



Contractor-grade MainsFit (UL Type-B) T8

14.5T8/CNG/48-840/MF18/G 25/1

Contractor grade, LED, T8, 14.5 W, 4000 K, 1800 lm, 50000 hour(s)

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	840 [CCT of 4000K]
Beam Angle (Nom)	240 degree(s)
Luminous Flux	1,800 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K

Luminous Efficacy (rated) (Nom)	124.00 lm/W
Color Consistency	<6
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

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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

T-Case Maximum (Nom)	70 °C
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Controls and Dimming

Dimmable	Limited
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Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Glass
Product Length	1,200 mm
Bulb Shape	T8
Net Weight (Piece)	0.190 kg

Approval and Application

Energy Saving Product	Yes
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Approval Marks	RoHS compliance UL certificate DLC compliance
EU RoHS compliant	Yes
Ambient temperature range	-20 °C to 45 °C

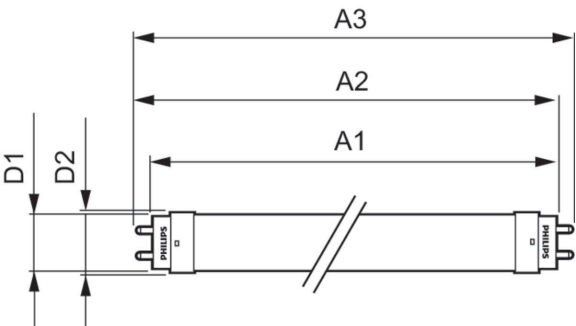
Application Conditions

can it be used in closed luminaires	Yes
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Product Data

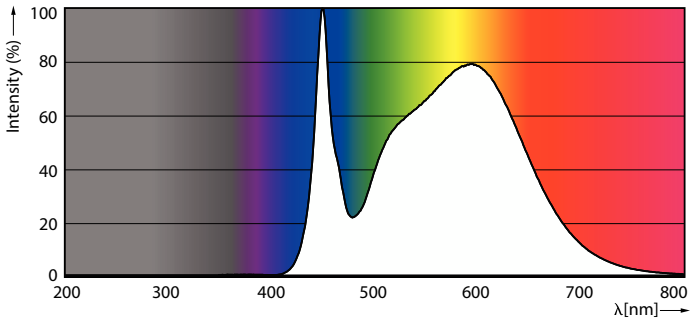
Order product name	14.5T8/CNG/48-840/MF18/G 25/1
Full product name	14.5T8/CNG/48-840/MF18/G 25/1
Order code	929003474604
Material Nr. (12NC)	929003474604
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677577773
Numerator - Packs per outer box	25
EAN/UPC - Case	50046677577778

Dimensional drawing

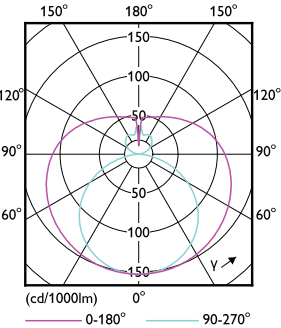


Product	D1	D2	A1	A2	A3
14.5T8/CNG/48-840/MF18/G 25/1	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm

Photometric data



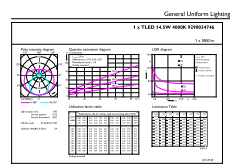
Spectral Power Distribution Colour - 14.5T8/CNG/48-840/MF18/G 25/1



Light Distribution Diagram - 14.5T8/CNG/48-840/MF18/G 25/1

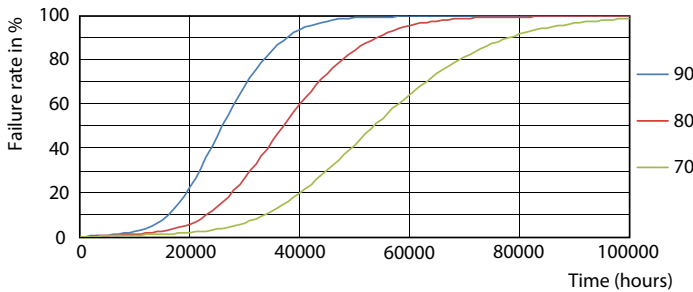
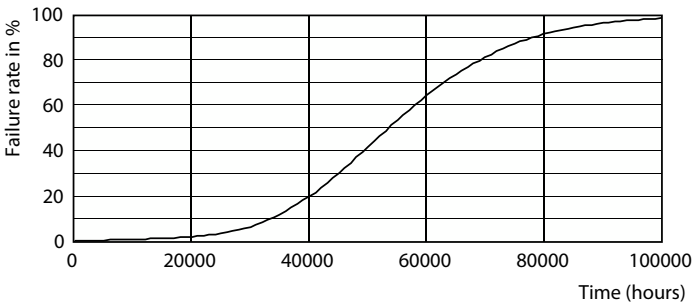
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Photometric data

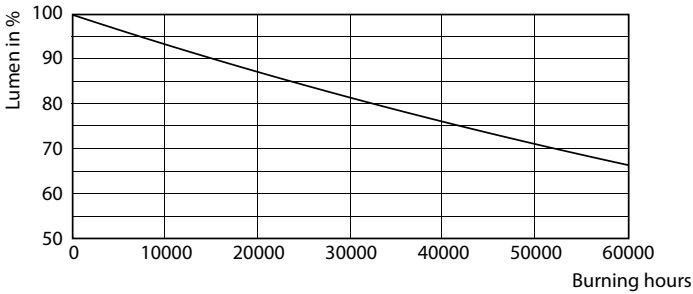


General Uniform Lighting - 14.5T8/CNG/48-840/MF18/G 25/1

Lifetime

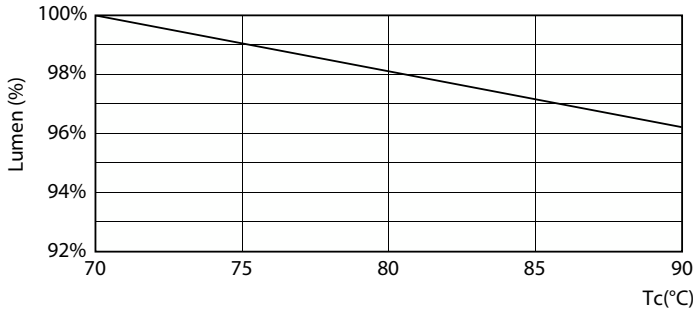


Life Expectancy Diagram



Lumen Maintenance Diagram - 14.5T8/CNG/48-840/MF18/G 25/1

LEDtube 50K 7090 FailureRate-LED



Lumen Maintenance Diagram - 14.5T8/CNG/48-840/MF18/G 25/1

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Lifetime



LifetimeVsTc

