



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	n) 70 %				
Operating and Electrical					
Line Frequency	20000-120000 Hz				
Input Frequency	20000-120000 Hz				
Power Consumption	14 W				
Lamp Current (Max)	400 mA				

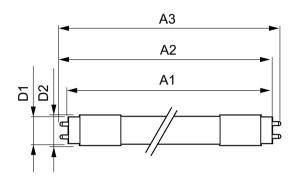
Lamp Current (Min)	130 mA				
Starting Time (Nom)	0.5 s				
Warm-up time to 60% light	0.5 s				
Power Factor (Fraction)	0.9				
Voltage (Nom)	120-277, 347 V				
Temperature					
Ambient temperature range	-20 °C to 45 °C				
T-Case Maximum (Nom)	50 ℃				
Controls and Dimming					
Dimmable	No				
Mechanical 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, May 15 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	529999
Material Nr. (12NC)	929001870204
Numerator - Quantity Per Pack	1

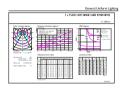
EAN/UPC - Product/Case	046677529994		
Numerator - Packs per outer box	10		
EAN/UPC - Case	50046677529999		

Dimensional drawing



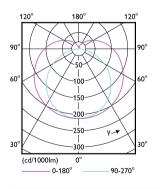
Product	D1	D2	A1	A2	A3
14T8/48-840/IF21/VLC 10/1	25.7 mm	26.3 mm	1,198.1 mm	1,205.2 mm	1,212.3 mm

Photometric data

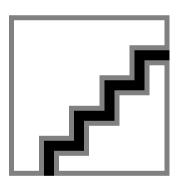




General uniform lighting - 14T8/48-840/IF21/VLC 10/1

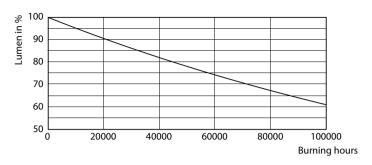


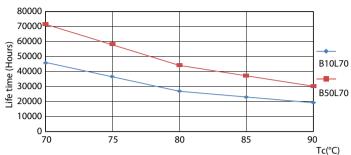
Light Distribution Diagram - 14T8/48-840/IF21/VLC 10/1



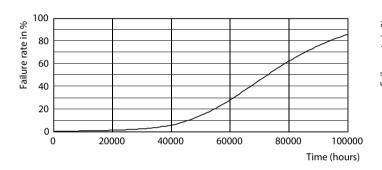
Spectral Power Distribution Colour - 14T8/48-840/IF21/VLC 10/1

Lifetime

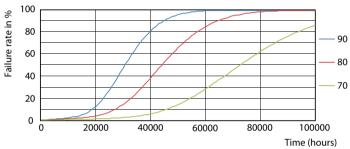




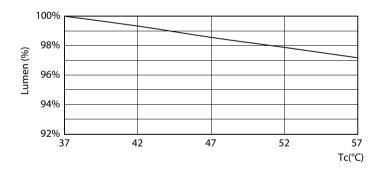
Lumen Maintenance Diagram - 14T8/48-840/IF21/VLC 10/1



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



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