

MasterConnect T8

14T8/48-835/IF20/MC IA 10/1

MasterConnect, LEDtube, T8, 47-1/4 inch, 14 W, 3500 K, 2000 lm, 70000 hour(s)

MasterConnect, LEDtube, T8, 47-1/4 inch, 14 W, 3500 K, 2000 lm, 70000 hour(s), 142.00 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	835 [CCT of 3500K]
Beam Angle (Nom)	160 degree(s)
Luminous Flux	2,000 lm
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3500 K
Luminous Efficacy (rated) (Nom)	142.00 lm/W
Color Consistency	<6
Color rendering index (CRI)	82
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Line Frequency	28K to 100K Hz
Input Frequency	28K to 100K Hz
Power Consumption	14 W

Lamp Current (Max)	380 mA
Lamp Current (Min)	120 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)	100-380 V
UL Type	UL Type A
Temperature	
T-Case Maximum (Nom)	104 °F
Controls and Dimming	
Dimmable	Wireless Dim
Connectivity	Interact Ready
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	47-1/4 inch
Bulb Shape	T8

MasterConnect T8

Net Weight (Piece)	0.485 lb
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Approval and Application

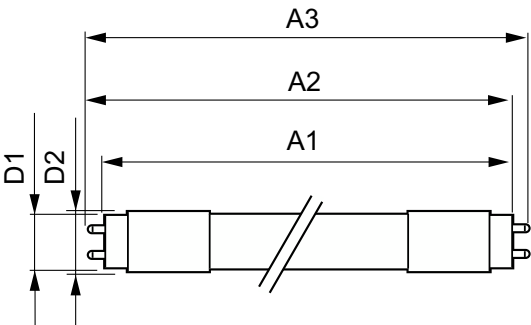
Energy Saving Product	Yes
Approval Marks	RoHS compliance UL certificate DLC compliance
EU RoHS compliant	Yes
Ambient temperature range	-4 °F to 113 °F

Application Conditions

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

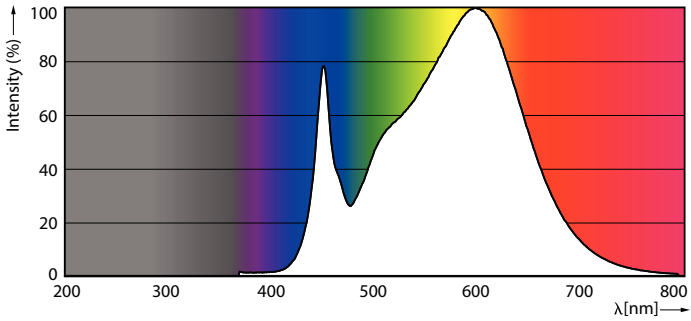
Product Data	
Order product name	14T8/48-835/IF20/MC IA 10/1
Full product name	14T8/48-835/IF20/MC IA 10/1
Order code	547299
Material Nr. (12NC)	929002051804
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677547295
Numerator - Packs per outer box	10
EAN/UPC - Case	50046677547290

Dimensional drawing

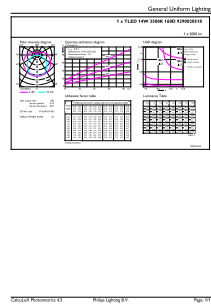


Product	D1	D2	A1	A2	A3
14T8/48-835/IF20/MC IA 10/1	1-1/16 inch	1-1/16 inch	47-3/16 inch	47-1/2 inch	47-3/4 inch

Photometric data

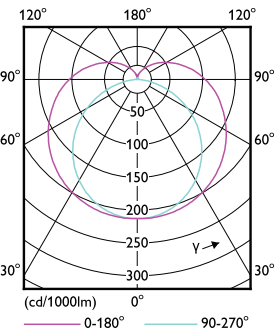


Spectral Power Distribution Colour - 14T8/48-835/IF20/MC IA 10/1



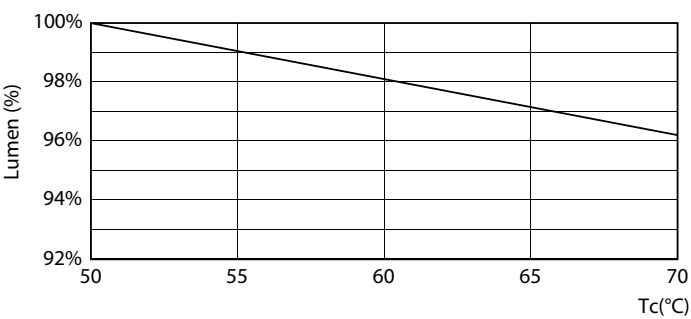
General uniform lighting - 14T8/48-835/IF20/MC IA 10/1

Photometric data

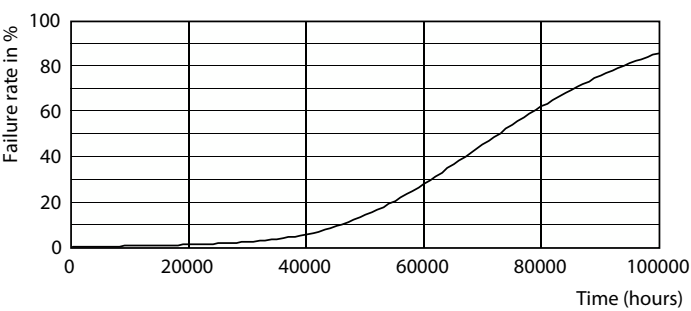


Light Distribution Diagram - 14T8/48-835/IF20/MC IA 10/1

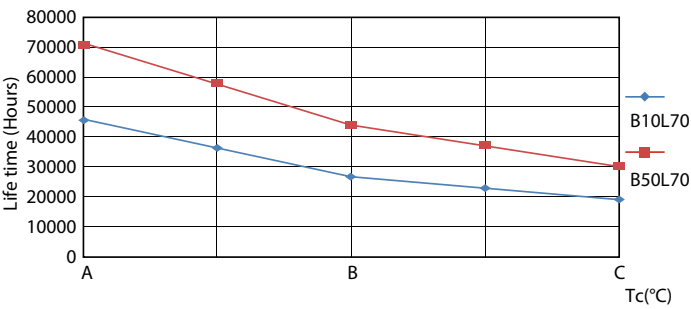
Lifetime



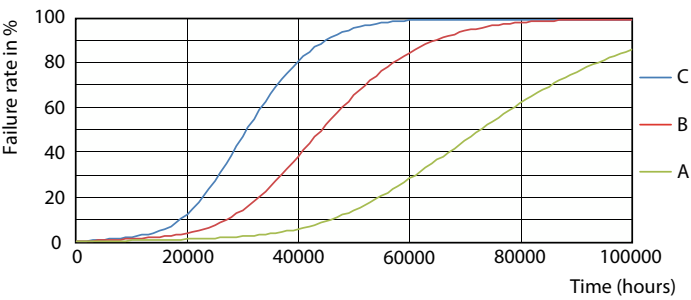
Lumen Maintenance Diagram - 14T8/48-835/IF20/MC IA 10/1



Life Expectancy Diagram



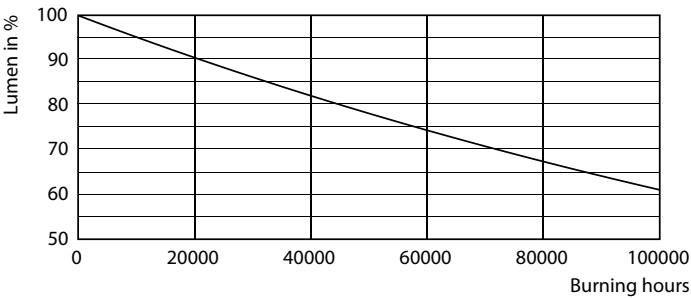
LEDtube_70K_LifetimeVsTc-LED



LEDtube_70K_FailureRate-LED

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Lifetime



Lumen Maintenance Diagram - 14T8/48-835/IF20/MC IA 10/1

