



CorePro MainsFit (UL Type-B) T8

14.5T8/COR/48-840/MF21/G/DIM 25/1

CorePro, LED, T8, 14.5 W, 4000 K, 2100 lm, 50000 hour(s)

The CorePro MainsFit (UL Type B) lamps are designed to be the perfect retrofit solution to move from traditional fluorescent lamps to energy saving LEDs. This ballast bypass lamp has everything needed built into the lamp with proven energy savings, long life (up to 50k hours), surge suppression and industry leading safety features. All lamps in the CorePro MainsFit family are double-ended to help simplify the installation. In addition, all lamps meet the Philips standards for light quality so that end users will be in a comfortable environment regardless of the CorePro MainsFit lamp type.

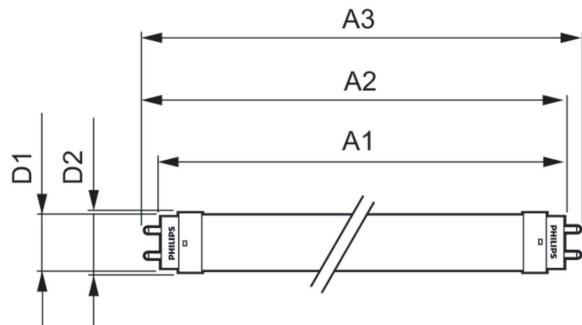
Product data

General Information		Color rendering index (CRI)	80
Cap-Base	G13 [Medium Bi-Pin Fluorescent]	LLMF At End Of Nominal Lifetime (Nom)	70 %
Nominal lifetime	50,000 hour(s)		
Switching Cycle	50,000		
Lighting Technology	LED		
Light Technical		Operating and Electrical	
Color Code	840 [CCT of 4000K]	Line Frequency	50 to 60 Hz
Beam Angle (Nom)	240 degree(s)	Input Frequency	50 to 60 Hz
Luminous Flux	2,100 lm	Power Consumption	14.5 W
Color Designation	Cool White (CW)	Lamp Current (Max)	125 mA
Correlated Color Temperature (Nom)	4000 K	Lamp Current (Min)	58 mA
Luminous Efficacy (rated) (Nom)	144.00 lm/W	Wattage Equivalent	32 W
Color Consistency	6SCDM	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

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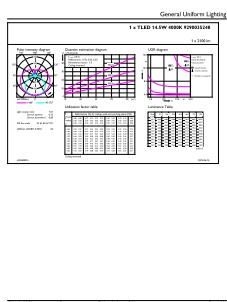
UL Type	UL Type B	EU RoHS compliant	Yes
Temperature		Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom) 70 °C			
Controls and Dimming	Only with specific dimmers	Application Conditions	
can it be used in closed luminaires Yes			
Mechanical and Housing			
Bulb Finish	Frosted	Order product name	14.5T8/COR/48-840/MF21/G/DIM 25/1
Bulb Material	Glass	Full product name	14.5T8/COR/48-840/MF21/G/DIM 25/1
Product Length	1,200 mm	Order code	929003524804
Bulb Shape	T8	Material Nr. (12NC)	929003524804
Net Weight (Piece)	0.200 kg	Numerator - Quantity Per Pack	1
Approval and Application			
Energy Saving Product	Yes	EAN/UPC - Product/Case	046677579425
Approval Marks	RoHS compliance UL certificate DLC compliance	Numerator - Packs per outer box	25

Dimensional drawing

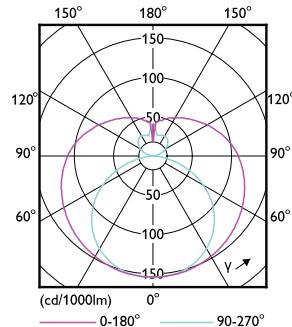


Product	D1	D2	A1	A2	A3
14.5T8/COR/48-840/MF21/G/DIM 25/1	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm

Photometric data



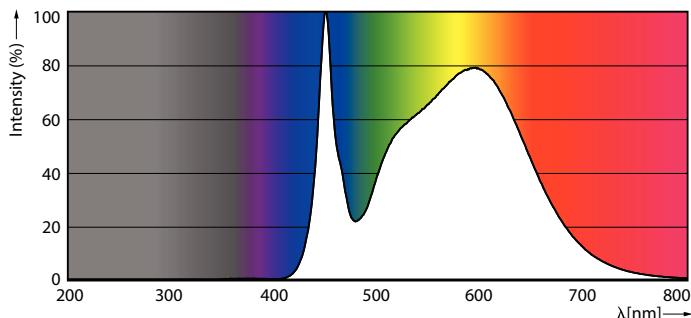
General uniform lighting - 14.5T8/COR/48-840/MF21/G/DIM 25/1



Light Distribution Diagram - 14.5T8/COR/48-840/MF21/G/DIM 25/1

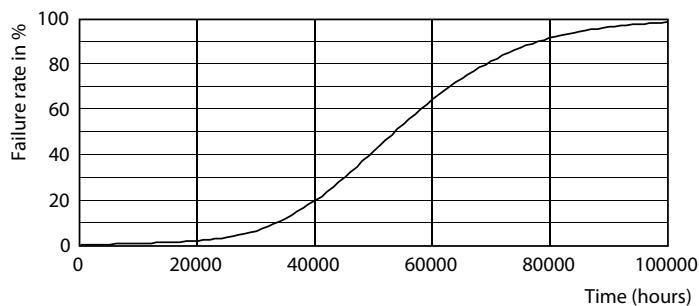
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Photometric data

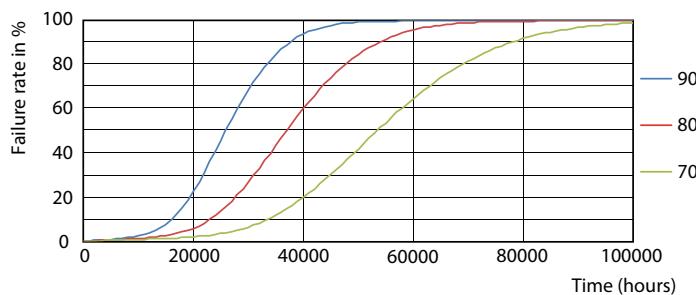
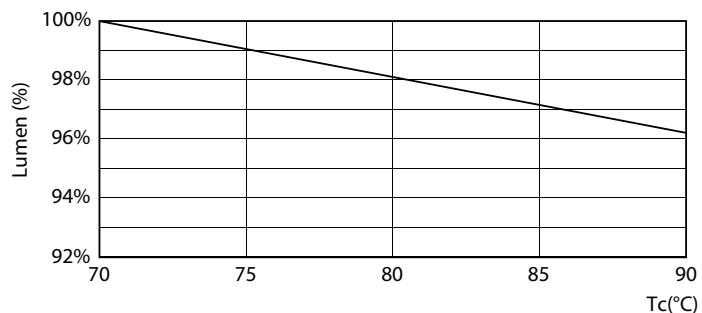


Spectral Power Distribution Colour - 14.5T8/COR/48-840/MF21/G/DIM 25/1

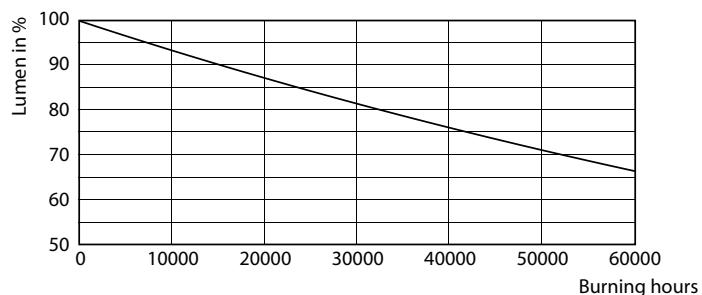
Lifetime



Life Expectancy Diagram

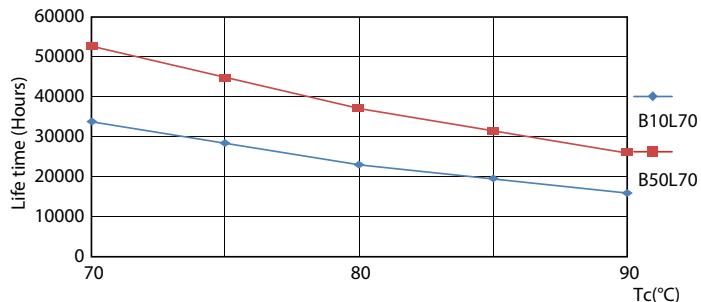


LEDtube 50K 7090 FailureRate-LED



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Lifetime



LifetimeVsTc

