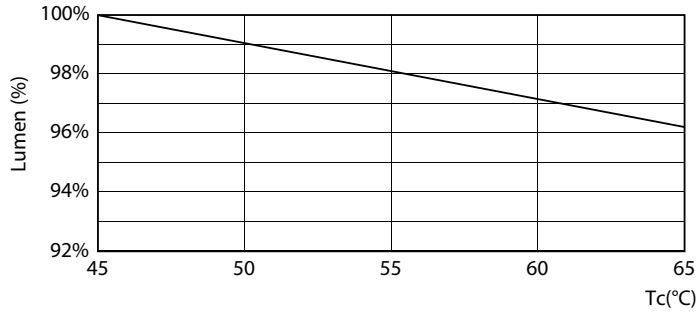


LEDtube_G13_840-POC



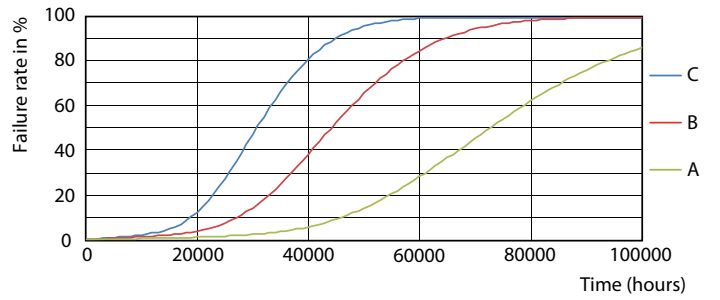
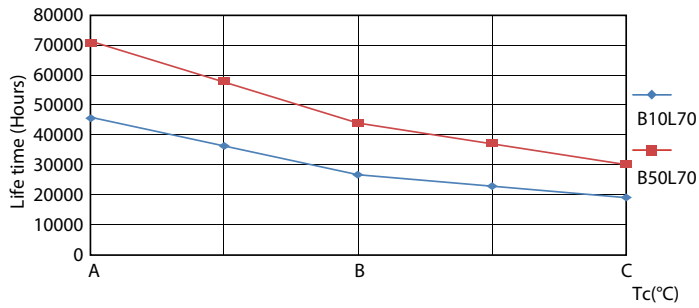
LEDtube_G13_1-LDD

Lifetime



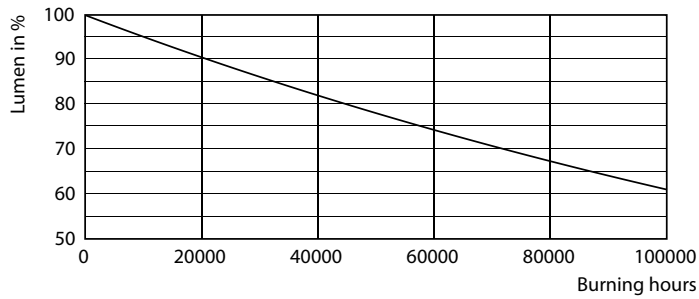
LEDtube_70K_1_LumenVsTc-LMP

LEDtube_70K-LED



LEDtube_70K_LifetimeVsTc-LED

LEDtube_70K_FailureRate-LED



LEDtube_70K-LMP

