



MainsFit (UL Type-B) T5

25T5HO/COR/46-850/MF35/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				
Cap-Base	G5			
Nominal lifetime	50,000 hour(s)			
Switching Cycle	50,000			
Lighting Technology	LED			
Light Technical				
Color Code	850 [CCT of 5000K]			
Beam Angle (Nom)	200 degree(s)			
Luminous Flux	3,500 lm			
Color Designation	Daylight			
Luminous Efficacy (rated) (Nom)	140.00 lm/W			
Correlated Color Temperature (Nom)	5000 K			
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	25 W				
Lamp Current (Max)	250 mA				
Lamp Current (Min)	95 mA				
Wattage Equivalent	54 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					
Ambient temperature range	-4 °F to 113 °F				
T-Case Maximum (Nom)	167 °F				

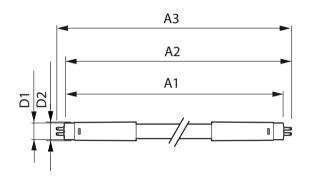
Datasheet, 2023, November 3 data subject to change

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

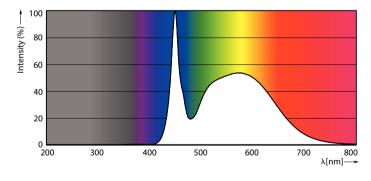
Application Conditions				
can it be used in closed luminaires	Yes			
Product Data				
Order product name	25T5HO/COR/46-850/MF35/G 25/1			
Full product name	25T5HO/COR/46-850/MF35/G 25/1			
Order code	576256			
Material Nr. (12NC)	929003122604			
Numerator - Quantity Per Pack	1			
Net Weight (Piece)	0.333 lb			
EAN/UPC - Product/Case	046677576257			
Numerator - Packs per outer box	25			
EAN/UPC - Case	50046677576252			

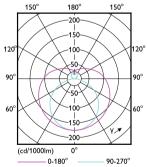
Dimensional drawing



Product	D1	D2	A1	A2	A3
25T5HO/COR/46-850/	5/8 inch	3/4 inch	45-1/4 inch	45-1/2 inch	45-13/16 inch
MF35/G 25/1					

Photometric data



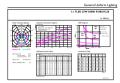


Spectral Power Distribution Colour - 25T5HO/COR/46-850/MF35/G 25/1

Light Distribution Diagram - 25T5HO/COR/46-850/MF35/G 25/1

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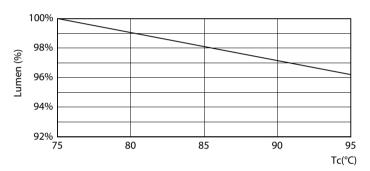
Photometric data

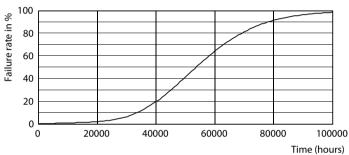


Calculus Photometrics 4.5 Philips Lighting ScV. Page: 11

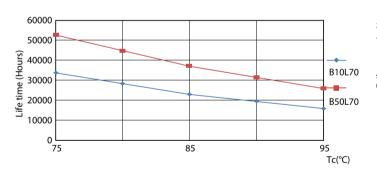
General uniform lighting - 25T5HO/COR/46-850/MF35/G 25/1

Lifetime

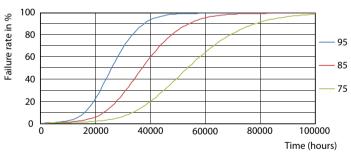




Lumen Maintenance Diagram - 25T5HO/COR/46-850/MF35/G 25/1



Life Expectancy Diagram



LEDtube 50K 7595 LifetimeVsTc-LED

LEDtube 50K 7595 FailureRate-LED

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