



MainsFit (UL Type-B) T5

14T5HE/COR/46-850/MF21/G 25/1

The 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, surge suppression and industry leading safety features. All lamps in the 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 MainsFit lamp type.

Product data

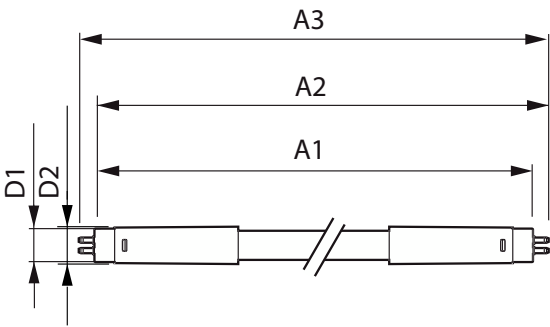
General Information		Operating and Electrical	
Cap-Base	G5	Line Frequency	50 to 60 Hz
Nominal lifetime	50,000 hour(s)	Input Frequency	50 to 60 Hz
Switching Cycle	50,000	Power Consumption	14 W
Lighting Technology	LED	Lamp Current (Max)	145 mA
Light Technical		Lamp Current (Min)	55 mA
Color Code	850 [CCT of 5000K]	Wattage Equivalent	28 W
Beam Angle (Nom)	200 degree(s)	Starting Time (Nom)	0.5 s
Luminous Flux	2,100 lm	Warm-up time to 60% light	0.5 s
Color Designation	Daylight	Power Factor (Fraction)	0.9
Correlated Color Temperature (Nom)	5000 K	Voltage (Nom)	120-277 V
Luminous Efficacy (rated) (Nom)	150.00 lm/W	UL Type	UL Type B
Color Consistency	<5	Temperature	
Color rendering index (CRI)	80	T-Case Maximum (Nom)	158 °F
LLMF At End Of Nominal Lifetime (Nom)	70 %		

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Controls and Dimming	
Dimmable	Limited
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Material	Glass
Product Length	47-1/4 inch
Bulb Shape	T5
Net Weight (Piece)	0.333 lb
Approval and Application	
Energy Saving Product	Yes
Approval Marks	RoHS compliance UL certificate DLC compliance
EU RoHS compliant	Yes
Ambient temperature range	-4 °F to 113 °F

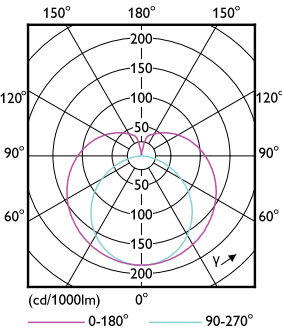
Application Conditions	
can it be used in closed luminaires	Yes
Product Data	
Order product name	14T5HE/COR/46-850/MF21/G 25/1
Full product name	14T5HE/COR/46-850/MF21/G 25/1
Order code	576223
Material Nr. (12NC)	929003123504
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677576226
Numerator - Packs per outer box	25
EAN/UPC - Case	50046677576221

Dimensional drawing

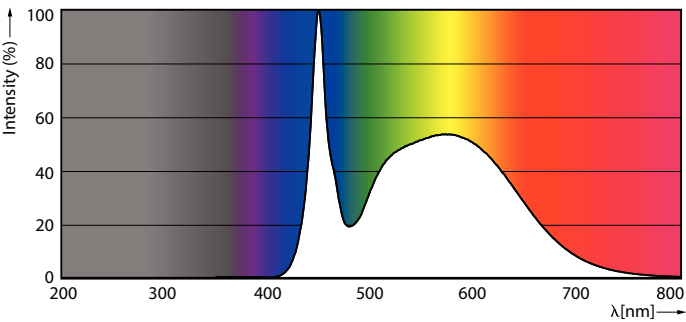


Product	D1	D2	A1	A2	A3
14T5HE/COR/46-850/ MF21/G 25/1	5/8 inch	3/4 inch	45-1/4 inch	45-1/2 inch	45-13/16 inch

Photometric data



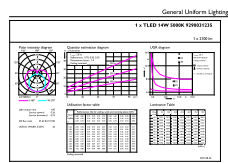
Light Distribution Diagram - 14T5HE/COR/46-850/MF21/G 25/1



Spectral Power Distribution Colour - 14T5HE/COR/46-850/MF21/G 25/1

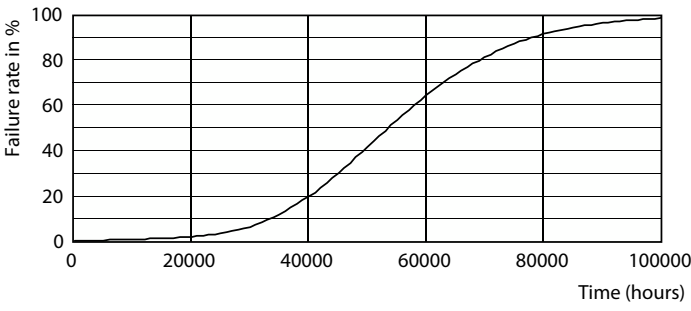
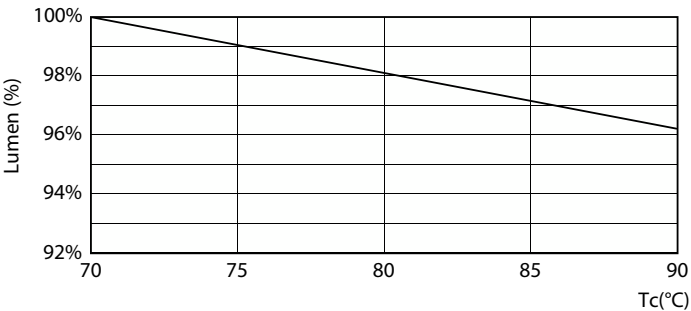
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Photometric data



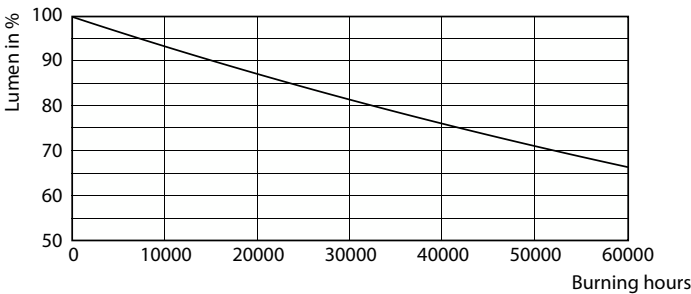
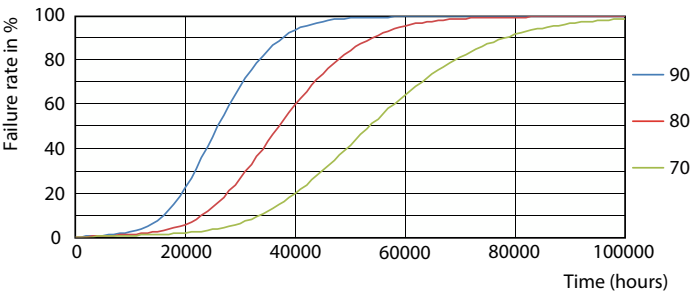
General Uniform Lighting - 14T5HE/COR/46-850/MF21/G 25/1

Lifetime



Lumen Maintenance Diagram - 14T5HE/COR/46-850/MF21/G 25/1

Life Expectancy Diagram

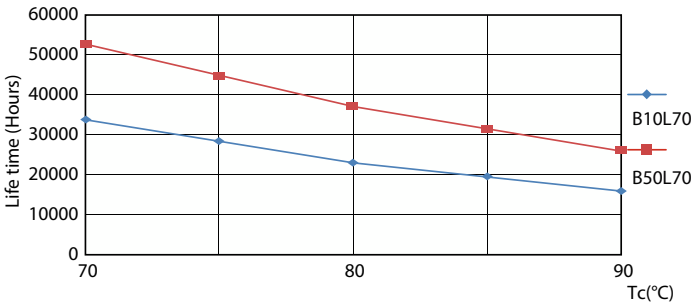


LEDtube 50K 7090 FailureRate-LED

Lumen Maintenance Diagram - 14T5HE/COR/46-850/MF21/G 25/1

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Lifetime



LifetimeVsTc

