PHILIPS

Lighting

MasterClass LEDtube InstantFit T8

13.5T8PER/48-840/IF22/P/DIM CAN 10/1

The MasterClass InstantFit TLED is a great LED solution suitable for replacing T8 fluorescent lamps, using the existing ballast. MasterClass TLEDs feature a shatter-resistant polycarbonate construction, 70,000 hour life and a standard 7-year limited warranty. When maximum energy savings and long life are needed, Philips MasterClass TLED are the solution.

Product data

General Information	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]
Nominal lifetime	70,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
EU RoHS compliant	Yes

Light Technical	
Color Code	840 [CCT of 4000K]
Luminous Flux	2,200 lm
Correlated Color Temperature (Nom)	4000 K
Color Consistency	<6
Color rendering index (CRI)	82
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and Electrical	
Line Frequency	20000-120000 Hz
Input Frequency	20000-120000 Hz
Power Consumption	13.5 W
Lamp Current (Max)	400 mA
Lamp Current (Min)	130 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	120-277V; 347 V

Temperature	
Ambient temperature range	-4 °F to 113 °F
T-Case Maximum (Nom)	122 °F

Controls and Dimming	
Dimmable	No

Mechanical and Housing	
Product Length	47-1/4 inch

Approval and Application	
Energy Saving Product	Yes

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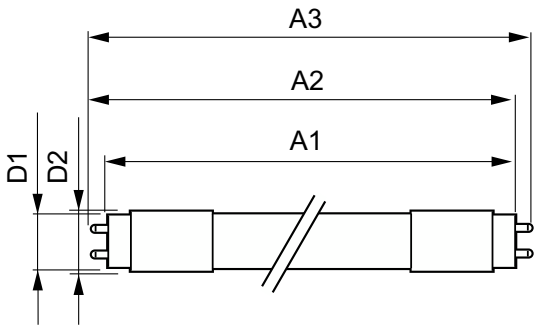
Approval Marks	UL certificate RoHS compliance DLC compliance

Material Nr. (12NC)	929001397824
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677533724
Numerator - Packs per outer box	10
EAN/UPC - Case	50046677533729

Product Data

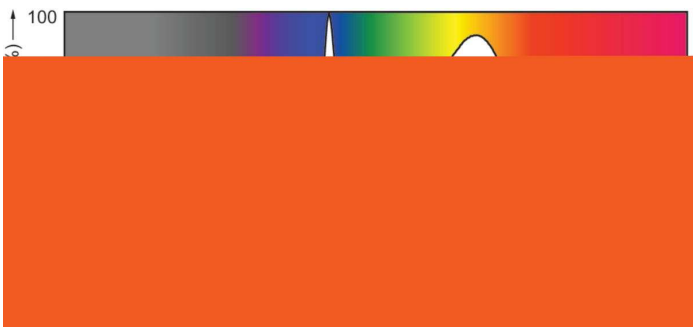
Order product name	13.5T8PER/48-840/IF22/P/DIM CAN 10/1
Full product name	13.5T8PER/48-840/IF22/P/DIM CAN 10/1
Order code	533729

Dimensional drawing

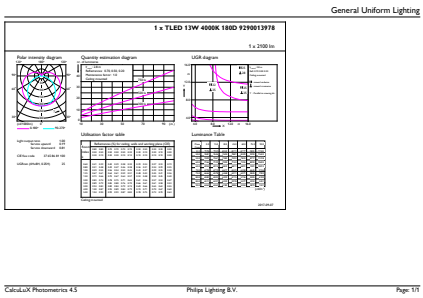


Product	D1	D2	A1	A2	A3
13.5T8PER/48-840/ IF22/P/DIM CAN 10/1	1-1/16 inch	1-1/16 inch	47-3/16 inch	47-1/2 inch	47-3/4 inch

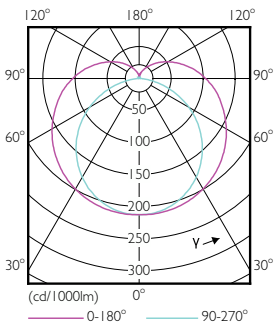
Photometric data



Spectral Power Distribution Colour - 13.5T8PER/48-840/IF22/P/DIM CAN 10/1

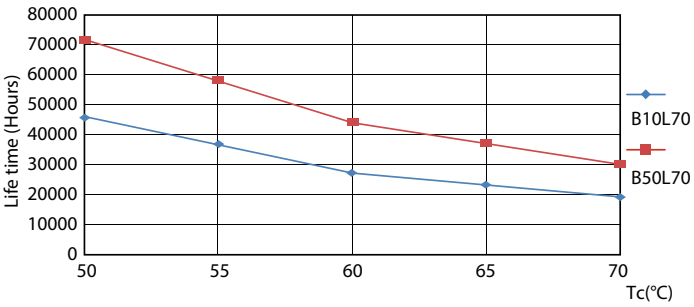


General uniform lighting - 13.5T8PER/48-840/IF22/P/DIM CAN 10/1

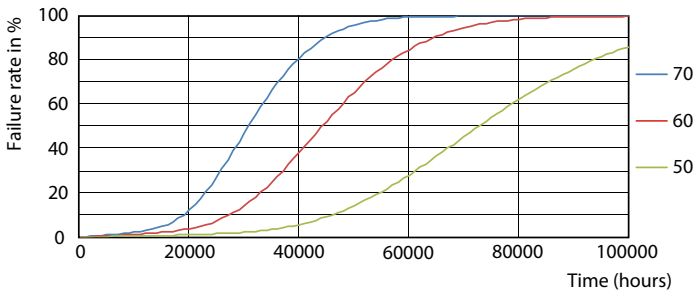


Light Distribution Diagram - 13.5T8PER/48-840/IF22/P/DIM CAN 10/1

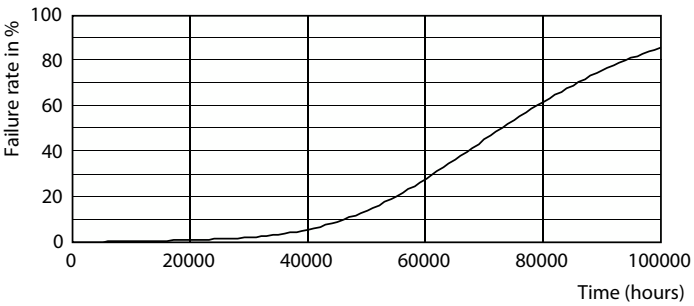
Lifetime



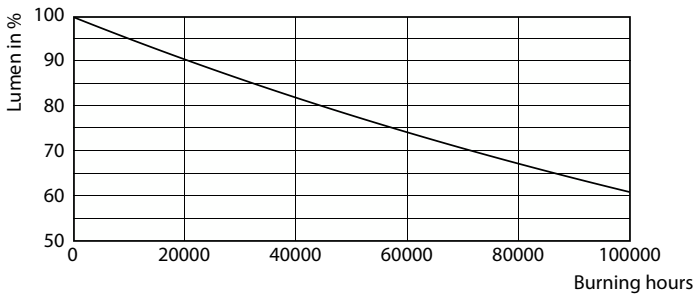
Life Expectancy Diagram - 13.5T8PER/48-840/IF22/P/DIM CAN 10/1



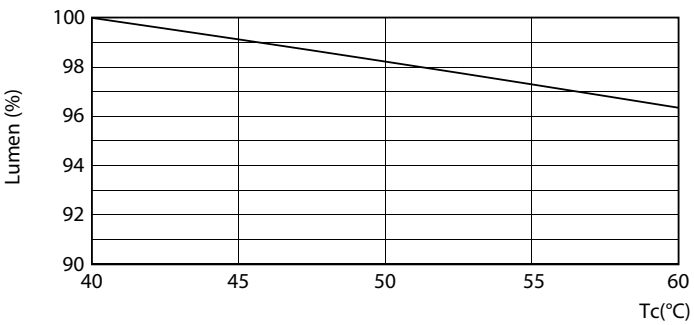
Life Expectancy Diagram - 13.5T8PER/48-840/IF22/P/DIM CAN 10/1



Life Expectancy Diagram - 13.5T8PER/48-840/IF22/P/DIM CAN 10/1



Lumen Maintenance Diagram - 13.5T8PER/48-840/IF22/P/DIM CAN 10/1



Lumen Maintenance Diagram - 13.5T8PER/48-840/IF22/P/DIM CAN 10/1

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2023, November 12 - data subject to change