

CorePro MainsFit (UL Type-B) T8

14.5T8/COR/48-850/MF21/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	850 [CCT of 5000K]
Beam Angle (Nom)	240 degree(s)
Luminous Flux	2,100 lumen
Color Designation	Daylight
Correlated Color Temperature (Nom)	5000 K
Luminous Efficacy (rated) (Nom)	144.00 lm/W
Color Consistency	<5
Color rendering index (CRI)	80

LLMF At End Of Nominal Lifetime (Nom) 70 %	
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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
UL Type	Type B - bypass the ballast

Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	70 °C

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Controls and Dimming

Dimmable Limited

Mechanical and Housing

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

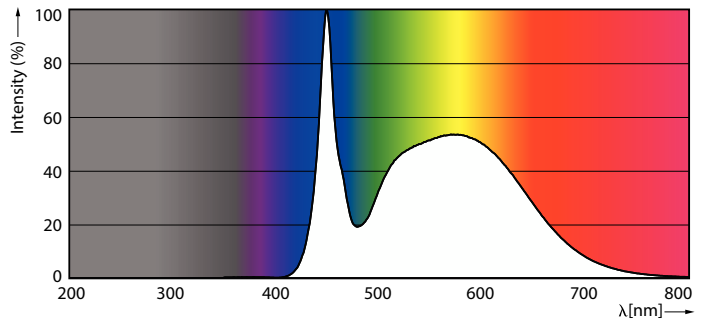
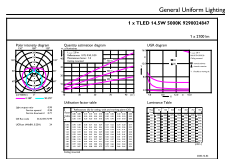
Product Data

Order product name 14.5T8/COR/48-850/MF21/G 10/1
 Order code 563551
 Numerator - Quantity Per Pack 1
 Numerator - Packs per outer box 10
 Material Nr. (12NC) 929002484704
 Full product name 14.5T8/COR/48-850/MF21/G 10/1
 EAN/UPC - Case 50046677563559
 EAN/UPC - Product/Case 046677563554

Dimensional drawing

Product	D1	D2	A1	A2	A3
14.5T8/COR/48-850/MF21/G 10/1	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm

Photometric data

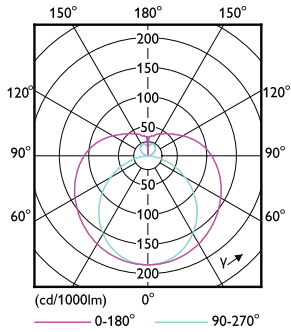


General uniform lighting - 14.5T8/COR/48-850/MF21/G 10/1

Spectral Power Distribution Colour - 14.5T8/COR/48-850/MF21/G 10/1

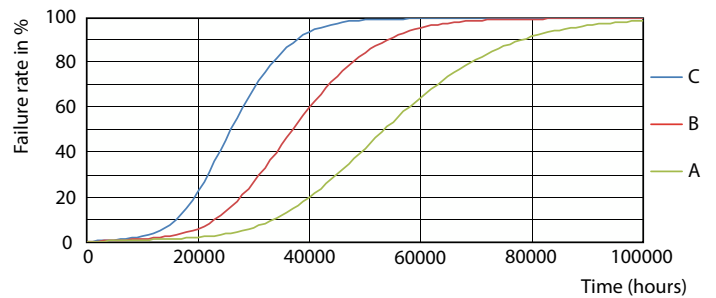
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Photometric data



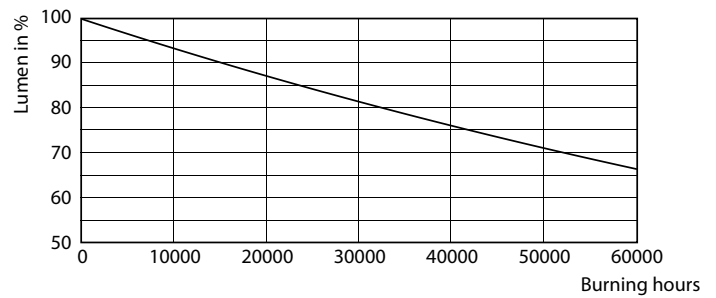
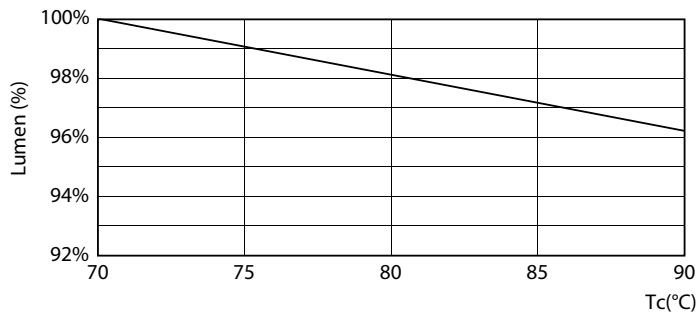
Light Distribution Diagram - 14.5T8/COR/48-850/MF21/G 10/1

Lifetime



Life Expectancy Diagram - 14.5T8/COR/48-850/MF21/G 10/1

Life Expectancy Diagram

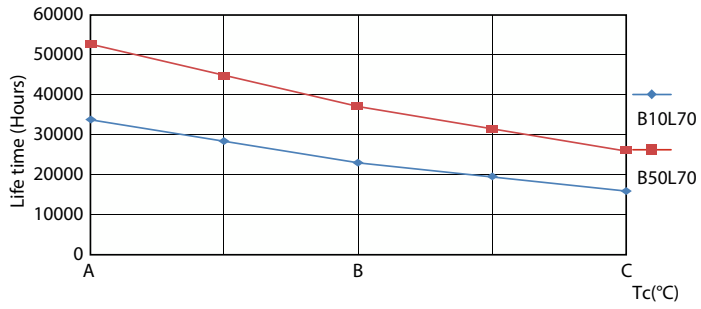


Lumen Maintenance Diagram - 14.5T8/COR/48-850/MF21/G 10/1

Lumen Maintenance Diagram - 14.5T8/COR/48-850/MF21/G 10/1

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Lifetime



Life Expectancy Diagram

