



FlexFit (Hybrid UL Type A + B) T8

12T8/COR/48-5CCT/FF18/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
Nominal lifetime	50,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
Light Technical	
Color Code	3000K/3500K/4000K/5000K/6500K
Beam Angle (Nom)	220 degree(s)
Luminous Flux	1,700 1,700 1,800 1,800 1,800 lm
Color Designation	3000K/3500K/4000K/5000K/6500K
Luminous Efficacy (rated) (Nom)	144 lm/W
Correlated Color Temperature (Nom)	3000 3500 4000 5000 6500 K
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

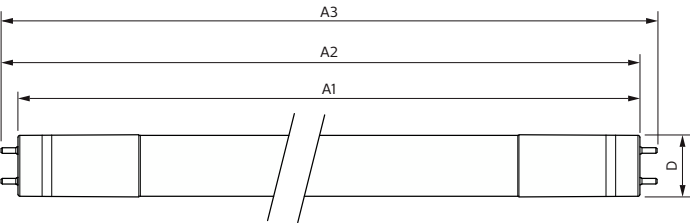
Operating and Electrical	
Input Frequency	50 to 60 Hz
Power Consumption	12
Lamp Current (Max)	115 mA
Lamp Current (Min)	50 mA
Wattage Equivalent	32 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	120-277 V
UL Type	UL Type A+B
Temperature	
Ambient temperature range	-4 to +113 °F
T-Case Maximum (Nom)	131 °F

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Controls and Dimming	
Dimmable	Only with specific dimmers
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	47-1/4 inch
Bulb Shape	T8
Approval and Application	
Energy Saving Product	Yes
Approval Marks	RoHS compliance UL certificate DLC compliance
EU RoHS compliant	Yes

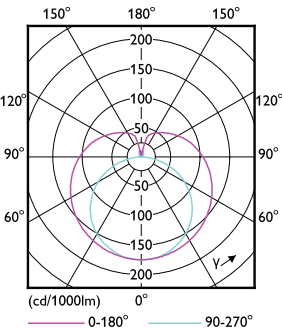
Application Conditions	
can it be used in closed luminaires	Yes
Product Data	
Order product name	12T8/COR/48-5CCT/FF18/G/DIM 25/1
Full product name	12T8/COR/48-5CCT/FF18/G/DIM 25/1
Order code	588640
Material Nr. (12NC)	929003794704
Numerator - Quantity Per Pack	1
Net Weight (Piece)	0.5 lb
EAN/UPC - Product/Case	046677588649
Numerator - Packs per outer box	25
EAN/UPC - Case	50046677588644

Dimensional drawing

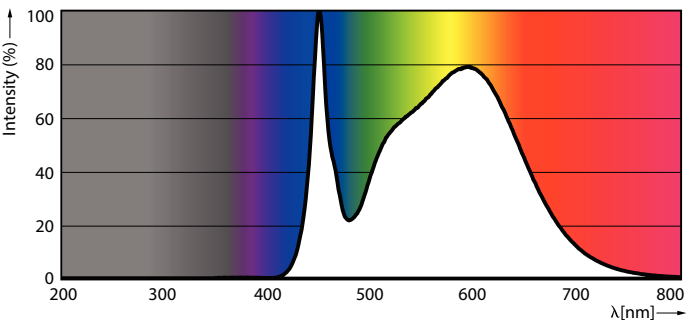


Product	D1	D2	A1	A2	A3
12T8/COR/48-5CCT/ FF18/G/DIM 25/1	1-1/16 inch	1-1/8 inch	47-3/16 inch	47-1/2 inch	47-3/4 inch

Photometric data



Light Distribution Diagram - 12T8/COR/48-5CCT/FF18/G/DIM 25/1

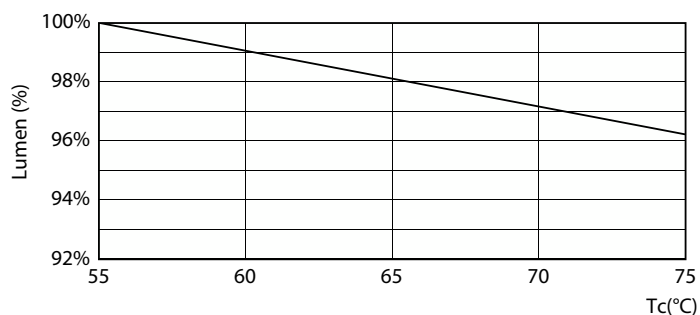


Spectral Power Distribution Colour - 12T8/COR/48-5CCT/FF18/G/DIM 25/1

Photometric data



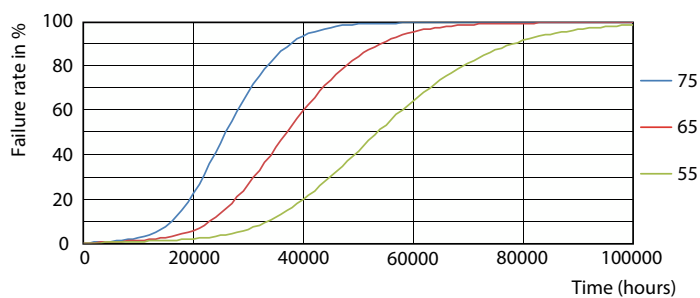
Lifetime



The graph illustrates the failure rate over time. The x-axis represents time in hours, ranging from 0 to 100,000 with major grid lines every 20,000 hours. The y-axis represents the failure rate in percent, ranging from 0 to 100 with major grid lines every 20 percent. The curve shows a long period of low failure rate (up to ~20,000 hours), followed by a rapid increase between 20,000 and 60,000 hours, and a final slow approach to 100% failure rate.

Time (hours)	Failure rate in %
0	0
20000	~2
40000	~20
50000	50
60000	~65
80000	~90
100000	100

Life Expectancy Diagram

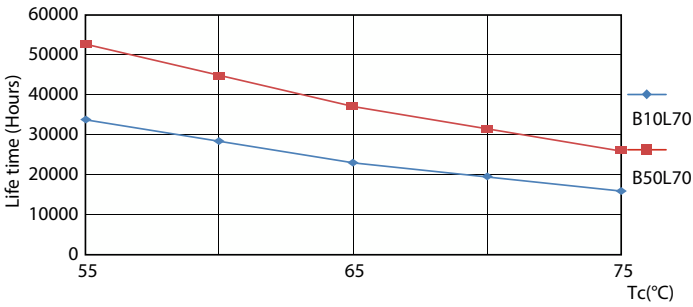


Burning hours	Lumen in %
0	100
10000	93.3
20000	86.7
30000	80
40000	73.3
50000	66.7
60000	60

Lumen Maintenance Diagram - 12T8/COR/48-5CCT/FF18/G/DIM 25/1

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Lifetime



LifetimeVsTc

