PHILIPS

Lighting



MasterClass InstantFit (UL Type-A) T8

13T8/MAS/48-850/IF21/P/DIM 10/1

MasterClass, LEDtube, T8, 1200 mm, 13 W, 5000 K, 2100 lm, 70000 hour(s)

MasterClass, LEDtube, T8, 1200 mm, 13 W, 5000 K, 2100 lm, 70000 hour(s), 161 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	850 [CCT of 5000K]
Beam Angle (Nom)	180 degree(s)
Luminous Flux	2,100 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 %

Operating and Electrical	
Line Frequency	20K to 120K Hz
Input Frequency	20K to 120K Hz
Power Consumption	13 W
Lamp Current (Max)	300 mA
Lamp Current (Min)	50 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

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Temperature	
T-Case Maximum (Nom)	40 °C

Controls and Dimming	
Dimmable	Only with specific dimmers

Mechanical and Housing	
Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	1,200 mm
Bulb Shape	T8
Net Weight (Piece)	0.165 kg

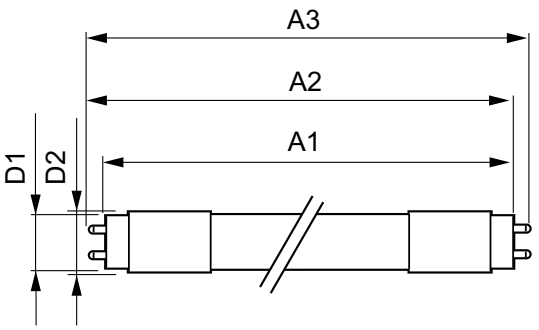
Approval and Application	
Energy Saving Product	Yes
Approval Marks	RoHS compliance UL certificate DLC compliance
Energy Certifications	DLC Standard

EU RoHS compliant	Yes
Ambient temperature range	-20 °C to 45 °C

Application Conditions	
can it be used in closed luminaires	Yes
Wireless Technology	Not applicable

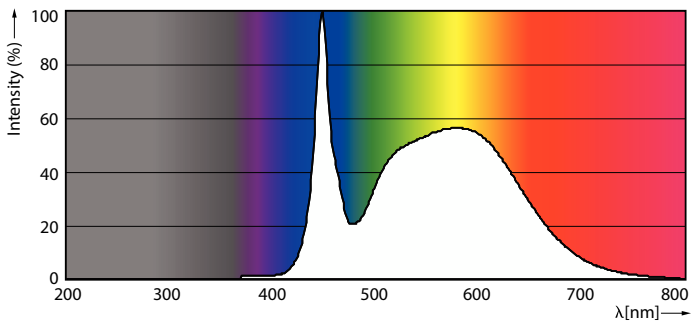
Product Data	
Order product name	13T8/MAS/48-850/IF21/P/DIM 10/1
Full product name	13T8/MAS/48-850/IF21/P/DIM 10/1
Order code	929001397934
Material Nr. (12NC)	929001397934
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677473952
Numerator - Packs per outer box	10
EAN/UPC - Case	50046677473957

Dimensional drawing

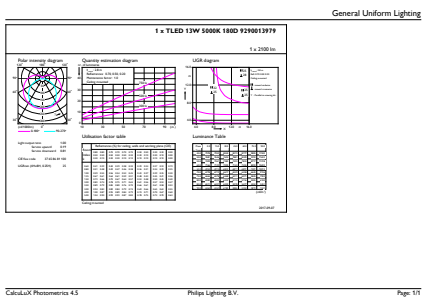


Product	D1	D2	A1	A2	A3
13T8/MAS/48-850/IF21/P/DIM 10/1	25.7 mm	26.3 mm	1,198.1 mm	1,205.2 mm	1,212.3 mm

Photometric data



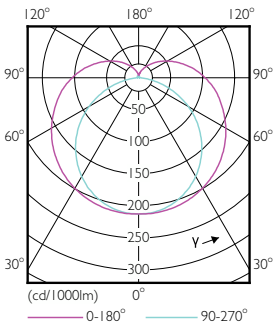
Spectral Power Distribution Colour - 13T8/MAS/48-850/IF21/P/DIM 10/1



General uniform lighting - 13T8/MAS/48-850/IF21/P/DIM 10/1

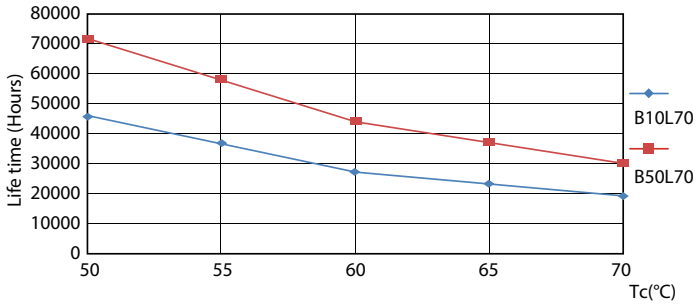
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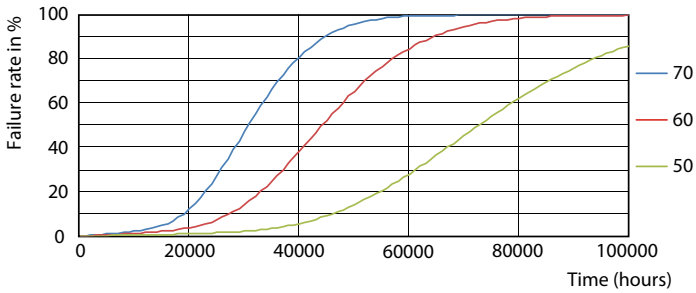


Light Distribution Diagram - 13T8/MAS/48-850/IF21/P/DIM 10/1

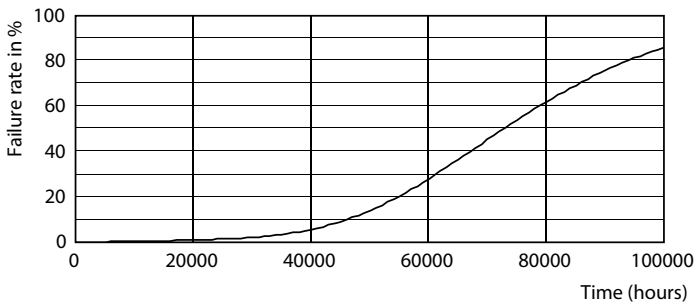
Lifetime



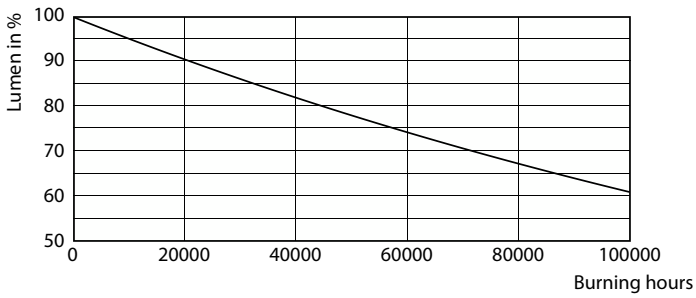
LEDtube 13W G13 2100lm



LEDtube 13W G13 2100lm



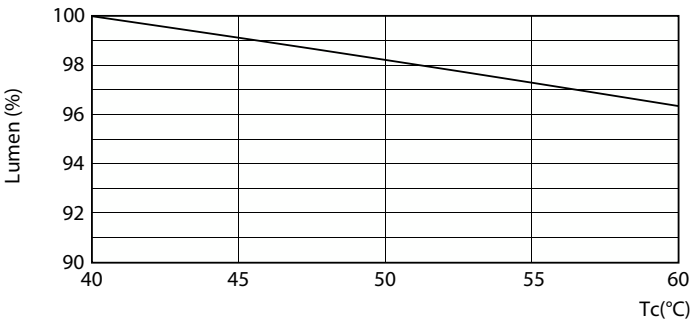
LEDtube 13W G13 2100lm



Lumen Maintenance Diagram - 13T8/MAS/48-850/IF21/P/DIM 10/1

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Lifetime



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