

**14.5T8/COR/48-850/
MF21/G/DIM 25/1**

929003524904



CorePro, LEDtube, T8, 1200 mm, 14.5 W, 5000 K, 2100 lm, 50000 hour(s)

CorePro, LEDtube, T8, 1200 mm, 14.5 W, 5000 K, 2100 lm, 50000 hour(s), 144.00 lm/W, G13, Glass

General Information

Cap-Base	G13
Nominal lifetime	50,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LEDtube

Light Technical

Color Code	850 [CCT of 5000K]
Beam Angle (Nom)	220 degree(s)
Luminous Flux	2,100 lm
Color Designation	Daylight
Correlated Color Temperature (Nom)	5000 K
Luminous Efficacy (rated) (Nom)	144.00 lm/W
Color Consistency	<5
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and Electrical

Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	14.5 W
Lamp Current (Max)	125 mA
Lamp Current (Min)	58 mA
Wattage Equivalent	32 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	120-277 V
UL Type	UL Type B

Temperature

T-Case Maximum (Nom)	70 °C
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Controls and Dimming

Dimmable	Only with specific dimmers
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Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Glass
Product Length	1,200 mm
Bulb Shape	T8
Net Weight (Piece)	0.200 kg

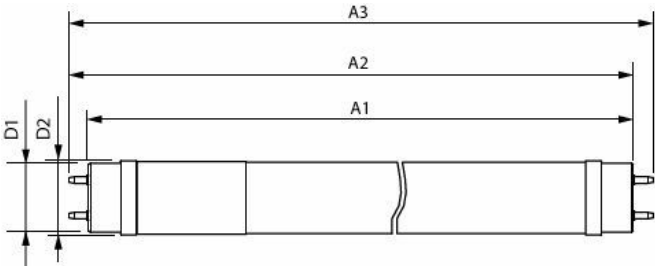
Approval and Application

Energy Saving Product	Yes
Approval Marks	RoHS compliance
EU RoHS compliant	Yes
Ambient temperature range	-20 °C to 45 °C

Application Conditions

can it be used in closed luminaires	Yes
Wireless Technology	Not applicable

Dimensional drawing



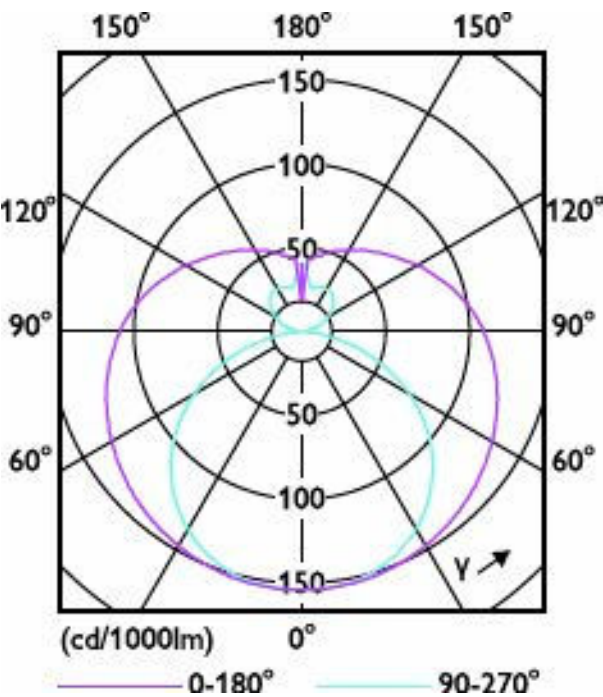
D1	D2	A1	A2	A3
25.7mm	28mm	1198.2mm	1205.3mm	1212.4mm

Product Data

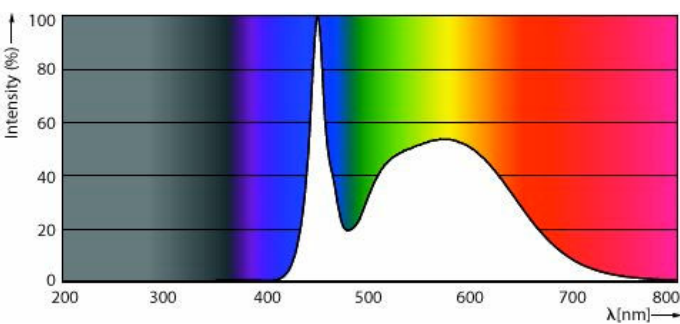
Order product name	14.5T8/COR/48-850/MF21/G/DIM 25/1
Full product name	14.5T8/COR/48-850/MF21/G/DIM 25/1
Order code	929003524904
Material Nr. (12NC)	929003524904
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677579432
Numerator - Packs per outer box	25
EAN/UPC - Case	50046677579437

Product	D1	D2	A1	A2	A3
14.5T8/COR/ 48-850/ MF21/G/DIM 25/1	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm

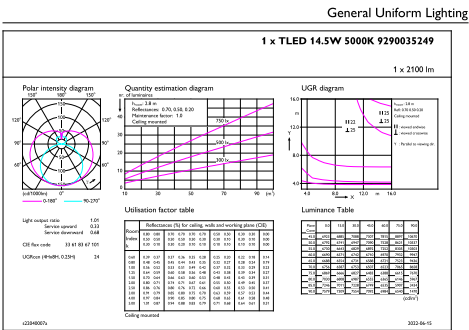
Photometric data



Light Distribution Diagram - 14.5T8/COR/48-850/MF21/G/DIM 25/1

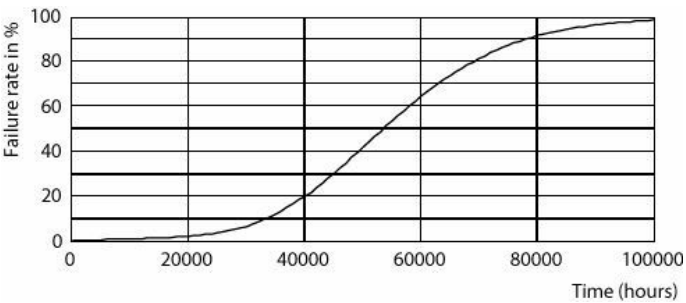


Spectral Power Distribution Colour - 14.5T8/COR/48-850/MF21/G/DIM 25/1

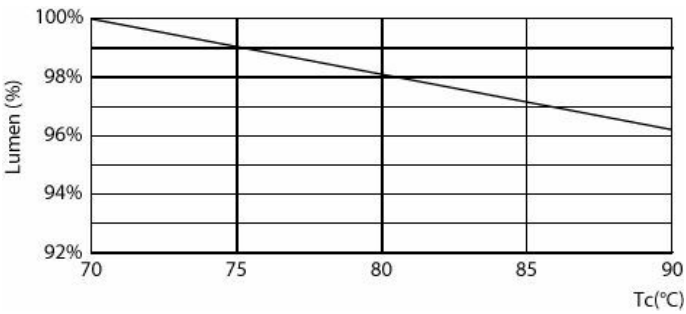


General uniform lighting - 14.5T8/COR/48-850/MF21/G/DIM 25/1

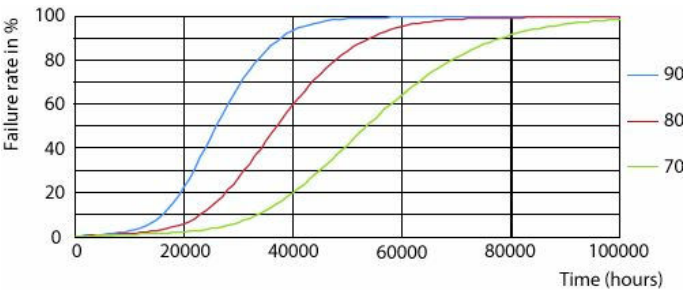
Lifetime



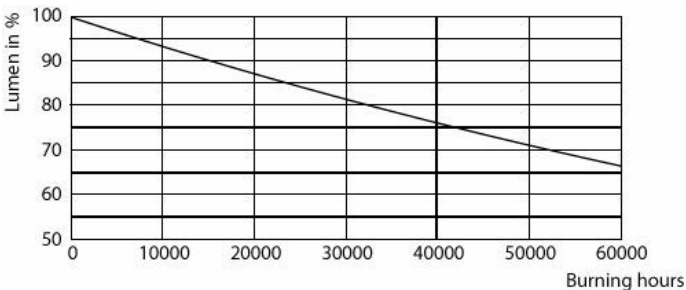
Life Expectancy Diagram



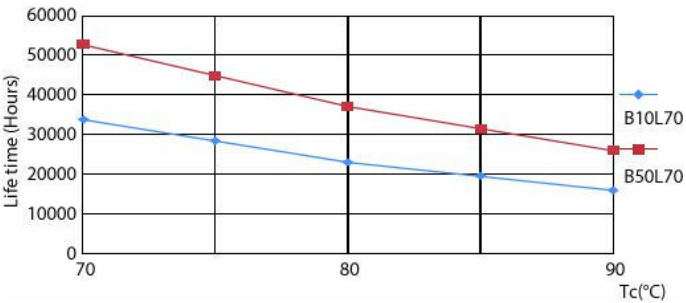
Lumen Maintenance Diagram - 14.5T8/COR/48-850/MF21/G/DIM 25/1



LEDtube 50K 7090 FailureRate-LED



Lumen Maintenance Diagram - 14.5T8/COR/48-850/MF21/G/DIM 25/1



LifetimeVsTc

Related Documents

Documents and certificates	Document Name	Download
Environmental Product Declaration	Philips-CorePro-MainsFit-UL-Type-B-T8-COMF-9434873-Ref-929003524804-EPD.pdf	Download
Installation Instructions	LEDtube-Type-B-MF-T8-2FT3FT4FT-and-U-bent-Installation-Guide-INI.pdf	Download
Photometry and lighting design	Document Name	Download
IES File	LEDtube_COR_NAM8_14,5W_G13_2100lm_850-IES.IES	Download

