PHILIPS Lighting

Contractor-grade MainsFit (UL Type-B) T8

14.5T8/CNG/48-850/MF18/G 25/1

The Contractor-grade MainsFit (UL Type B) lamps are designed to provide simple retrofit solution to move from traditional fluorescent lamps to energy saving LEDs. This ballast bypass lamp is similar to other UL Type B lamps in the Philips family by providing proven energy savings, long life (50k hours), surge suppression and industry leading safety features. All lamps in the Contractor-grade family are also double-ended to help simplify the installation.

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	850 [CCT of 5000K]				
Beam Angle (Nom)	240 degree(s)				
Luminous Flux	1,800 lm				
Color Designation	Daylight				
Correlated Color Temperature (Nom)	5000 K				
Luminous Efficacy (rated) (Nom)	124.00 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	

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Temperature					
Ambient temperature range	-20 ℃ to 45 ℃				
T-Case Maximum (Nom)	70 °C				
Controls and Dimming					
Dimmable	Limited				
Machanian and Llousis -					
Mechanical and Housing					
Bulb Finish	Frosted				
Bulb Material	Glass				
Product Length	1,200 mm				
Bulb Shape	Т8				
Annual and Annihest					
Approval and Application					
Energy Saving Product	Yes				
Approval Marks	RoHS compliance UL certificate DLC				
	compliance				

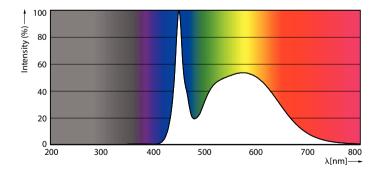
can it be used in closed luminaires	Yes				
Product Data					
Order product name	14.5T8/CNG/48-850/MF18/G 25/1				
Full product name	14.5T8/CNG/48-850/MF18/G 25/1				
Order code	577783				
Material Nr. (12NC)	929003474704				
Numerator - Quantity Per Pack	1				
EAN/UPC - Product/Case	046677577780				
Numerator - Packs per outer box	25				
EAN/UPC - Case	50046677577785				

Application Conditions

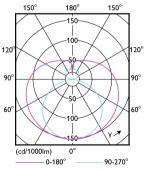
Dimensional drawing

Product	D1	D2	A1	A2	A3
14.5T8/CNG/48-850/MF18/G	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
25/1					

Photometric data



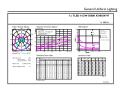
Spectral Power Distribution Colour - 14.5T8/CNG/48-850/MF18/G 25/1



Light Distribution Diagram - 14.5T8/CNG/48-850/MF18/G 25/1

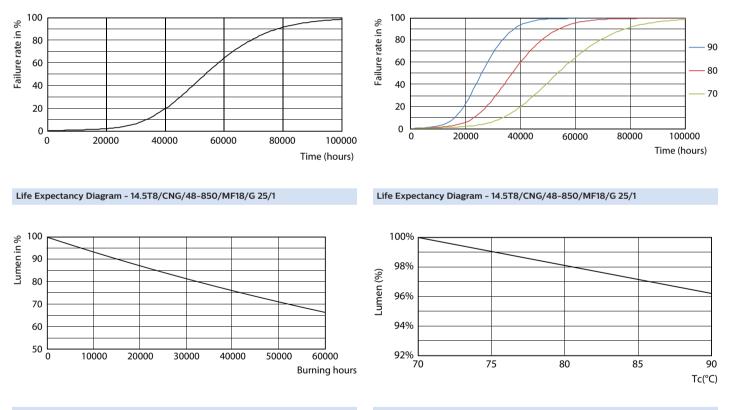
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Photometric data



General uniform lighting - 14.5T8/CNG/48-850/MF18/G 25/1

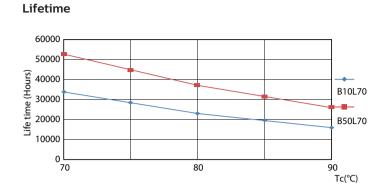
Lifetime



Lumen Maintenance Diagram - 14.5T8/CNG/48-850/MF18/G 25/1

Lumen Maintenance Diagram - 14.5T8/CNG/48-850/MF18/G 25/1

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Life Expectancy Diagram - 14.5T8/CNG/48-850/MF18/G 25/1



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