

CorePro MainsFit (UL Type-B) T8

14.5T8/COR/48-835/MF20/G 10/1

The CorePro MainsFit (UL Type B) lamps are designed to be the perfect retrofit solution to move from traditional fluorescent lamps to energy saving LEDs. This ballast bypass lamp has everything needed built into the lamp with proven energy savings, long life (up to 50k hours), surge suppression and industry leading safety features. All lamps in the CorePro MainsFit family are double-ended to help simplify the installation. In addition, all lamps meet the Philips standards for light quality so that end users will be in a comfortable environment regardless of the CorePro MainsFit lamp type.

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)	240 degree(s)
Luminous Flux	2,000 lumen
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3500 K
Luminous Efficacy (rated) (Nom)	137.00 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
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
Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	158 °F

CorePro MainsFit (UL Type-B) T8

Controls and Dimming

Dimmable	Limited
----------	---------

Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Glass
Product Length	47-1/4 inch
Bulb Shape	Tube, double-ended

Approval and Application

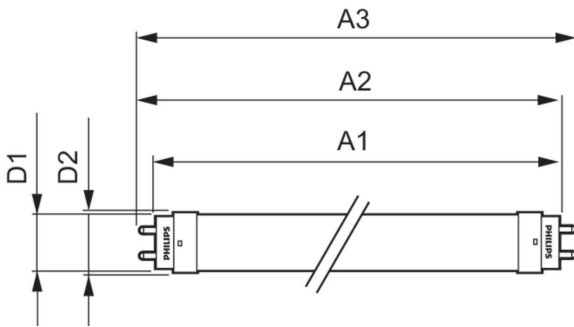
Energy Saving Product	Yes
Approval Marks	RoHS compliance UL certificate DLC compliance

Energy Consumption kWh/1000 h	- kWh
-------------------------------	-------

Product Data

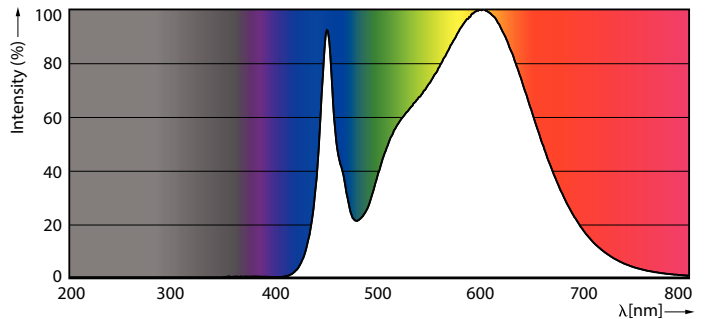
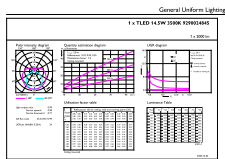
Order product name	14.5T8/COR/48-835/MF20/G 10/1
Order code	563536
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929002484504
Full product name	14.5T8/COR/48-835/MF20/G 10/1
EAN/UPC - Case	50046677563535
EAN/UPC - Product/Case	046677563530

Dimensional drawing



Product	D1	D2	A1	A2	A3
14.5T8/COR/48-835/MF20/G 10/1	1-1/16 inch	1-1/8 inch	47-3/16 inch	47-1/2 inch	47-3/4 inch

Photometric data

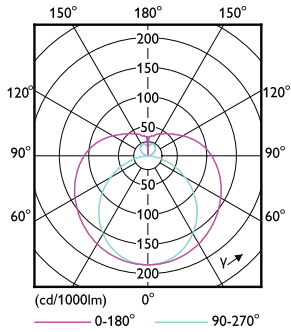


General uniform lighting - 14.5T8/COR/48-835/MF20/G 10/1

Spectral Power Distribution Colour - 14.5T8/COR/48-835/MF20/G 10/1

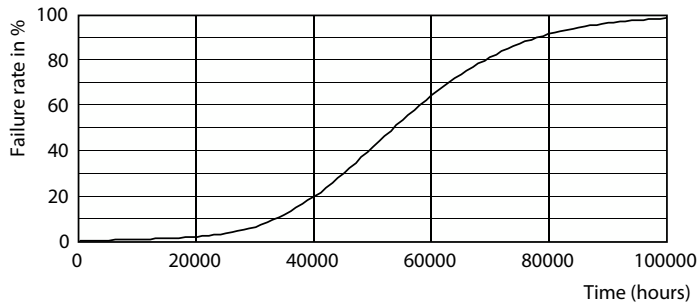
CorePro MainsFit (UL Type-B) T8

Photometric data

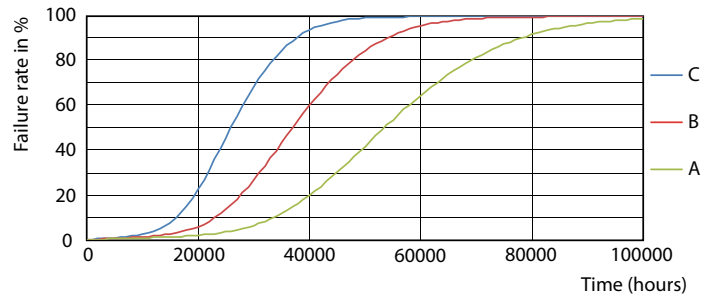


Light Distribution Diagram - 14.5T8/COR/48-835/MF20/G 10/1

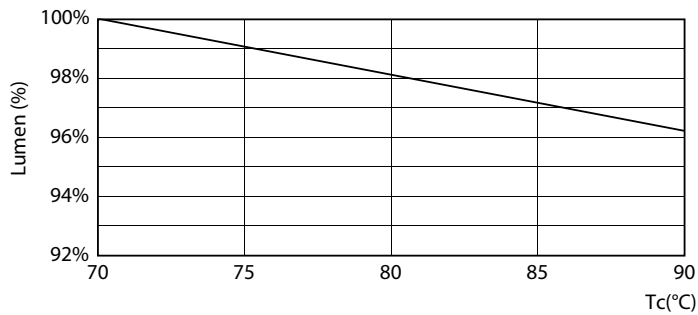
Lifetime



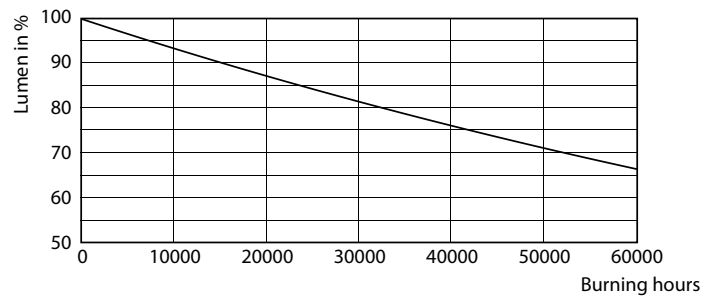
Life Expectancy Diagram - 14.5T8/COR/48-835/MF20/G 10/1



Life Expectancy Diagram



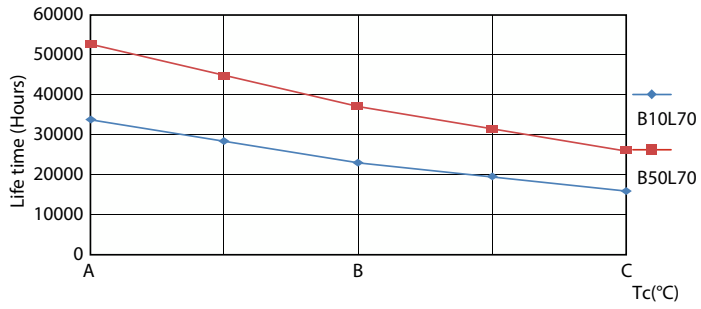
Lumen Maintenance Diagram - 14.5T8/COR/48-835/MF20/G 10/1



Lumen Maintenance Diagram - 14.5T8/COR/48-835/MF20/G 10/1

CorePro MainsFit (UL Type-B) T8

Lifetime



Life Expectancy Diagram

