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				
Light Technical					
Color Code	850 [CCT of 5000K]				
Beam Angle (Nom)	240 degree(s)				
Luminous Flux	1,800 lm				
Color Designation	Daylight				
Luminous Efficacy (rated) (Nom)	124.00 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	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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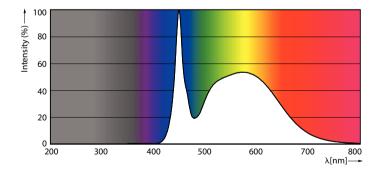
Temperature		
Ambient temperature range	-20 °C to 45 °C	
T-Case Maximum (Nom)	70 °C	
Controls and Dimming		
Dimmable	Limited	
Mechanical and Housing		
Bulb Finish	Frosted	
Bulb Material	Glass	
Product Length	1,200 mm	
Bulb Shape	Т8	
Approval and Application		
Energy Saving Product	Yes	
Approval Marks	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	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				
Net Weight (Piece)	0.190 kg				
EAN/UPC - Product/Case	046677577780				
Numerator - Packs per outer box	25				
EAN/UPC - Case	50046677577785				

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



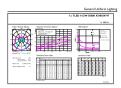
Spectral Power Distribution Colour - 14.5T8/CNG/48-850/MF18/G 25/1

150° 180° 150° -150--100 120° 120 -50 $\mathbf{\Lambda}$ 90° 90° 60° 60° .γ*.*/₹ (cd/1000lm) 0° 90-270° - 0-180°

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

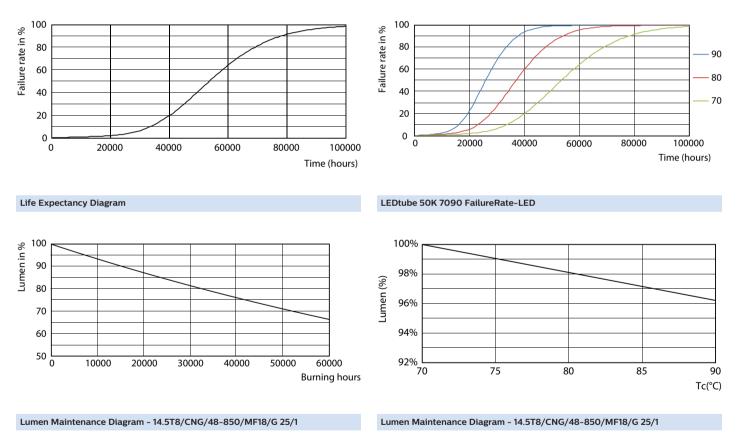
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Photometric data

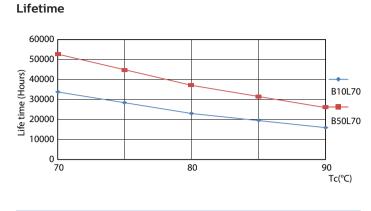


General uniform lighting - 14.5T8/CNG/48-850/MF18/G 25/1

Lifetime



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LifetimeVsTc



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