



Easy, affordable installation, no hidden costs with maximum installation and maintenance savings

CorePro LEDtube MainsFit T8

Philips CorePro MainsFit (UL Type-B) T8 LED lamps use a double-ended design which significantly simplifies installation, saving installation time and costs. This ballast bypass product replaces either T8 or T12 lamps in fixtures 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 less than half the time as single-ended type-B solutions
- Reduces lighting complexity by eliminating the ballast

Features

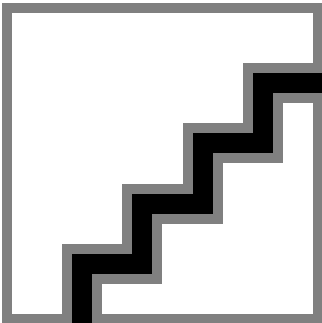
- Operates on both shunted and non-shunted sockets, which means no need to replace sockets
- DLC, NSF and RoHS listed
- Philips proprietary safety features
- 5-year limited warranty and 50,000-hour life standard

CorePro LEDtube MainsFit T8

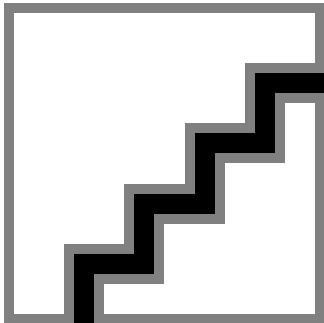
Application

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

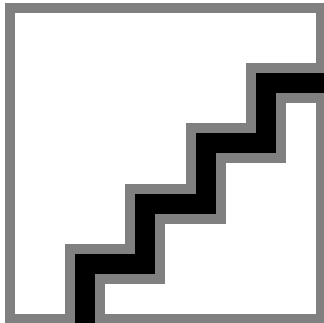
Versions



G13



G13



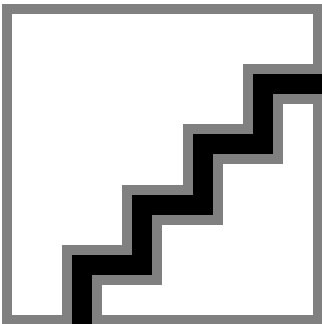
2G13



FA8

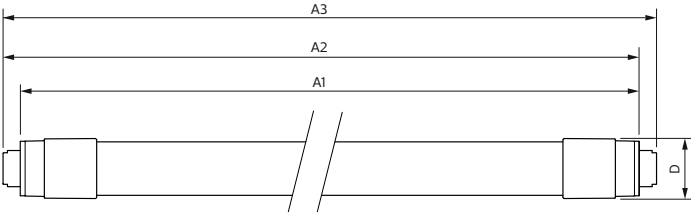
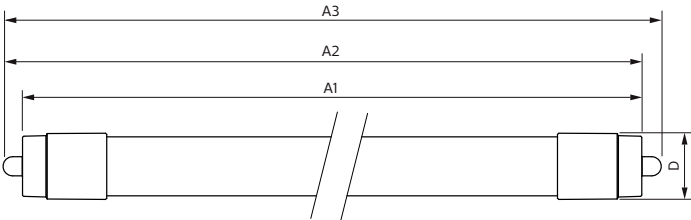
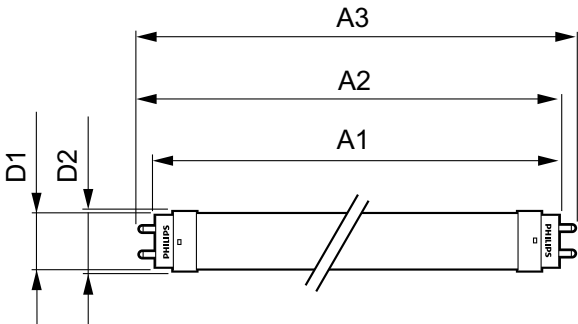
R17d (RDC)

Dimensional drawing



Product	D	A1	A2	A3
8.5T8/COR/24-830/MF11/G 10/1	25.9 mm	589.5 mm	595.7 mm	604 mm
11.5T8/COR/36-835/MF13/G 10/1	25.9 mm	894.3 mm	900.5 mm	908.8 mm
8.5T8/COR/24-835/MF11/G 10/1	25.9 mm	589.5 mm	595.7 mm	604 mm
11.5T8/COR/36-850/MF14/G 10/1	25.9 mm	894.3 mm	900.5 mm	908.8 mm
8.5T8/COR/24-840/MF11/G 10/1	25.9 mm	589.5 mm	595.7 mm	604 mm
11.5T8/COR/36-840/MF14/G 10/1	25.9 mm	894.3 mm	900.5 mm	908.8 mm
8.5T8/COR/24-850/MF11/G 10/1	25.9 mm	589.5 mm	595.7 mm	604 mm
11.5T8/COR/36-830/MF13/G 10/1	25.9 mm	894.3 mm	900.5 mm	908.8 mm

Dimensional drawing



Product	D1	D2	B	A1	D
15.5T8-6U/COR/24-850/MF21/G 10/1	25.7 mm	28.1 mm	152 mm	570 mm	27.9 mm
15.5T8-6U/COR/24-835/MF20/G 10/1	25.7 mm	28.1 mm	152 mm	570 mm	27.9 mm
15.5T8-6U/COR/24-840/MF21/G 10/1	25.7 mm	28.1 mm	152 mm	570 mm	27.9 mm
15.5T8-6U/COR/24-830/MF20/G 10/1	25.7 mm	28.1 mm	152 mm	570 mm	27.9 mm

Product	D1	D2	A1	A2	A3
14T8/COR/48-835/MF17/G 10/1	25.7 mm	28 mm	1198 mm	1205 mm	1212 mm
16.5T8/COR/48-850/MF21/G 10/1	25.7 mm	26 mm	1200 mm	1207 mm	1214 mm
14T8/COR/48-840/MF18/G 10/1	25.7 mm	28 mm	1198 mm	1205 mm	1212 mm
14T8/COR/48-850/MF18/G 10/1	25.7 mm	28 mm	1198 mm	1205 mm	1212 mm
16.5T8/COR/48-835/MF20/G 10/1	25.7 mm	26 mm	1200 mm	1207 mm	1214 mm
14T8/COR/48-830/MF17/G 10/1	25.7 mm	28 mm	1198 mm	1205 mm	1212 mm
16.5T8/COR/48-840/MF21/G 10/1	25.7 mm	26 mm	1200 mm	1207 mm	1214 mm
16.5T8/COR/48-830/MF20/G 10/1	25.7 mm	26 mm	1200 mm	1207 mm	1214 mm

Product	D1	D2	A1	A2	A3
34T8/COR/96-840/MF42/G/FA8 10/1	28 mm	27.9 mm	2369.8 mm	2378.7 mm	2387.8 mm
34T8/COR/96-850/MF42/G/FA8 10/1	28 mm	27.9 mm	2369.8 mm	2378.7 mm	2387.8 mm

Product	D1	D2	A1	A2	A3
44T8HO/COR/96-850/MF54/G/R17d 10/1	28 mm	27.8 mm	2369.8 mm	2378.7 mm	2387.8 mm
44T8HO/COR/96-840/MF54/G/R17d 10/1	28 mm	27.8 mm	2369.8 mm	2378.7 mm	2387.8 mm

CorePro LEDtube MainsFit T8

Controls and Dimming	
Dimmable	No
Operating and Electrical	
Input Frequency	50 to 60 Hz
Voltage (Nom)	120-277 V
General Information	
Nominal Lifetime (Nom)	50000 h
Rated Lifetime (Hours)	50000 h
Switching Cycle	50000X
Light Technical	
Llmf At End Of Nominal Lifetime (Nom)	70 %
Temperature	
T-Ambient (Max)	45 °C
T-Ambient (Min)	-20 °C
T-Storage (Max)	65 °C
T-Storage (Min)	-40 °C

Operating and Electrical

Order Code	Full Product Name	Power (Rated) (Nom)	Starting Time (Nom)
471748	16.5T8/COR/48-830/MF20/G 10/1	16.5 W	0.5 s
471755	16.5T8/COR/48-835/MF20/G 10/1	16.5 W	0.5 s
471763	16.5T8/COR/48-840/MF21/G 10/1	16.5 W	0.5 s
471771	16.5T8/COR/48-850/MF21/G 10/1	16.5 W	0.5 s
477315	14T8/COR/48-830/MF17/G 10/1	14 W	0.5 s
477323	14T8/COR/48-835/MF17/G 10/1	14 W	0.5 s
477331	14T8/COR/48-840/MF18/G 10/1	14 W	0.5 s
477349	14T8/COR/48-850/MF18/G 10/1	14 W	0.5 s
535450	8.5T8/COR/24-830/MF11/G 10/1	8.5 W	0.9 s
535468	8.5T8/COR/24-835/MF11/G 10/1	8.5 W	0.9 s
535476	8.5T8/COR/24-840/MF11/G 10/1	8.5 W	0.9 s
535484	8.5T8/COR/24-850/MF11/G 10/1	8.5 W	0.9 s
535492	11.5T8/COR/36-830/MF13/G 10/1	11.5 W	0.9 s
535500	11.5T8/COR/36-835/MF13/G 10/1	11.5 W	0.9 s
535518	11.5T8/COR/36-840/MF14/G 10/1	11.5 W	0.9 s
535526	11.5T8/COR/36-850/MF14/G 10/1	11.5 W	0.9 s
535534	15.5T8-6U/COR/24-830/MF20/G 10/1	15.5 W	0.9 s
535542	15.5T8-6U/COR/24-835/MF20/G 10/1	15.5 W	0.9 s
535559	15.5T8-6U/COR/24-840/MF21/G 10/1	15.5 W	0.9 s
535567	15.5T8-6U/COR/24-850/MF21/G 10/1	15.5 W	0.9 s
545269	34T8/COR/96-840/MF42/G/FA8 10/1	34 W	0.5 s
545277	34T8/COR/96-850/MF42/G/FA8 10/1	34 W	0.5 s
545285	44T8HO/COR/96-840/MF54/G/R17d 10/1	44 W	0.5 s
545293	44T8HO/COR/96-850/MF54/G/R17d 10/1	44 W	0.5 s

General Information

Order Code	Full Product Name	Cap-Base	Order Code	Full Product Name	Cap-Base
471748	16.5T8/COR/48-830/MF20/G 10/1	G13	535492	11.5T8/COR/36-830/MF13/G 10/1	G13
471755	16.5T8/COR/48-835/MF20/G 10/1	G13	535500	11.5T8/COR/36-835/MF13/G 10/1	G13
471763	16.5T8/COR/48-840/MF21/G 10/1	G13	535518	11.5T8/COR/36-840/MF14/G 10/1	G13
471771	16.5T8/COR/48-850/MF21/G 10/1	G13	535526	11.5T8/COR/36-850/MF14/G 10/1	G13
477315	14T8/COR/48-830/MF17/G 10/1	G13	535534	15.5T8-6U/COR/24-830/MF20/G 10/1	2G13
477323	14T8/COR/48-835/MF17/G 10/1	G13	535542	15.5T8-6U/COR/24-835/MF20/G 10/1	2G13
477331	14T8/COR/48-840/MF18/G 10/1	G13	535559	15.5T8-6U/COR/24-840/MF21/G 10/1	2G13
477349	14T8/COR/48-850/MF18/G 10/1	G13	535567	15.5T8-6U/COR/24-850/MF21/G 10/1	2G13
535450	8.5T8/COR/24-830/MF11/G 10/1	G13	545269	34T8/COR/96-840/MF42/G/FA8 10/1	FA8
535468	8.5T8/COR/24-835/MF11/G 10/1	G13	545277	34T8/COR/96-850/MF42/G/FA8 10/1	FA8
535476	8.5T8/COR/24-840/MF11/G 10/1	G13	545285	44T8HO/COR/96-840/MF54/G/R17d 10/1	R17D
535484	8.5T8/COR/24-850/MF11/G 10/1	G13	545293	44T8HO/COR/96-850/MF54/G/R17d 10/1	R17D

Light Technical (1/2)

		Beam	Correlated Color		Color
Order		Angle	Color	Temperature	Rendering
Code	Full Product Name	(Nom)	Code	(Nom)	Index (Nom)
471748	16.5T8/COR/48-830/MF20/G 10/1	240 °	830	3000 K	80
471755	16.5T8/COR/48-835/MF20/G 10/1	240 °	835	3500 K	80
		Beam	Correlated Color		Color
Order		Angle	Color	Temperature	Rendering
Code	Full Product Name	(Nom)	Code	(Nom)	Index (Nom)
471763	16.5T8/COR/48-840/MF21/G 10/1	240 °	841	4000 K	80
471771	16.5T8/COR/48-850/MF21/G 10/1	240 °	850	5000 K	80

CorePro LEDtube MainsFit T8

Order		Beam		Correlated Color	Color
Code	Full Product Name	Angle (Nom)	Color Code	Temperature (Nom)	Rendering Index (Nom)
477315	14T8/COR/48-830/MF17/G 10/1	240 °	830	3000 K	80
477323	14T8/COR/48-835/MF17/G 10/1	240 °	835	3500 K	80
477331	14T8/COR/48-840/MF18/G 10/1	240 °	841	4000 K	80
477349	14T8/COR/48-850/MF18/G 10/1	240 °	850	5000 K	80
535450	8.5T8/COR/24-830/MF11/G 10/1	180 °	830	3000 K	82
535468	8.5T8/COR/24-835/MF11/G 10/1	180 °	835	3500 K	82
535476	8.5T8/COR/24-840/MF11/G 10/1	180 °	841	4000 K	82
535484	8.5T8/COR/24-850/MF11/G 10/1	180 °	850	5000 K	82
535492	11.5T8/COR/36-830/MF13/G 10/1	180 °	830	3000 K	82
535500	11.5T8/COR/36-835/MF13/G 10/1	180 °	835	3500 K	82
535518	11.5T8/COR/36-840/MF14/G 10/1	180 °	841	4000 K	82

Light Technical (2/2)

Order		Luminous Flux	Luminous Flux	Rated
Code	Full Product Name	(Nom)	(Rated) (Nom)	Beam Angle
471748	16.5T8/COR/48-830/MF20/G 10/1	2000 lm	2000 lm	240 °
471755	16.5T8/COR/48-835/MF20/G 10/1	2000 lm	2000 lm	240 °
471763	16.5T8/COR/48-840/MF21/G 10/1	2100 lm	2100 lm	240 °
471771	16.5T8/COR/48-850/MF21/G 10/1	2100 lm	2100 lm	240 °
477315	14T8/COR/48-830/MF17/G 10/1	1700 lm	1700 lm	240 °
477323	14T8/COR/48-835/MF17/G 10/1	1700 lm	1700 lm	240 °
477331	14T8/COR/48-840/MF18/G 10/1	1800 lm	1800 lm	240 °
477349	14T8/COR/48-850/MF18/G 10/1	1800 lm	1800 lm	240 °
535450	8.5T8/COR/24-830/MF11/G 10/1	1100 lm	1100 lm	180 °
535468	8.5T8/COR/24-835/MF11/G 10/1	1100 lm	1100 lm	180 °
535476	8.5T8/COR/24-840/MF11/G 10/1	1150 lm	1150 lm	180 °

Order		Beam		Correlated Color	Color
Code	Full Product Name	Angle (Nom)	Color Code	Temperature (Nom)	Rendering Index (Nom)
535526	11.5T8/COR/36-850/MF14/G 10/1	180 °	850	5000 K	82
535534	15.5T8-6U/COR/24-830/MF20/G 10/1	180 °	830	3000 K	82
535542	15.5T8-6U/COR/24-835/MF20/G 10/1	180 °	835	3500 K	82
535559	15.5T8-6U/COR/24-840/MF21/G 10/1	180 °	841	4000 K	82
535567	15.5T8-6U/COR/24-850/MF21/G 10/1	180 °	850	5000 K	82
545269	34T8/COR/96-840/MF42/G/FA8 10/1	240 °	841	4000 K	82
545277	34T8/COR/96-850/MF42/G/FA8 10/1	240 °	850	5000 K	82
545285	44T8HO/COR/96-840/MF54/G/R17d 10/1	240 °	841	4000 K	82
545293	44T8HO/COR/96-850/MF54/G/R17d 10/1	240 °	850	5000 K	82

Order		Luminous Flux	Luminous Flux	Rated
Code	Full Product Name	(Nom)	(Rated) (Nom)	Beam Angle
535484	8.5T8/COR/24-850/MF11/G 10/1	1150 lm	1150 lm	180 °
535492	11.5T8/COR/36-830/MF13/G 10/1	1300 lm	1300 lm	180 °
535500	11.5T8/COR/36-835/MF13/G 10/1	1300 lm	1300 lm	180 °
535518	11.5T8/COR/36-840/MF14/G 10/1	1400 lm	1400 lm	180 °
535526	11.5T8/COR/36-850/MF14/G 10/1	1400 lm	1400 lm	180 °
535534	15.5T8-6U/COR/24-830/MF20/G 10/1	2000 lm	2000 lm	180 °
535542	15.5T8-6U/COR/24-835/MF20/G 10/1	2000 lm	2000 lm	180 °
535559	15.5T8-6U/COR/24-840/MF21/G 10/1	2100 lm	2100 lm	180 °
535567	15.5T8-6U/COR/24-850/MF21/G 10/1	2100 lm	2100 lm	180 °
545269	34T8/COR/96-840/MF42/G/FA8 10/1	4200 lm	4200 lm	240 °
545277	34T8/COR/96-850/MF42/G/FA8 10/1	4200 lm	4200 lm	240 °

CorePro LEDtube MainsFit T8

Order		Luminous Flux	Luminous Flux	Rated
Code	Full Product Name	(Nom)	(Rated) (Nom)	Beam Angle
545285	44T8HO/COR/96-840/ MF54/G/R17d 10/1	5400 lm	5400 lm	240 °

Order		Luminous Flux	Luminous Flux	Rated
Code	Full Product Name	(Nom)	(Rated) (Nom)	Beam Angle
545293	44T8HO/COR/96-850/ MF54/G/R17d 10/1	5400 lm	5400 lm	240 °

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
471748	16.5T8/COR/48-830/MF20/G 10/1	70 °C
471755	16.5T8/COR/48-835/MF20/G 10/1	70 °C
471763	16.5T8/COR/48-840/MF21/G 10/1	70 °C
471771	16.5T8/COR/48-850/MF21/G 10/1	70 °C
477315	14T8/COR/48-830/MF17/G 10/1	70 °C
477323	14T8/COR/48-835/MF17/G 10/1	70 °C
477331	14T8/COR/48-840/MF18/G 10/1	70 °C
477349	14T8/COR/48-850/MF18/G 10/1	70 °C
535450	8.5T8/COR/24-830/MF11/G 10/1	50 °C
535468	8.5T8/COR/24-835/MF11/G 10/1	50 °C
535476	8.5T8/COR/24-840/MF11/G 10/1	50 °C
535484	8.5T8/COR/24-850/MF11/G 10/1	50 °C
535492	11.5T8/COR/36-830/MF13/G 10/1	50 °C
535500	11.5T8/COR/36-835/MF13/G 10/1	50 °C
535518	11.5T8/COR/36-840/MF14/G 10/1	50 °C
535526	11.5T8/COR/36-850/MF14/G 10/1	50 °C
535534	15.5T8-6U/COR/24-830/MF20/G 10/1	51 °C
535542	15.5T8-6U/COR/24-835/MF20/G 10/1	51 °C
535559	15.5T8-6U/COR/24-840/MF21/G 10/1	51 °C
535567	15.5T8-6U/COR/24-850/MF21/G 10/1	51 °C
545269	34T8/COR/96-840/MF42/G/FA8 10/1	45 °C
545277	34T8/COR/96-850/MF42/G/FA8 10/1	45 °C
545285	44T8HO/COR/96-840/MF54/G/R17d 10/1	55 °C
545293	44T8HO/COR/96-850/MF54/G/R17d 10/1	55 °C

