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13T8/MAS/48-840/IF21/P/DIM 10/1

Our TLEDs are available in InstantFit (Type A / Type C) or MainsFit (Ballast bypass / Type B) versions. The InstantFit lamps work on a broad variety of ballasts and LED drivers. Only InstantFit has over 15,000 lamp & ballast combinations delivering even light output, energy savings and a long lifetime. Our MainsFit products feature a double-ended design, simplifying installation while a proprietary safety circuit minimizes a shock risk. Lamp sizes range from 2-foot to 8-foot and U-bend with a variety of lumen outputs.

Product data

General Information	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]
EU RoHS compliant	Yes
Nominal lifetime	70,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
Brand	Philips
Light Technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	180 degree(s)
Luminous Flux	2,100 lumen
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	161 lm/W
Color Consistency	<6
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
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

Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	104 °F

Controls and Dimming	
Dimmable	Only with specific dimmers

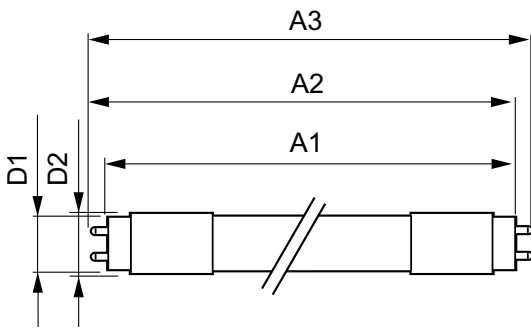
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	47-1/4 inch

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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
Energy Certifications	DLC Standard
Product Data	
Order product name	13T8/MAS/48-840/IF21/P/DIM 10/1

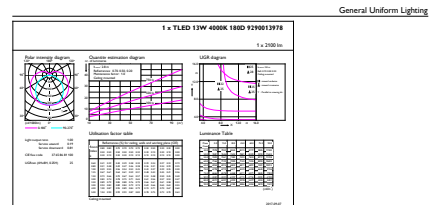
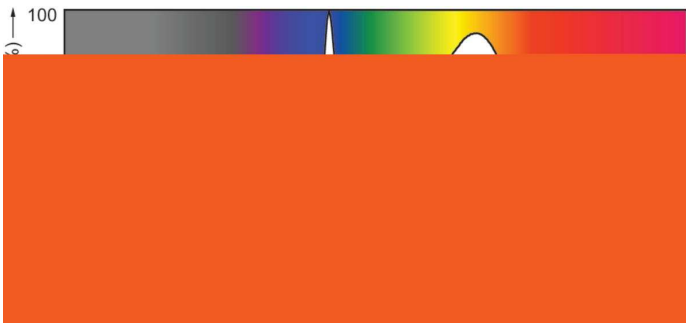
Order code	473942
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material number (12NC)	929001397834
Net weight	0.165 kg
Full product name	13T8/MAS/48-840/IF21/P/DIM 10/1
EAN/UPC - Case	50046677473940

Dimensional drawing



Product	D1	D2	A1	A2	A3
13T8/MAS/48-840/IF21/P/DIM 10/1	25.7 mm	26.3 mm	1,198.1 mm	1,205.2 mm	1,212.3 mm

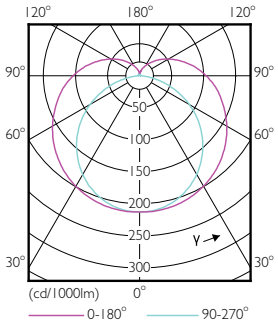
Photometric data



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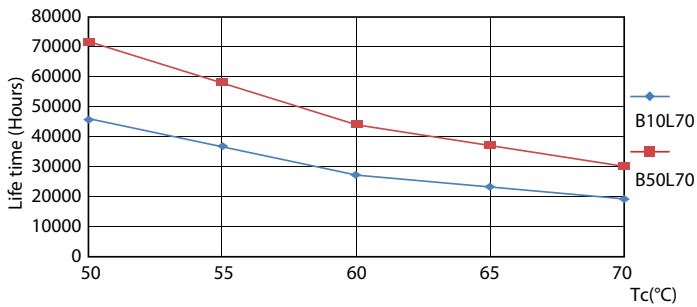
Spectral Power Distribution Colour - 13T8/MAS/48-840/IF21/P/DIM 10/1

Photometric data

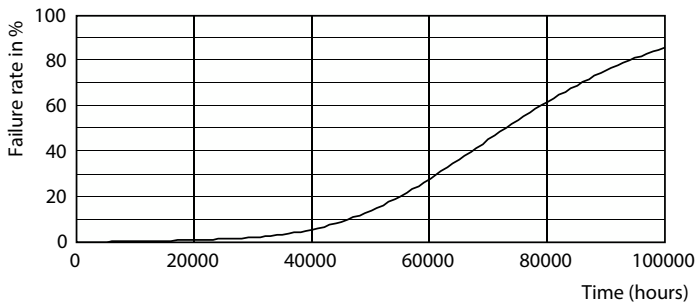


Light Distribution Diagram - 13T8/MAS/48-840/IF21/P/DIM 10/1

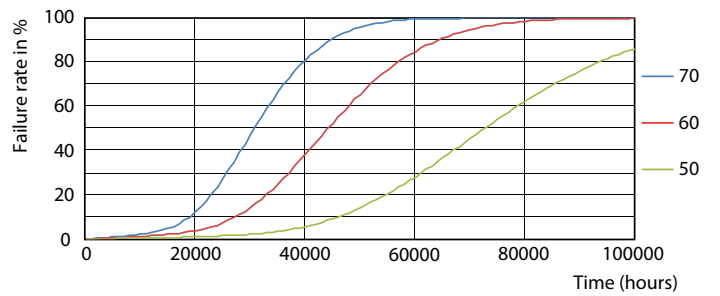
Lifetime



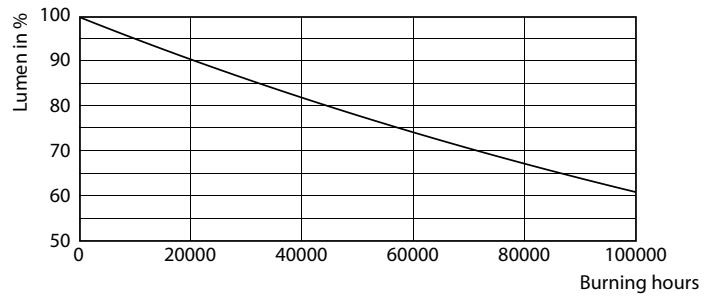
Life Expectancy Diagram - 13T8/MAS/48-840/IF21/P/DIM 10/1



Life Expectancy Diagram - 13T8/MAS/48-840/IF21/P/DIM 10/1



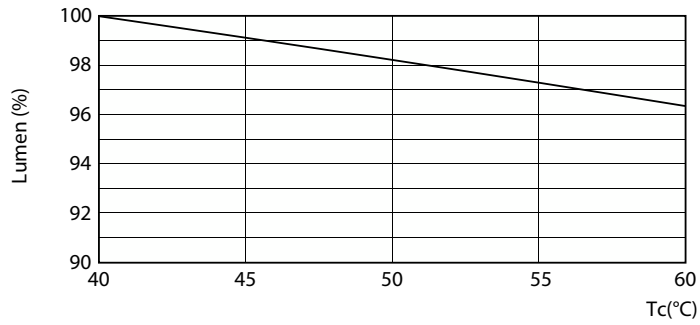
Life Expectancy Diagram - 13T8/MAS/48-840/IF21/P/DIM 10/1



Lumen Maintenance Diagram - 13T8/MAS/48-840/IF21/P/DIM 10/1

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Lifetime



Lumen Maintenance Diagram - 13T8/MAS/48-840/IF21/P/DIM 10/1

