

# Specialty LEDtube

## 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.

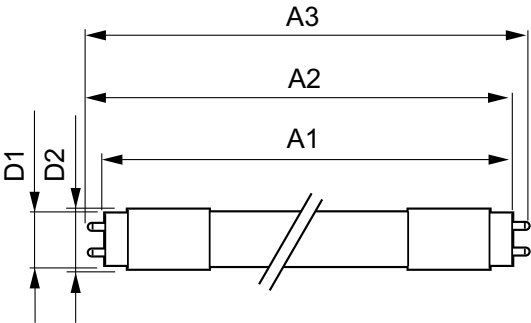
### Product data

<b>General Information</b>		<b>Temperature</b>	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]	Lamp Current (Min)	130 mA
Nominal lifetime	70,000 hour(s)	Starting Time (Nom)	0.5 s
Switching Cycle	50,000	Warm-up time to 60% light	0.5 s
Lighting Technology	LED	Power Factor (Fraction)	0.9
EU RoHS compliant	Yes	Voltage (Nom)	120-277, 347 V
<b>Light Technical</b>		<b>Controls and Dimming</b>	
Color Code	835 [CCT of 3500K]	Dimmable	No
Beam Angle (Nom)	160 degree(s)	<b>Mechanical and Housing</b>	
Luminous Flux	2,000 lm	Product Length	47-1/4 inch
Color Designation	White (WH)	Bulb Shape	T8
Correlated Color Temperature (Nom)	3500 K	<b>Approval and Application</b>	
Luminous Efficacy (rated) (Nom)	142.00 lm/W	Energy Saving Product	Yes
Color Consistency	<6	Approval Marks	UL certificate RoHS compliance DLC compliance
Color rendering index (CRI)	82	Energy Consumption kWh/1000 h	- kWh
LLMF At End Of Nominal Lifetime (Nom)	70 %		
<b>Operating and Electrical</b>			
Line Frequency	20000-120000 Hz		
Input Frequency	20000-120000 Hz		
Power Consumption	14 W		
Lamp Current (Max)	400 mA		

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

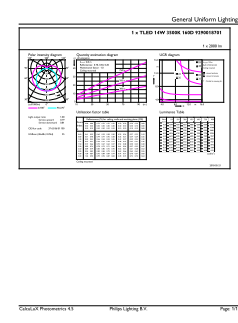
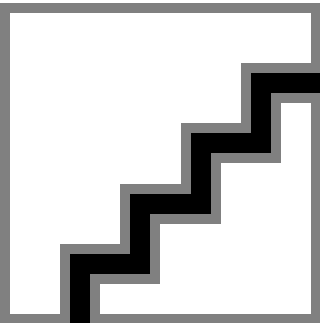
EAN/UPC - Product/Case	046677529987
Numerator - Packs per outer box	10
EAN/UPC - Case	50046677529982

Dimensional drawing



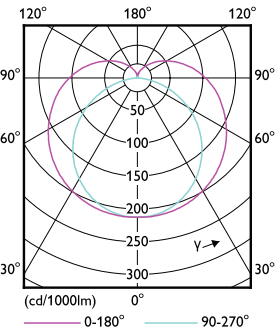
Product	D1	D2	A1	A2	A3
14T8/48-835/IF20/VLC 10/1	1-1/16 inch	1-1/16 inch	47-3/16 inch	47-1/2 inch	47-3/4 inch

Photometric data



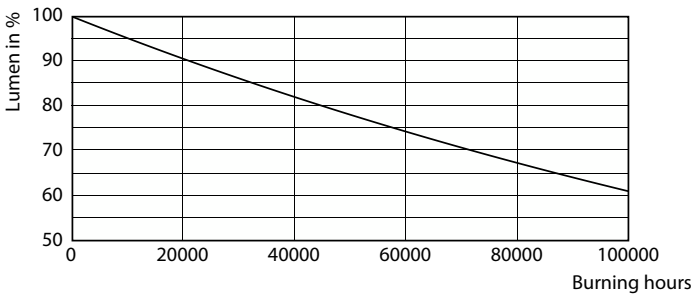
Spectral Power Distribution Colour - 14T8/48-835/IF20/VLC 10/1

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

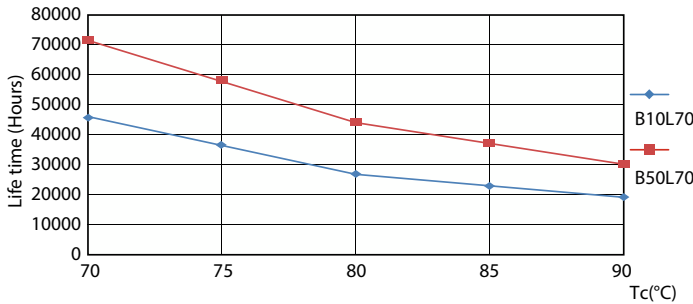


Light Distribution Diagram - 14T8/48-835/IF20/VLC 10/1

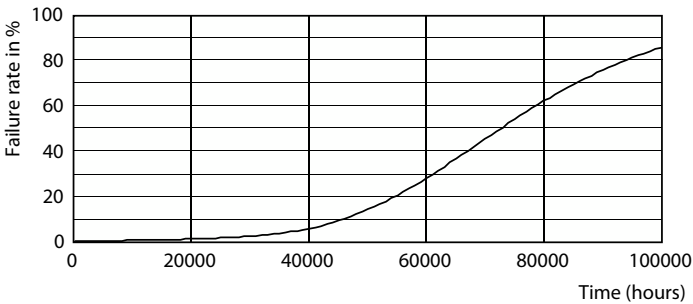
Lifetime



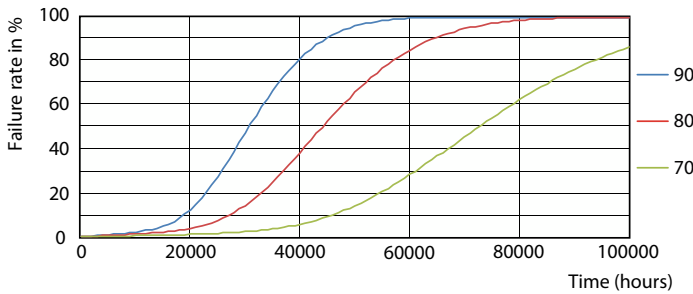
Lumen Maintenance Diagram - 14T8/48-835/IF20/VLC 10/1



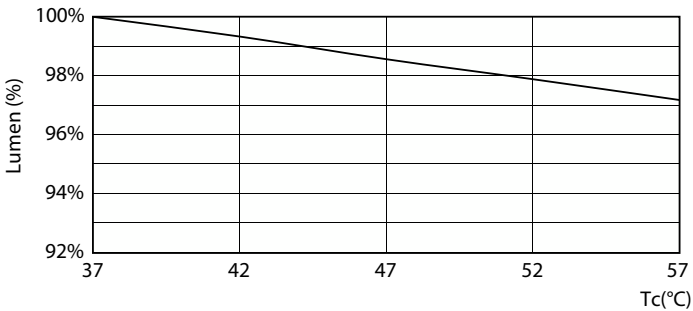
Life Expectancy Diagram - 14T8/48-835/IF20/VLC 10/1



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