PHILIPS

Lighting



CorePro LEDtube InstantFit T8

14T8 PRO LED/48-4000 IF G 10/1

The CorePro LED Type A - Ballast Driven (Plug and Play) InstantFit TLED is a great LED solutionsuitable for replacing T8 fluorescent lamps, using an exisiting ballast. Specific lamps can also be used on Philips Xitanium driver for Type C applications.

Product data

General Information	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]
Nominal lifetime	50,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
EU RoHS compliant	Yes

Light Technical	
Color Code	840 [CCT of 4000K]
Luminous Flux	2,100 lm
Correlated Color Temperature (Nom)	4000 K
Color Consistency	<6
Color rendering index (CRI)	80
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)	260 mA
Lamp Current (Min)	80 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

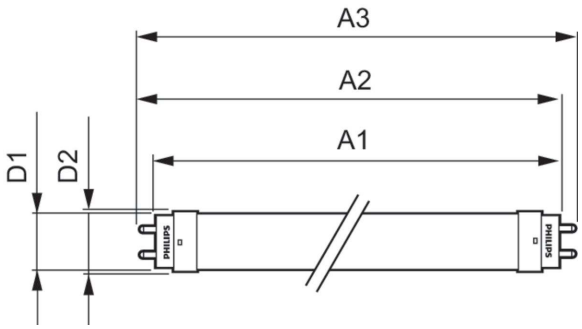
Approval and Application	
Energy Saving Product	Yes
Approval Marks	UL certificate RoHS compliance DLC compliance

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Product Data	
Order product name	14T8 PRO LED/48-4000 IF G 10/1
Full product name	14T8 PRO LED/48-4000 IF G 10/1
Order code	470112
Material Nr. (12NC)	929001343204
Numerator - Quantity Per Pack	1

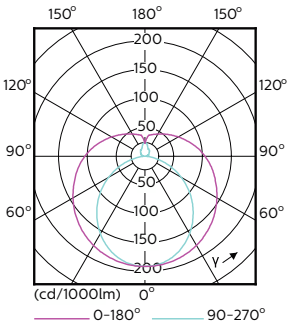
EAN/UPC - Product/Case	046677453251
Numerator - Packs per outer box	10
EAN/UPC - Case	50046677470116

Dimensional drawing

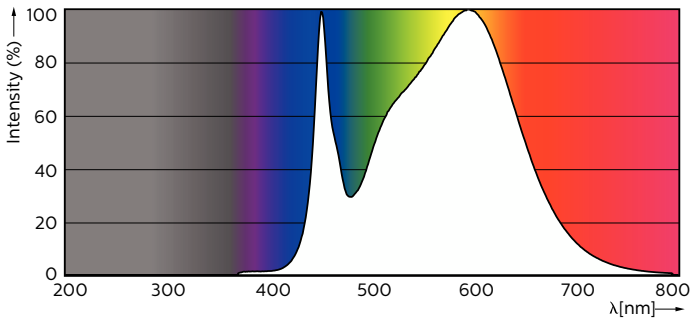


Product	D1	D2	A1	A2	A3
14T8 PRO LED/48-4000 IF G 10/1	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm

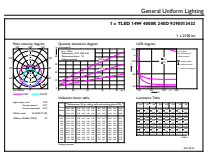
Photometric data



Light Distribution Diagram - 14T8 PRO LED/48-4000 IF G 10/1

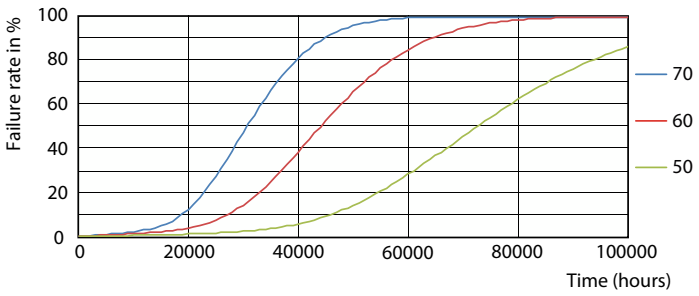


Spectral Power Distribution Colour - 14T8 PRO LED/48-4000 IF G 10/1

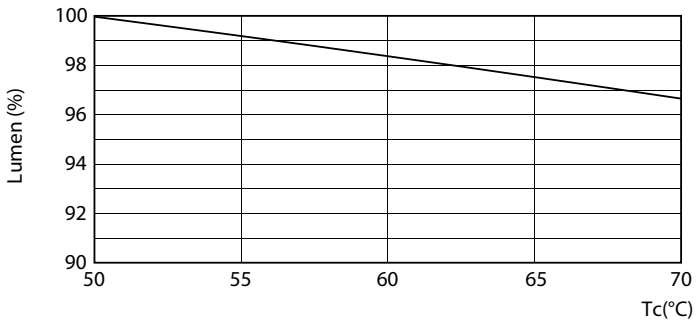


General uniform lighting - 14T8 PRO LED/48-4000 IF G 10/1

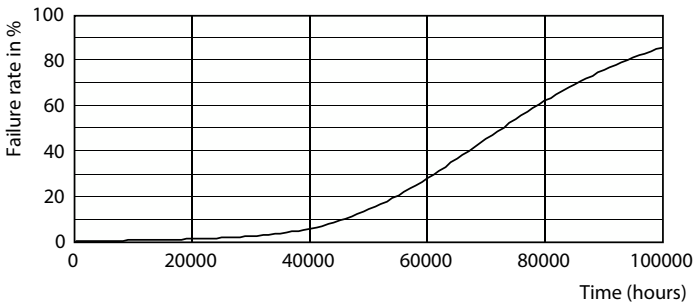
Lifetime



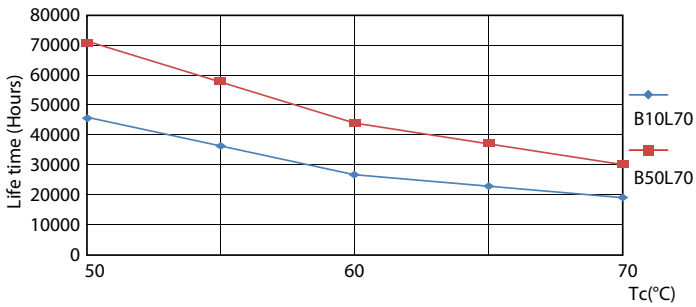
Life Expectancy Diagram - 14T8 PRO LED/48-4000 IF G 10/1



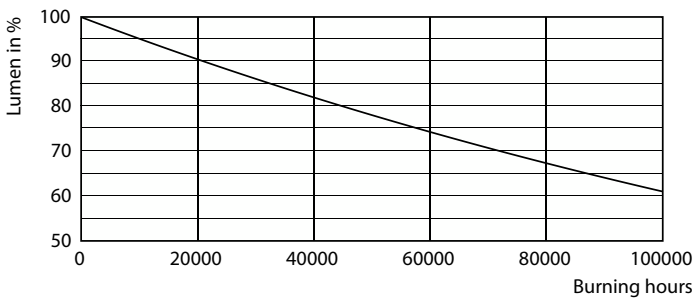
Lumen Maintenance Diagram - 14T8 PRO LED/48-4000 IF G 10/1



Life Expectancy Diagram - 14T8 PRO LED/48-4000 IF G 10/1



Life Expectancy Diagram - 14T8 PRO LED/48-4000 IF G 10/1



Lumen Maintenance Diagram - 14T8 PRO LED/48-4000 IF G 10/1

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2023, April 29 - data subject to change