



## 14T8/48-840/IF21/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	840 [CCT of 4000K]				
Beam Angle (Nom)	160 degree(s)				
Luminous Flux	2,100 lm				
Color Designation	Cool White (CW)				
Correlated Color Temperature (Nom)	4000 K				
Luminous Efficacy (rated) (Nom)	150.00 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	Tube, double-ended				
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

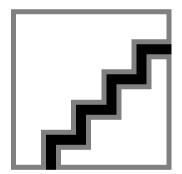
Product Data			
Order product name	14T8/48-840/IF21/VLC 10/1		
Full product name	14T8/48-840/IF21/VLC 10/1		
Order code	929001870204		
Material Nr. (12NC)	929001870204		
Numerator - Quantity Per Pack	1		

EAN/UPC - Product/Case	046677529994
Numerator - Packs per outer box	10
EAN/UPC - Case	50046677529999

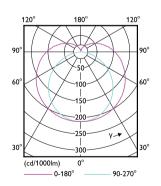
## Dimensional drawing

Product	D1	D2	A1	A2	A3
14T8/48-840/IF21/VLC 10/1	25.7 mm	26 3 mm	1 198 1 mm	1205 2 mm	1 212 3 mm

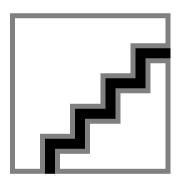
### Photometric data



General uniform lighting - 14T8/48-840/IF21/VLC 10/1

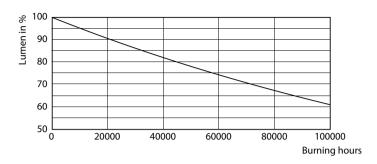


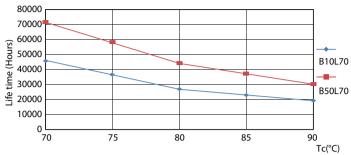
Light Distribution Diagram - 14T8/48-840/IF21/VLC 10/1



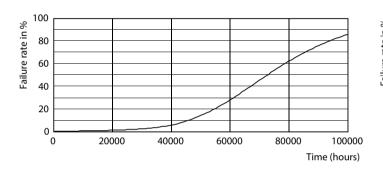
Spectral Power Distribution Colour - 14T8/48-840/IF21/VLC 10/1

### Lifetime

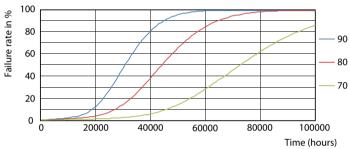




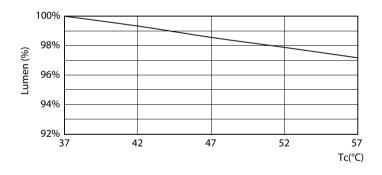
#### Lumen Maintenance Diagram - 14T8/48-840/IF21/VLC 10/1



#### Life Expectancy Diagram - 14T8/48-840/IF21/VLC 10/1



Life Expectancy Diagram - 14T8/48-840/IF21/VLC 10/1



Life Expectancy Diagram - 14T8/48-840/IF21/VLC 10/1

Lumen Maintenance Diagram - 14T8/48-840/IF21/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.