



## 14T8/48-835/IF20/VLC 10/1

Philips specialty LEDtube integrates a LED light source into a traditional fluorescent form factor. This product is the ideal solution for relamping to serve multi-purpose usage: it meets general lighting requirements, offers significant energy savings, and special function such as Visible Light Communication.

#### **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	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	20000-120000 Hz			
Input Frequency	20000-120000 Hz			
Power Consumption	14 W			
Lamp Current (Max)	400 mA			

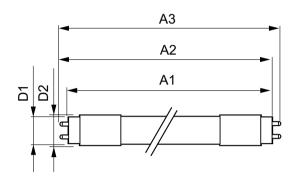
Lamp Current (Min)	130 mA			
Starting Time (Nom)	0.5 s			
Warm-up time to 60% light	0.5 s			
Power Factor (Fraction)	0.9			
Voltage (Nom)	120-277, 347 V			
Temperature				
Ambient temperature range	-4 °F to 113 °F			
T-Case Maximum (Nom)	122 °F			
Controls and Dimming				
Dimmable	No			
Mechanical and Housing				
Product Length	47-1/4 inch			
Bulb Shape	T8			
Approval and Application				
Energy Saving Product	Yes			
Approval Marks	UL certificate RoHS compliance DLC			
	compliance			
Energy Consumption kWh/1000 h	- kWh			

Datasheet, 2023, November 12 data subject to change

Product Data				
Order product name	14T8/48-835/IF20/VLC 10/1			
Full product name	14T8/48-835/IF20/VLC 10/1			
Order code	529981			
Material Nr. (12NC)	929001870104			
Numerator - Quantity Per Pack	1			

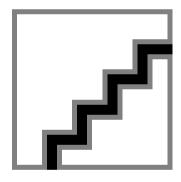
EAN/UPC - Product/Case	046677529987	
Numerator - Packs per outer box	10	
EAN/UPC - Case	50046677529982	

### Dimensional drawing



Product	D1	D2	A1	A2	А3
14T8/48-835/IF20/VLC	1-1/16 inch	1-1/16 inch	47-3/16 inch	47-1/2 inch	47-3/4 inch
10/1					

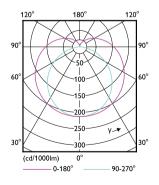
#### Photometric data





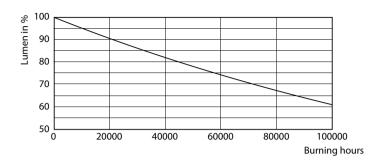
Spectral Power Distribution Colour - 14T8/48-835/IF20/VLC 10/1

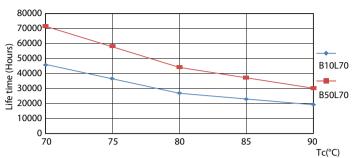
General uniform lighting - 14T8/48-835/IF20/VLC 10/1



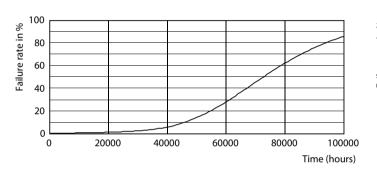
Light Distribution Diagram - 14T8/48-835/IF20/VLC 10/1

#### Lifetime

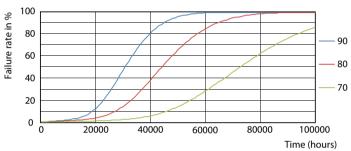




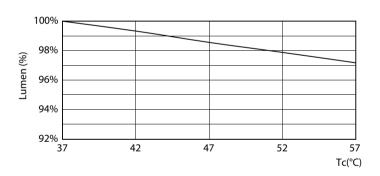
Lumen Maintenance Diagram - 14T8/48-835/IF20/VLC 10/1



#### Life Expectancy Diagram - 14T8/48-835/IF20/VLC 10/1



Life Expectancy Diagram - 14T8/48-835/IF20/VLC 10/1



Life Expectancy Diagram - 14T8/48-835/IF20/VLC 10/1

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



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