T8

15.5T8/COR/48-840/MF21/G/BAA 25/1

Philips MainsFit (UL Type B) T8 LED lamps use a double-ended design which significantly simplifies installation, saving time and costs. This product is proudly manufactured in the USA and is BAA (Buy American Act) compliant. This product can replace either T8 or T12 lamps in fixtures containing shunted or non-shunted G13 (medium bi-pin) lamp holders. Available in 4ft and 2ft lengths.

Product data

General information

Base	G13 [Medium Bi-Pin Fluorescent]
EU RoHS compliant	Yes
Nominal Lifetime (Nom)	50000 h
Switching Cycle	50000
Technical Type	15.5-32W
Buy American Compliant Products	Yes
Tier	CorePro

Light technical

Color Code	841 [CCT of 4100K (841)]
Beam Angle (Nom)	240 °
Initial lumen (Nom)	2200 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	141.00 lm/W
Color Consistency	<6
Color Rendering Index (Nom)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and electrical

Input Frequency	50 to 60 Hz

Power (Rated) (Nom)	15.5 W
Lamp Current (Max)	132 mA
Lamp Current (Min)	65 mA
Wattage Equivalent	32-30-28-25 W
Starting Time (Nom)	0.9 s
Warm Up Time to 60% Light (Nom)	0.9 s
UL Type	Type B - bypass the ballast
Power Factor (Nom)	0.9
Voltage (Nom)	120-277 V

Temperature

T-Ambient (Max)	113 °F
T-Ambient (Min)	-4 °F
T-Storage (Max)	149 °F
T-Storage (Min)	-40 °F
T-Case Maximum (Nom)	158 °F

Controls and dimming

Dimmable	No

Mechanical and housing

Bulb Finish	Frosted

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Bulb Material	Glass		**EAN/UPC – Product**	046677563738
Product Length	47-1/4 in		**Order code**	563734
Bulb Shape	Tube, double-ended		**Numerator – Quantity Per Pack**	1
			Numerator – Packs per outer box	25
Approval and application			**Material Nr. (12NC)**	929002497704
Energy Saving Product	Yes		**Net Weight (Piece)**	0.454 lb
Approbation Marks	RoHS compliance UL certificate DLC compliance		**Model Number**	9290024977
Energy Consumption kWh/1000 h	– kWh			

Product data

Order product name	15.5T8/COR/48-840/MF21/G/BAA 25/1

Dimensional drawing
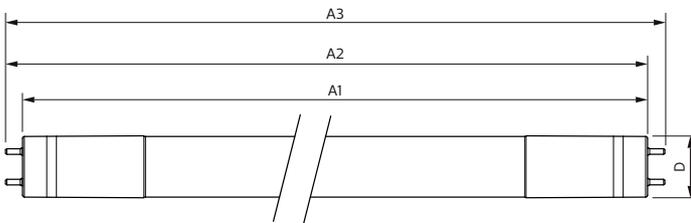
Product	D1	D2	A1	A2	A3
15.5T8/COR/48-840/ MF21/G/BAA 25/1	1-1/16 in	1-1/8 in	47-3/16 in	47-1/2 in	47-3/4 in

**15.5T8/COR/48-840/MF21/G/BAA 25/1**

## Photometric data
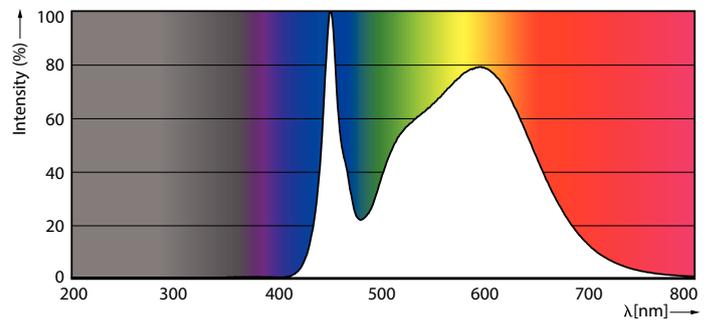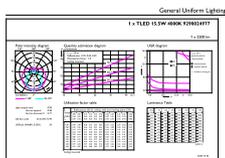
LEDtube COR 15,5W G13 2200lm 840

**LEDtube COR 11W G13 1700lm 840**

T8

Photometric data
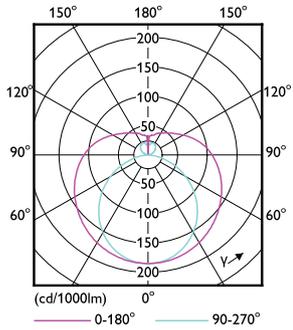
LEDtube COR 11W G13 1650lm

Lifetime
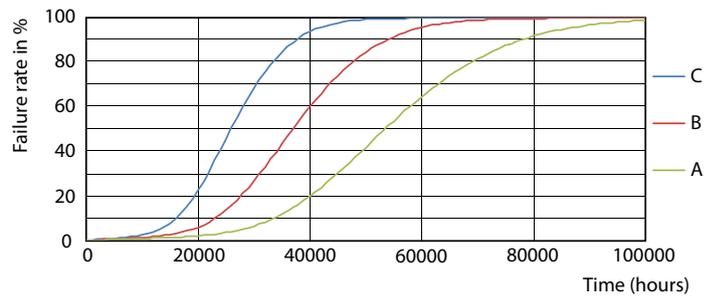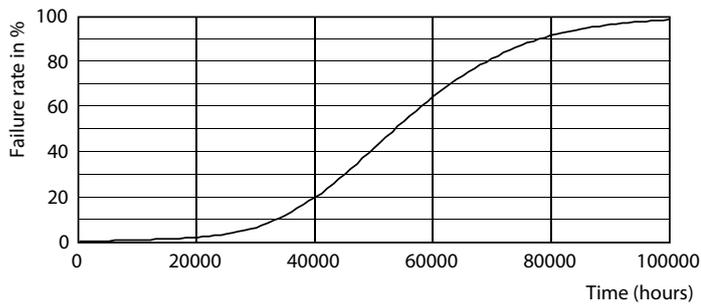
Life Expectancy Diagram

LEDtube 50K FailureRate-LED
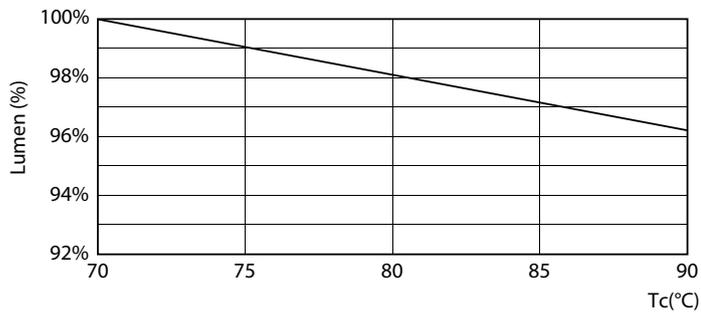
LEDtube COR 11W 50K LumenVsTc
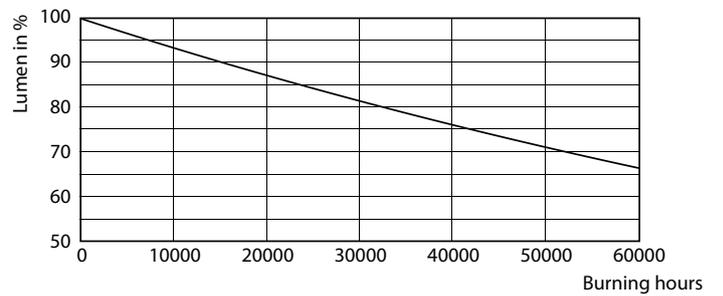
Lumen Maintenance Diagram

Lifetime
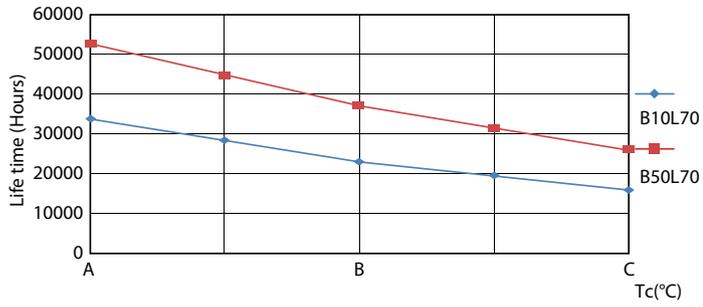
LEDtube 50K LifetimeVsTc-LED

www.lighting.philips.com

2022, October 31 – data subject to change