FlexFit (Hybrid UL Type A + B) T8

12.5T8/COR/48-835/FF17/G/DIM 25/1

Philips FlexFit (Hybrid UL Type A + B) lamps are designed with the customer in mind for installation flexibility. The FlexFit lamp can operate as both a plug and play (UL Type-A) and double-ended direct wire (UL Type-B). As with all Philips products, the FlexFit family of lamps are compatible with more ballasts than any manufacturer giving the customer peace of mind during installation. Additionally, the long life (50K hours) delivers reduced maintenance and replacement costs. If the ballast should fail, simply cut the ballast from the system and wire the tube directly to line voltage (120-277V)!

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	835 [CCT of 3500K]
Beam Angle (Nom)	220 degree(s)
Luminous Flux	1,700 lm
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3500 K
Luminous Efficacy (rated) (Nom)	130 lm/W
Color Consistency	<6
Color rendering index (CRI)	82

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	12.5 13 W
Lamp Current (Max)	110 mA
Lamp Current (Min)	45 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 A+B

Temperature

Ambient temperature range	-20 ℃ to 45 ℃

FlexFit (Hybrid UL Type A + B) T8

T-Case Maximum (Nom)	60 °C

Controls and Dimming

Dimmable	Only with specific dimmers

Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Glass
Product Length	1,200 mm
Bulb Shape	T8

Approval and Application

Energy Saving Product	Yes
Approval Marks	RoHS compliance UL certificate DLC compliance

Application Conditions

can it be used in closed luminaires	Yes

Product Data

Order product name	12.5T8/COR/48-835/FF17/G/DIM 25/1
Full product name	12.5T8/COR/48-835/FF17/G/DIM 25/1
Order code	929002402204
Material Nr. (12NC)	929002402204
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	046677560195
Numerator – Packs per outer box	25
EAN/UPC – Case	50046677560190

Dimensional drawing
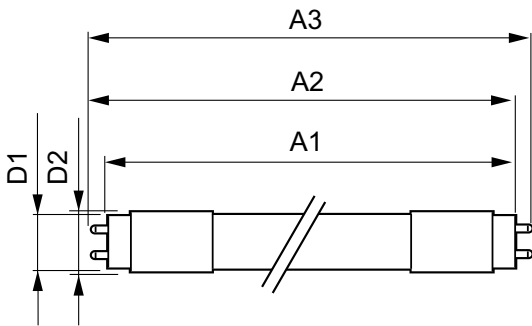
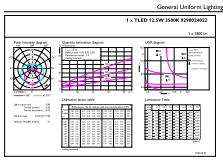| Product	D1	D2	A1	A2	A3
12.5T8/COR/48-835/FF17/G/DIM 25/1	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm

Photometric data
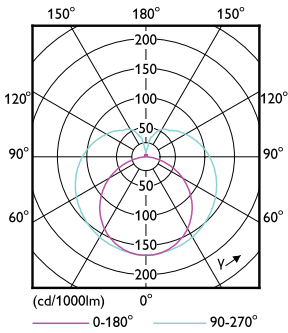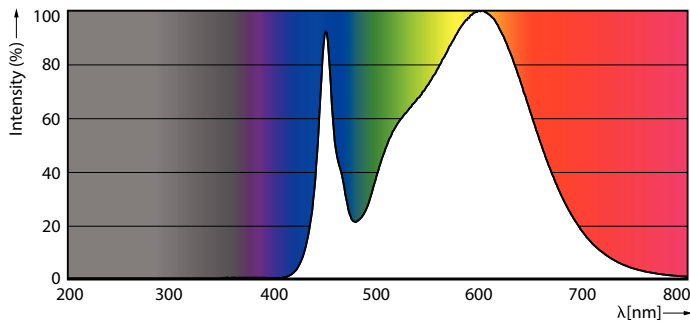
Spectral Power Distribution Colour – 12.5T8/COR/48-835/FF17/G/DIM 25/1

Light Distribution Diagram

FlexFit (Hybrid UL Type A + B) T8
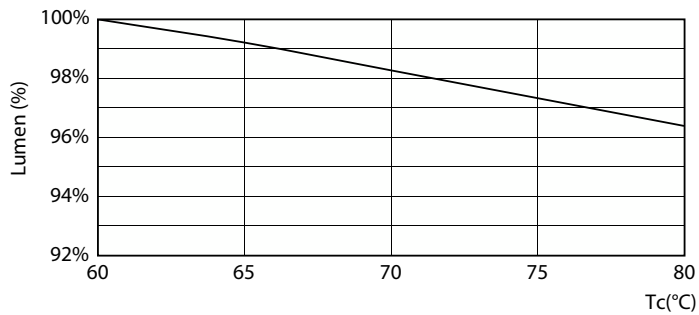
Photometric data

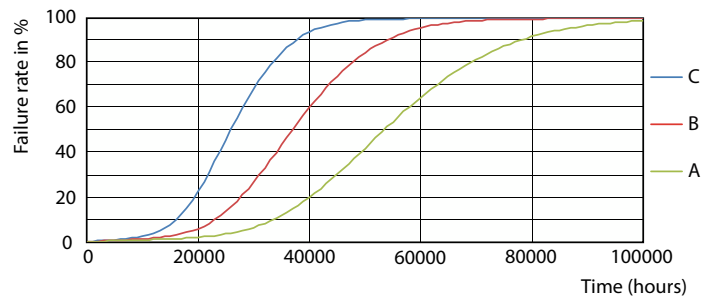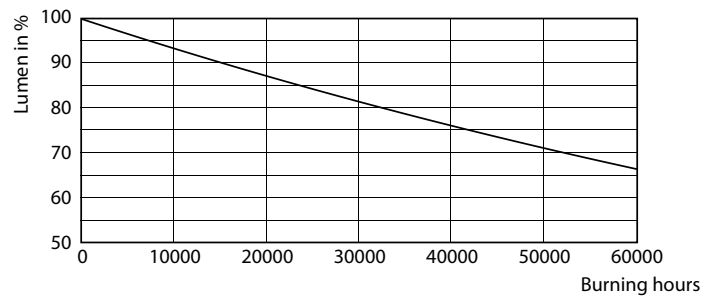General uniform lighting – 12.5T8/COR/48-835/FF17/G/DIM 25/1

Lifetime

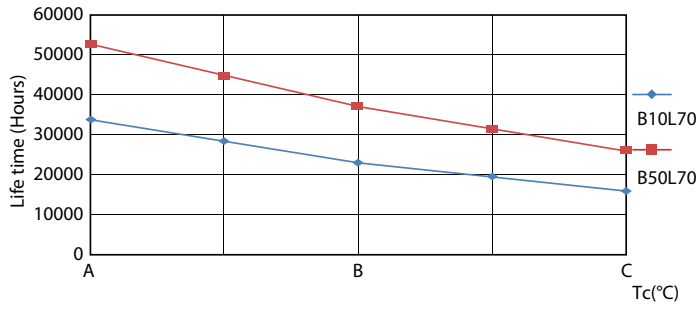Life Expectancy Diagram – 12.5T8/COR/48-835/FF17/G/DIM 25/1

Life Expectancy Diagram – 12.5T8/COR/48-835/FF17/G/DIM 25/1

Lumen Maintenance Diagram

Lumen Maintenance Diagram – 12.5T8/COR/48-835/FF17/G/DIM 25/1

FlexFit (Hybrid UL Type A + B) T8

Lifetime

Life Expectancy Diagram – 12.5T8/COR/48-835/FF17/G/DIM 25/1