PHILIPS

Lighting

Affordable simple installation, no hidden costs and maximum install/maintenance savings

CorePro LEDtube MainsFit T8

Philips CorePro MainsFit (UL Type-B) T8 LED lamps use a double-ended design which signifcantly simplifes installation, saving installation time and costs. This ballast bypass product replaces either T8 or T12 lamps in fxtures containing shunted or non-shunted G13 (medium bi-pin) lamp holders for over 40% energy savings.

Benefits

- Reliable performance - color and lumen maintenance
- Double-ended design installs in about half the time as single-ended type-B solutions
- Reduces lighting complexity - integrated driver

Features

- Operates on both shunted and non-shunted sockets, which means no need to replace sockets
- DLC, NSF and RoHS listed
- Philips proprietary safety features
- Available shatter-resistant polycarbonate construction
- 5-year warranty and 50,000-hour life standard

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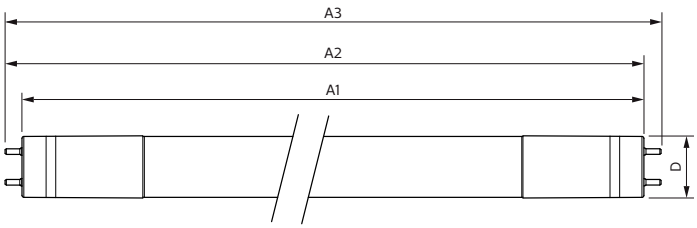
Application

- Office and Retail
- Industrial and warehouses
- Parking lots and covered car parks

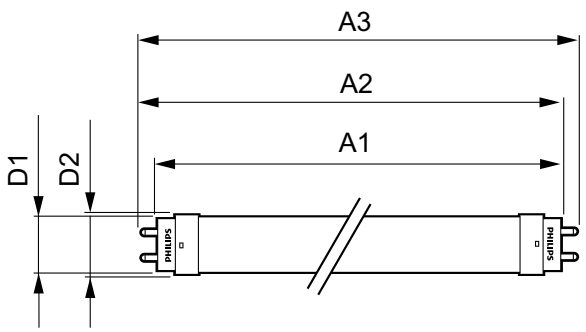
Versions

G13	Medium Bi-Pin Fluorescent

Dimensional drawing



Product	D	A1	A2	A3
16.5T8/COR/48-835/MF20/G/347V 25/1	26 mm	1199.4 mm	1206.5 mm	1213.6 mm
16.5T8/COR/48-850/MF21/G/347V 25/1	26 mm	1199.4 mm	1206.5 mm	1213.6 mm
16.5T8/COR/48-840/MF21/G/347V 25/1	26 mm	1199.4 mm	1206.5 mm	1213.6 mm



Product	D1	D2	A1	A2	A3
16.5T8PRO/48-840/BB21/G 10/1 FB	25.7 mm	26 mm	1200 mm	1207 mm	1214 mm
14T8PRO/48-850/BB18/G 10/1 FB	25.7 mm	28 mm	1198 mm	1205 mm	1212 mm
16.5T8PRO/48-835/BB20/G 10/1 FB	25.7 mm	26 mm	1200 mm	1207 mm	1214 mm
14T8PRO/48-840/BB18/G 10/1 FB	25.7 mm	28 mm	1198 mm	1205 mm	1212 mm
16.5T8PRO/48-830/BB20/G 10/1 FB	25.7 mm	26 mm	1200 mm	1207 mm	1214 mm
14T8PRO/48-830/BB17/G 10/1 FB	25.7 mm	28 mm	1198 mm	1205 mm	1212 mm
16.5T8PRO/48-850/BB21/G 10/1 FB	25.7 mm	26 mm	1200 mm	1207 mm	1214 mm
14T8PRO/48-835/BB17/G 10/1 FB	25.7 mm	28 mm	1198 mm	1205 mm	1212 mm

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Controls and Dimming	
Dimmable	No
Operating and Electrical	
Input Frequency	50 to 60 Hz
Starting Time (Nom)	0.5 s
General Information	
Cap-Base	G13
Nominal Lifetime (Nom)	50000 h
Rated Lifetime (Hours)	50000 h
Switching Cycle	50000X
Light Technical	
Beam Angle (Nom)	240 °
Color Rendering Index (Nom)	80
Llmf At End Of Nominal Lifetime (Nom)	70 %
Rated Beam Angle	240 °
Temperature	
T-Ambient (Max)	45 °C
T-Ambient (Min)	-20 °C
T-Storage (Min)	-40 °C

Operating and Electrical

Order Code	Full Product Name	Voltage (Nom)	Power (Rated) (Nom)
929001363134	16.5T8PRO/48-830/BB20/G 10/1 FB	120-277 V	16.5 W
929001363234	16.5T8PRO/48-835/BB20/G 10/1 FB	120-277 V	16.5 W
929001363334	16.5T8PRO/48-840/BB21/G 10/1 FB	120-277 V	16.5 W
929001363434	16.5T8PRO/48-850/BB21/G 10/1 FB	120-277 V	16.5 W
929001845404	14T8PRO/48-830/BB17/G 10/1 FB	120-277 V	14 W
929001845504	14T8PRO/48-835/BB17/G 10/1 FB	120-277 V	14 W
929001845604	14T8PRO/48-840/BB18/G 10/1 FB	120-277 V	14 W
929001845704	14T8PRO/48-850/BB18/G 10/1 FB	120-277 V	14 W
929002263904	16.5T8/COR/48-835/MF20/G/347V 25/1	347 V	16.5 W
929002264004	16.5T8/COR/48-840/MF21/G/347V 25/1	347 V	16.5 W
929002264104	16.5T8/COR/48-850/MF21/G/347V 25/1	347 V	16.5 W

Light Technical

Order Code	Full Product Name	Color Code	Correlated Color Temperature (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
929001363134	16.5T8PRO/48-830/BB20/G 10/1 FB	830	3000 K	2000 lm	2000 lm
929001363234	16.5T8PRO/48-835/BB20/G 10/1 FB	835	3500 K	2000 lm	2000 lm
929001363334	16.5T8PRO/48-840/BB21/G 10/1 FB	840	4000 K	2100 lm	2100 lm
929001363434	16.5T8PRO/48-850/BB21/G 10/1 FB	850	5000 K	2100 lm	2100 lm
929001845404	14T8PRO/48-830/BB17/G 10/1 FB	830	3000 K	1700 lm	1700 lm
929001845504	14T8PRO/48-835/BB17/G 10/1 FB	835	3500 K	1700 lm	1700 lm

Order Code	Full Product Name	Color Code	Correlated Color Temperature (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
929001845604	14T8PRO/48-840/BB18/G 10/1 FB	840	4000 K	1800 lm	1800 lm
929001845704	14T8PRO/48-850/BB18/G 10/1 FB	850	5000 K	1800 lm	1800 lm
929002263904	16.5T8/COR/48-835/MF20/G/347V 25/1	835	3500 K	2000 lm	2000 lm
929002264004	16.5T8/COR/48-840/MF21/G/347V 25/1	840	4000 K	2100 lm	2100 lm
929002264104	16.5T8/COR/48-850/MF21/G/347V 25/1	850	5000 K	2100 lm	2100 lm

Temperature

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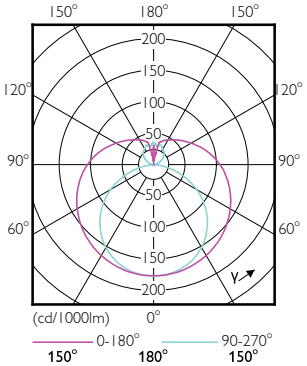
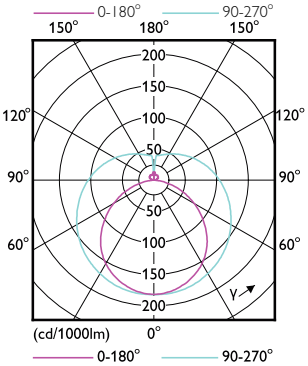
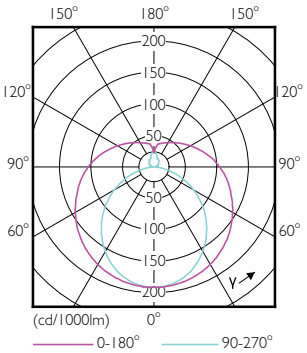
Order Code	Full Product Name	T-Case Maximum (Nom)	T-Storage (Max)
929001363134	16.5T8PRO/48-830/BB20/G 10/1 FB	70 °C	65 °C
929001363234	16.5T8PRO/48-835/BB20/G 10/1 FB	70 °C	65 °C
929001363334	16.5T8PRO/48-840/BB21/G 10/1 FB	70 °C	65 °C
929001363434	16.5T8PRO/48-850/BB21/G 10/1 FB	70 °C	65 °C
929001845404	14T8PRO/48-830/BB17/G 10/1 FB	70 °C	65 °C
929001845504	14T8PRO/48-835/BB17/G 10/1 FB	70 °C	65 °C
929001845604	14T8PRO/48-840/BB18/G 10/1 FB	70 °C	65 °C
929001845704	14T8PRO/48-850/BB18/G 10/1 FB	70 °C	65 °C
929002263904	16.5T8/COR/48-835/MF20/G/ 347V 25/1	55 °C	85 °C
929002264004	16.5T8/COR/48-840/MF21/G/ 347V 25/1	55 °C	85 °C
929002264104	16.5T8/COR/48-850/MF21/G/ 347V 25/1	55 °C	85 °C







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