PHILIPS

Lighting



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

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	-20 °C to 45 °C
T-Case Maximum (Nom)	50 °C

Controls and Dimming	
Dimmable	No

Mechanical and Housing	
Product Length	1,200 mm
Bulb Shape	T8

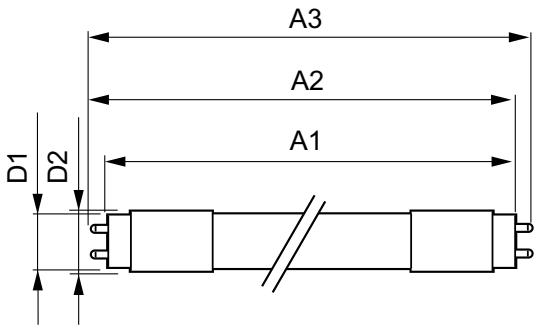
Approval and Application	
Energy Saving Product	Yes
Approval Marks	UL certificate RoHS compliance DLC compliance
Energy Consumption kWh/1000 h	- kWh

Specialty LEDtube

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

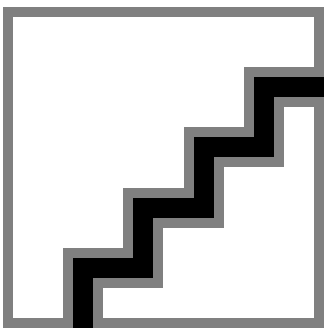
EAN/UPC - Product/Case	046677529987
Numerator - Packs per outer box	10
EAN/UPC - Case	50046677529982

Dimensional drawing

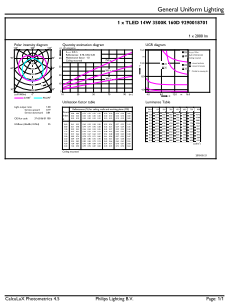


Product	D1	D2	A1	A2	A3
14T8/48-835/IF20/VLC 10/1	25.7 mm	26.3 mm	1,198.1 mm	1,205.2 mm	1,212.3 mm

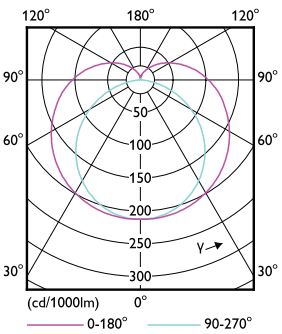
Photometric data



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

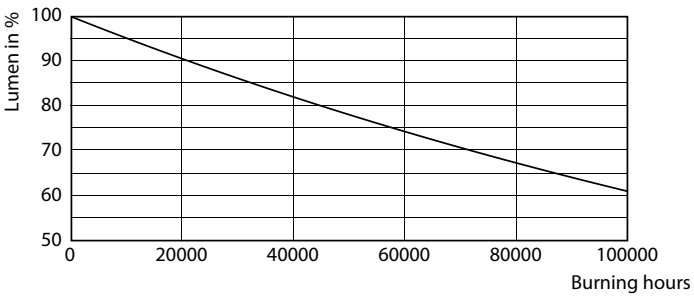


General uniform lighting - 14T8/48-835/IF20/VLC 10/1

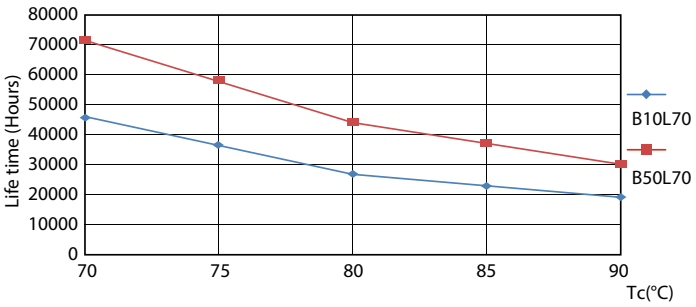


Light Distribution Diagram - 14T8/48-835/IF20/VLC 10/1

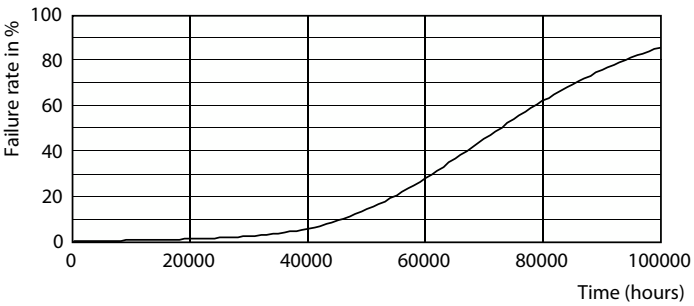
Lifetime



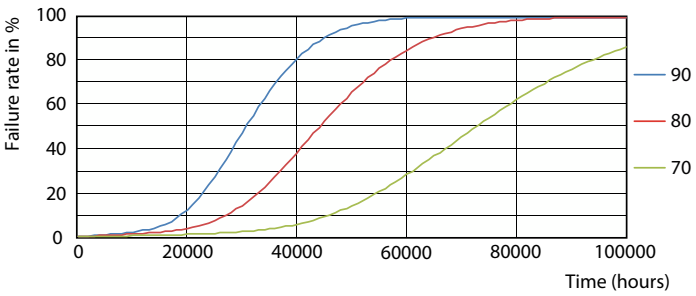
Lumen Maintenance Diagram - 14T8/48-835/IF20/VLC 10/1



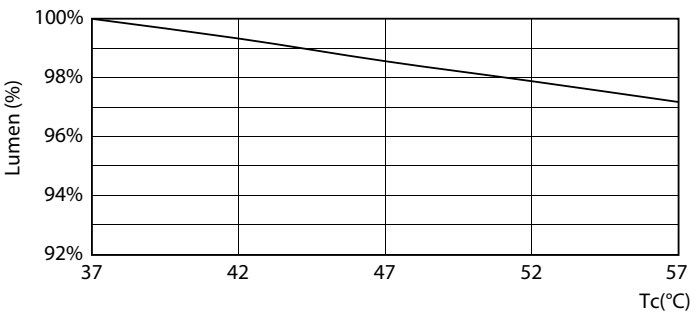
Life Expectancy Diagram - 14T8/48-835/IF20/VLC 10/1



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



© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.