



CorePro MainsFit (UL Type-B) T8

12T8/COR/48-850/MF18/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		Operating and Electrical	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]	Line Frequency	50 to 60 Hz
Nominal lifetime	50,000 hour(s)	Input Frequency	50 to 60 Hz
Switching Cycle	50,000	Power Consumption	12 W
Lighting Technology	LED	Lamp Current (Max)	102 mA
Light Technical		Lamp Current (Min)	48 mA
Color Code	850 [CCT of 5000K]	Wattage Equivalent	32 W
Beam Angle (Nom)	240 degree(s)	Starting Time (Nom)	0.5 s
Luminous Flux	1,800 lm	Warm-up time to 60% light	0.5 s
Color Designation	Daylight	Power Factor (Fraction)	0.9
Luminous Efficacy (rated) (Nom)	150.00 lm/W	Voltage (Nom)	120-277 V
Correlated Color Temperature (Nom)	5000 K	UL Type	UL Type B
Color Consistency	<5	Temperature	
Color rendering index (CRI)	80	Ambient temperature range	-20 °C to 45 °C
LLMF At End Of Nominal Lifetime (Nom)	70 %	T-Case Maximum (Nom)	70 °C

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Controls and Dimming

Dimmable	Limited
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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
Energy Consumption kWh/1000 h	- kWh
EU RoHS compliant	Yes

Application Conditions

can it be used in closed luminaires	Yes
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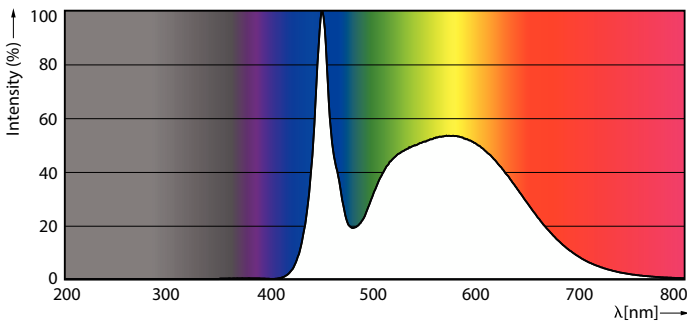
Product Data

Order product name	12T8/COR/48-850/MF18/G 10/1
Full product name	12T8/COR/48-850/MF18/G 10/1
Order code	563510
Material Nr. (12NC)	929002484304
Numerator - Quantity Per Pack	1
Net Weight (Piece)	0.215 kg
EAN/UPC - Product/Case	046677563516
Numerator - Packs per outer box	10
EAN/UPC - Case	50046677563511

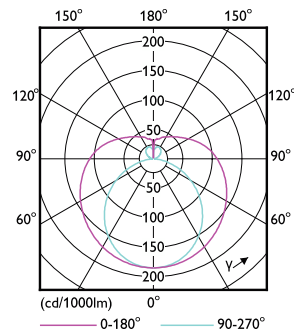
Dimensional drawing

Product	D1	D2	A1	A2	A3
12T8/COR/48-850/MF18/G 10/1	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm

Photometric data



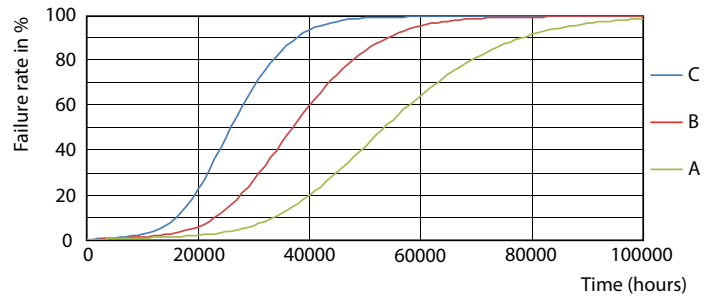
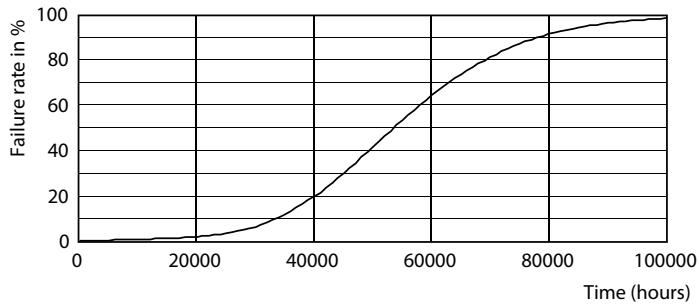
Spectral Power Distribution Colour - 12T8/COR/48-850/MF18/G 10/1



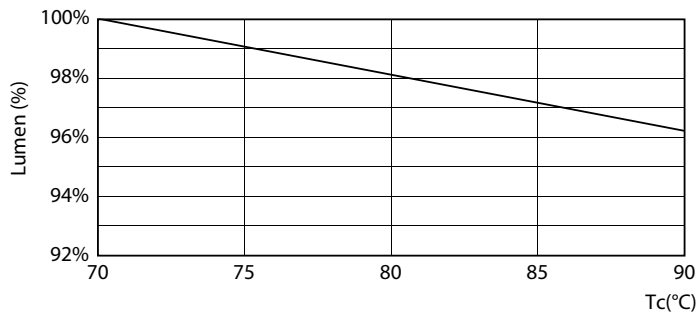
Light Distribution Diagram - 12T8/COR/48-850/MF18/G 10/1

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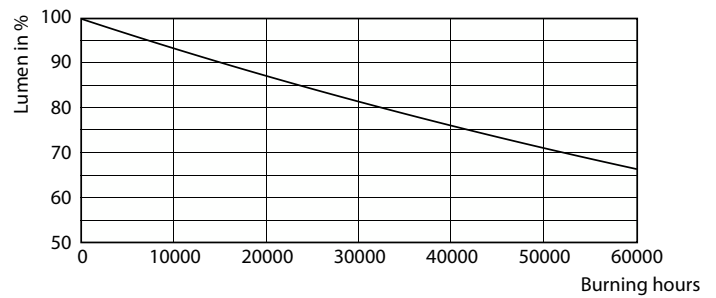
Lifetime



Life Expectancy Diagram

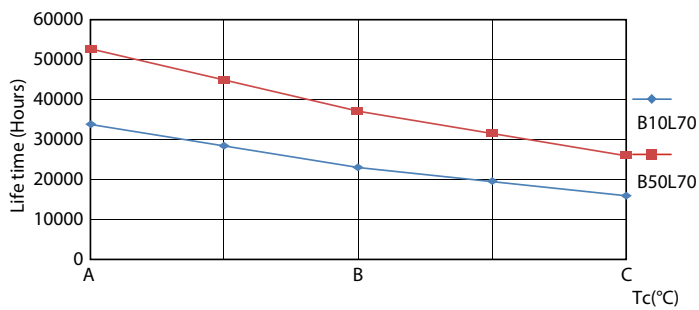


FailureRate



Lumen Maintenance Diagram - 12T8/COR/48-850/MF18/G 10/1

Lumen Maintenance Diagram - 12T8/COR/48-850/MF18/G 10/1



LifetimeVsTc

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