



The perfect lamp for ESCO projects, CorePro MainsFit (UL Type B) LED lamps provide a solution for most LED tube applications with a focus on efficacy and performance.

CorePro MainsFit (UL Type-B) T8

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.

CorePro MainsFit (UL Type-B) T8

Benefits

- Choose the light level and energy savings that suit your needs
- Installation simplicity: Can be used with both shunted and un-shunted sockets
- Emergency Capable: Compatible with the new PTB15D emergency driver or the Bodine ELI-S series emergency inverters (up to 15w lamps)

Features

- DLC listed and affordable
- Glass tube with 240° illumination angle
- Available in variety of lengths 2', 3', 4', 8' and Ubend
- Lifetime delivered: Average life rating of 50,000 hours
- 5-year limited warranty (For more information on Philips' limited warranty please visit philips.com/warranties)

Application

- Warehouses
- Schools
- Offices

Versions



12T8 COR 5CCT MF15 20240307



LEDtube 14-16.5W G13 830-850 ND BB17-21



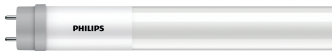
43T8 COR 96 5CCT



8-5W G13

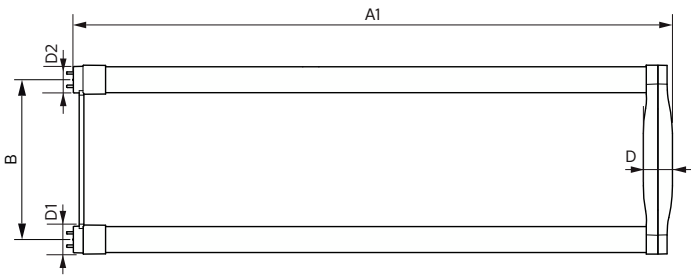


7T8 COR 5CCT MF9 20240307



Product standard image

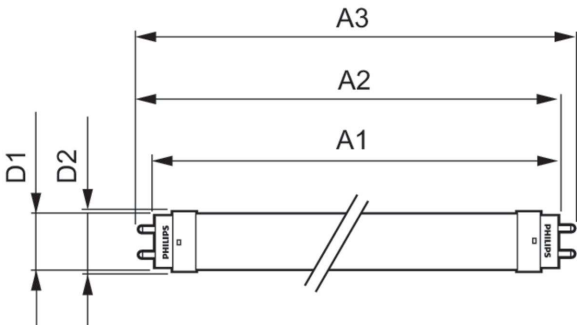
Dimensional drawing



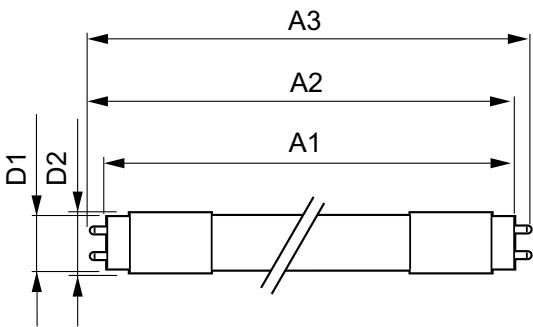
Product	D1	D2	B	A1	D
15.5T8-6U/COR/24-830/MF20/G 10/1	25.7 mm	28.1 mm	152 mm	570 mm	27.9 mm
15.5T8-6U/COR/24-835/MF20/G 10/1	25.7 mm	28.1 mm	152 mm	570 mm	27.9 mm
15.5T8-6U/COR/24-840/MF21/G 10/1	25.7 mm	28.1 mm	152 mm	570 mm	27.9 mm
15.5T8-6U/COR/24-850/MF21/G 10/1	25.7 mm	28.1 mm	152 mm	570 mm	27.9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

CorePro MainsFit (UL Type-B) T8

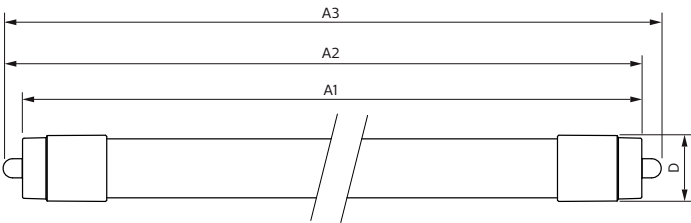
Dimensional drawing



Product	D1	D2	A1	A2	A3
12T8/COR/48-830/MF17/G/DIM 25/1	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
12T8/COR/48-835/MF17/G/DIM 25/1	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
12T8/COR/48-840/MF18/G/DIM 25/1	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
12T8/COR/48-850/MF18/G/DIM 25/1	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
14.5T8/COR/48-830/MF20/G/DIM 25/1	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
14.5T8/COR/48-835/MF20/G/DIM 25/1	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
14.5T8/COR/48-840/MF21/G 10/1	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
14.5T8/COR/48-840/MF21/G/DIM 25/1	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
14.5T8/COR/48-850/MF21/G/DIM 25/1	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
9.9T8/COR/48-835/MF15/G/DIM 25/1	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
9.9T8/COR/48-840/MF16/G/DIM 25/1	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
9.9T8/COR/48-850/MF16/G/DIM 25/1	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm



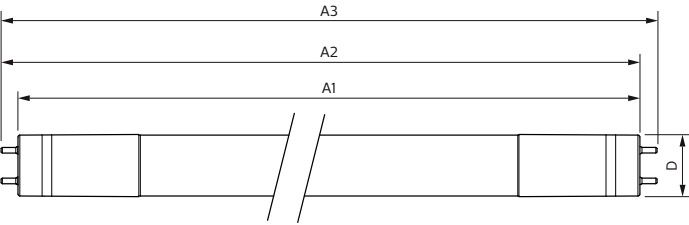
Product	D1	D2	A1	A2	A3
12T8/COR/36-5CCT/MF15/G/ 120-347V 25/1	25.7 mm	29 mm	894.6 mm	901.7 mm	908.8 mm
7T8/COR/18-5CCT/MF9/G 25/1	25.7 mm	28 mm	436.2 mm	443.3 mm	450.4 mm
7T8/COR/24-5CCT/MF9/G/ 120-347V 25/1	25.7 mm	29 mm	589.8 mm	596.9 mm	604 mm



Product	D1	D2	A1	A2	A3
43T8/COR/96-5CCT/MF52LS/G/ FA8-R17D 10/1	27.9 mm		2,369.8 mm	2,378.7 mm	2,387.8 mm

CorePro MainsFit (UL Type-B) T8

Dimensional drawing



Product	D1	D2	A1	A2	A3
11.5T8/COR/36-840/MF14/G 10/1	25.9 mm	894.3 mm	900.5 mm	908.8 mm	
15T8/COR/48-835/MF20/G/ 120-347V 25/1	25.7 mm	29 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
15T8/COR/48-840/MF21/G/ 120-347V 25/1	25.7 mm	29 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
15T8/COR/48-850/MF21/G/ 120-347V 25/1	25.7 mm	29 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
8.5T8/COR/24-830/MF11/G 10/1	25.9 mm	589.5 mm	595.7 mm	604 mm	
8.5T8/COR/24-840/MF11/G 10/1	25.9 mm	589.5 mm	595.7 mm	604 mm	

General Information	
Switching Cycle	50,000
Nominal lifetime	50,000 hour(s)
Light Technical	
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Input Frequency	50 to 60 Hz
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Shape	T8

General Information

Order Code	Full Product Name	Cap-Base
929003795804	12T8/COR/36-5CCT/MF15/G/120-347V 25/1	G13
929002484604	14.5T8/COR/48-840/MF21/G 10/1	G13
929003523704	9.9T8/COR/48-835/MF15/G/DIM 25/1	G13
929003523804	9.9T8/COR/48-840/MF16/G/DIM 25/1	G13
929003523904	9.9T8/COR/48-850/MF16/G/DIM 25/1	G13
929003524104	12T8/COR/48-830/MF17/G/DIM 25/1	G13
929003524204	12T8/COR/48-835/MF17/G/DIM 25/1	G13
929003524304	12T8/COR/48-840/MF18/G/DIM 25/1	G13
929003524404	12T8/COR/48-850/MF18/G/DIM 25/1	G13
929003524604	14.5T8/COR/48-830/MF20/G/DIM 25/1	G13
929003524704	14.5T8/COR/48-835/MF20/G/DIM 25/1	G13
929003524804	14.5T8/COR/48-840/MF21/G/DIM 25/1	G13
929003524904	14.5T8/COR/48-850/MF21/G/DIM 25/1	G13

Order Code	Full Product Name	Cap-Base
929003815504	43T8/COR/96-5CCT/MF52LS/G/FA8-R17D 10/1	FA8/R17D
929001934604	15.5T8-6U/COR/24-830/MF20/G 10/1	2G13
929001934704	15.5T8-6U/COR/24-835/MF20/G 10/1	2G13
929001934804	15.5T8-6U/COR/24-840/MF21/G 10/1	2G13
929001934904	15.5T8-6U/COR/24-850/MF21/G 10/1	2G13
929001933804	8.5T8/COR/24-830/MF11/G 10/1	G13
929001934004	8.5T8/COR/24-840/MF11/G 10/1	G13
929001934404	11.5T8/COR/36-840/MF14/G 10/1	G13
929004244604	7T8/COR/18-5CCT/MF9/G 25/1	G13
929003795704	7T8/COR/24-5CCT/MF9/G/120-347V 25/1	G13
929003523304	15T8/COR/48-835/MF20/G/120-347V 25/1	G13
929003523404	15T8/COR/48-840/MF21/G/120-347V 25/1	G13
929003523504	15T8/COR/48-850/MF21/G/120-347V 25/1	G13

Light Technical

CorePro MainsFit (UL Type-B) T8

Order Code	Full Product Name	Correlated Color Temperature		Color rendering		Luminous Flux
		Beam Angle (Nom)	(Nom)	index (CRI)	Color Code	
929003795804	12T8/COR/36-5CCT/MF15/G/120-347V 25/1	220 degree(s)	3000 K	80	3000K/3500K/ 4000K/5000K/6500K	1,550 lm
929002484604	14.5T8/COR/48-840/MF21/G 10/1	240 degree(s)	4000 K	80	840	2,100 lm
929003523704	9.9T8/COR/48-835/MF15/G/DIM 25/1	240 degree(s)	3500 K	80	835	1,550 lm
929003523804	9.9T8/COR/48-840/MF16/G/DIM 25/1	240 degree(s)	4000 K	80	840	1,600 lm
929003523904	9.9T8/COR/48-850/MF16/G/DIM 25/1	240 degree(s)	5000 K	80	850	1,600 lm
929003524104	12T8/COR/48-830/MF17/G/DIM 25/1	240 degree(s)	3000 K	80	830	1,700 lm
929003524204	12T8/COR/48-835/MF17/G/DIM 25/1	240 degree(s)	3500 K	80	835	1,700 lm
929003524304	12T8/COR/48-840/MF18/G/DIM 25/1	240 degree(s)	4000 K	80	840	1,800 lm
929003524404	12T8/COR/48-850/MF18/G/DIM 25/1	240 degree(s)	5000 K	80	850	1,800 lm
929003524604	14.5T8/COR/48-830/MF20/G/DIM 25/1	240 degree(s)	3000 K	80	830	2,000 lm
929003524704	14.5T8/COR/48-835/MF20/G/DIM 25/1	240 degree(s)	3500 K	80	835	2,000 lm
929003524804	14.5T8/COR/48-840/MF21/G/DIM 25/1	240 degree(s)	4000 K	80	840	2,100 lm
929003524904	14.5T8/COR/48-850/MF21/G/DIM 25/1	240 degree(s)	5000 K	80	850	2,100 lm
929003815504	43T8/COR/96-5CCT/MF52LS/G/FA8-R17D 10/1	220 degree(s)	Selectable	80	3000K/3500K/ 4000K/5000K/6500K	3,400 lm
929001934604	15.5T8-6U/COR/24-830/MF20/G 10/1	180 degree(s)	3000 K	82	830	2,000 lm
929001934704	15.5T8-6U/COR/24-835/MF20/G 10/1	180 degree(s)	3500 K	82	835	2,000 lm
929001934804	15.5T8-6U/COR/24-840/MF21/G 10/1	180 degree(s)	4000 K	82	840	2,100 lm
929001934904	15.5T8-6U/COR/24-850/MF21/G 10/1	180 degree(s)	5000 K	82	850	2,100 lm
929001933804	8.5T8/COR/24-830/MF11/G 10/1	180 degree(s)	3000 K	82	830	1,100 lm
929001934004	8.5T8/COR/24-840/MF11/G 10/1	180 degree(s)	4000 K	82	840	1,150 lm
929001934404	11.5T8/COR/36-840/MF14/G 10/1	180 degree(s)	4000 K	82	840	1,400 lm
929004244604	7T8/COR/18-5CCT/MF9/G 25/1	220 degree(s)	3000 K	80	3000K/3500K/ 4000K/5000K/6500K	900 lm
929003795704	7T8/COR/24-5CCT/MF9/G/120-347V 25/1	220 degree(s)	3000 K	80	3000K/3500K/ 4000K/5000K/6500K	950 lm
929003523304	15T8/COR/48-835/MF20/G/120-347V 25/1	240 degree(s)	3500 K	80	835	2,000 lm
929003523404	15T8/COR/48-840/MF21/G/120-347V 25/1	240 degree(s)	4000 K	80	840	2,100 lm
929003523504	15T8/COR/48-850/MF21/G/120-347V 25/1	240 degree(s)	5000 K	80	850	2,100 lm

Operating and Electrical

Order Code	Full Product Name	Line Frequency	Power Consumption	Starting	
				Time (Nom)	Wattage Equivalent
929003795804	12T8/COR/36-5CCT/MF15/G/120-347V 25/1	-	12 W	0.5 s	25 W
929002484604	14.5T8/COR/48-840/MF21/G 10/1	50 to 60 Hz	14.5 W	0.5 s	32 W
929003523704	9.9T8/COR/48-835/MF15/G/DIM 25/1	50 to 60 Hz	9.9 W	0.5 s	32 W
929003523804	9.9T8/COR/48-840/MF16/G/DIM 25/1	50 to 60 Hz	9.9 W	0.5 s	32 W

Order Code	Full Product Name	Line Frequency	Power Consumption	Starting	
				Time (Nom)	Wattage Equivalent
929003523904	9.9T8/COR/48-850/MF16/G/DIM 25/1	50 to 60 Hz	9.9 W	0.5 s	32 W
929003524104	12T8/COR/48-830/MF17/G/DIM 25/1	50 to 60 Hz	12 W	0.5 s	32 W
929003524204	12T8/COR/48-835/MF17/G/DIM 25/1	50 to 60 Hz	12 W	0.5 s	32 W
929003524304	12T8/COR/48-840/	50 to 60 Hz	12 W	0.5 s	32 W

CorePro MainsFit (UL Type-B) T8

Order Code	Full Product Name	Line Frequency	Power Consumption	Starting	
				Time (Nom)	Wattage Equivalent
929003524404	MF18/G/DIM 25/1	50 to 60 Hz	12 W	0.5 s	32 W
	12T8/COR/48-850/MF18/G/DIM 25/1				
929003524604	14.5T8/COR/48-830/MF20/G/DIM 25/1	50 to 60 Hz	14.5 W	0.5 s	32 W
	14.5T8/COR/48-835/MF20/G/DIM 25/1				
929003524704	14.5T8/COR/48-835/MF20/G/DIM 25/1	50 to 60 Hz	14.5 W	0.5 s	32 W
	14.5T8/COR/48-840/MF21/G/DIM 25/1				
929003524804	14.5T8/COR/48-840/MF21/G/DIM 25/1	50 to 60 Hz	14.5 W	0.5 s	32 W
	14.5T8/COR/48-850/MF21/G/DIM 25/1				
929003815504	43T8/COR/96-5CCT/MF52LS/G/FA8-R17D 10/1	-	26	0.5 s	110 W
	15.5T8-6U/CO R/24-830/MF20/G 10/1				
929001934604	15.5T8-6U/CO R/24-835/MF20/G 10/1	50 to 60 Hz	15.5 W	0.9 s	32 W
	15.5T8-6U/CO R/24-840/MF21/G 10/1				
929001934804	15.5T8-6U/CO R/24-840/MF21/G 10/1	50 to 60 Hz	15.5 W	0.9 s	32 W
	15.5T8-6U/CO R/24-850/MF21/G 10/1				

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
929003795804	12T8/COR/36-5CCT/MF15/G/120-347V 25/1	60 °C
929002484604	14.5T8/COR/48-840/MF21/G 10/1	70 °C
929003523704	9.9T8/COR/48-835/MF15/G/DIM 25/1	70 °C
929003523804	9.9T8/COR/48-840/MF16/G/DIM 25/1	70 °C
929003523904	9.9T8/COR/48-850/MF16/G/DIM 25/1	70 °C
929003524104	12T8/COR/48-830/MF17/G/DIM 25/1	70 °C
929003524204	12T8/COR/48-835/MF17/G/DIM 25/1	70 °C
929003524304	12T8/COR/48-840/MF18/G/DIM 25/1	70 °C
929003524404	12T8/COR/48-850/MF18/G/DIM 25/1	70 °C
929003524604	14.5T8/COR/48-830/MF20/G/DIM 25/1	70 °C

Order Code	Full Product Name	Line Frequency	Power Consumption	Starting	
				Time (Nom)	Wattage Equivalent
929001934904	15.5T8-6U/CO R/24-850/MF21/G 10/1	50 to 60 Hz	15.5 W	0.9 s	32 W
	8.5T8/COR/24-830/MF11/G 10/1				
929001933804	8.5T8/COR/24-830/MF11/G 10/1	50 to 60 Hz	8.5 W	0.9 s	17 W
	8.5T8/COR/24-840/MF11/G 10/1				
929001934004	8.5T8/COR/24-840/MF11/G 10/1	50 to 60 Hz	8.5 W	0.9 s	17 W
	11.5T8/COR/36-840/MF14/G 10/1				
929004244604	7T8/COR/18-5CCT/MF9/G 25/1	-	7 W	0.5 s	15 W
	7T8/COR/24-5CCT/MF9/G/120-347V 25/1				
929003795704	7T8/COR/24-5CCT/MF9/G/120-347V 25/1	-	7 W	0.5 s	17 W
	15T8/COR/48-835/MF20/G/120-347V 25/1				
929003523304	15T8/COR/48-835/MF20/G/120-347V 25/1	50 to 60 Hz	15 W	0.5 s	-
	15T8/COR/48-840/MF21/G/120-347V 25/1				
929003523404	15T8/COR/48-840/MF21/G/120-347V 25/1	50 to 60 Hz	15 W	0.5 s	-
	15T8/COR/48-850/MF21/G/120-347V 25/1				
929003523504	15T8/COR/48-850/MF21/G/120-347V 25/1	50 to 60 Hz	15 W	0.5 s	-

CorePro MainsFit (UL Type-B) T8

Order Code	Full Product Name	T-Case Maximum (Nom)
929001934404	11.5T8/COR/36-840/MF14/G 10/1	50 °C
929004244604	7T8/COR/18-5CCT/MF9/G 25/1	60 °C
929003795704	7T8/COR/24-5CCT/MF9/G/120-347V 25/1	60 °C

Controls and Dimming

Order Code	Full Product Name	Dimmable
929003795804	12T8/COR/36-5CCT/MF15/G/120-347V 25/1	Limited
929002484604	14.5T8/COR/48-840/MF21/G 10/1	Limited
929003523704	9.9T8/COR/48-835/MF15/G/DIM 25/1	Only with specific dimmers
929003523804	9.9T8/COR/48-840/MF16/G/DIM 25/1	Only with specific dimmers
929003523904	9.9T8/COR/48-850/MF16/G/DIM 25/1	Only with specific dimmers
929003524104	12T8/COR/48-830/MF17/G/DIM 25/1	Only with specific dimmers
929003524204	12T8/COR/48-835/MF17/G/DIM 25/1	Only with specific dimmers
929003524304	12T8/COR/48-840/MF18/G/DIM 25/1	Only with specific dimmers
929003524404	12T8/COR/48-850/MF18/G/DIM 25/1	Only with specific dimmers
929003524604	14.5T8/COR/48-830/MF20/G/DIM 25/1	Only with specific dimmers
929003524704	14.5T8/COR/48-835/MF20/G/DIM 25/1	Only with specific dimmers

Approval and Application

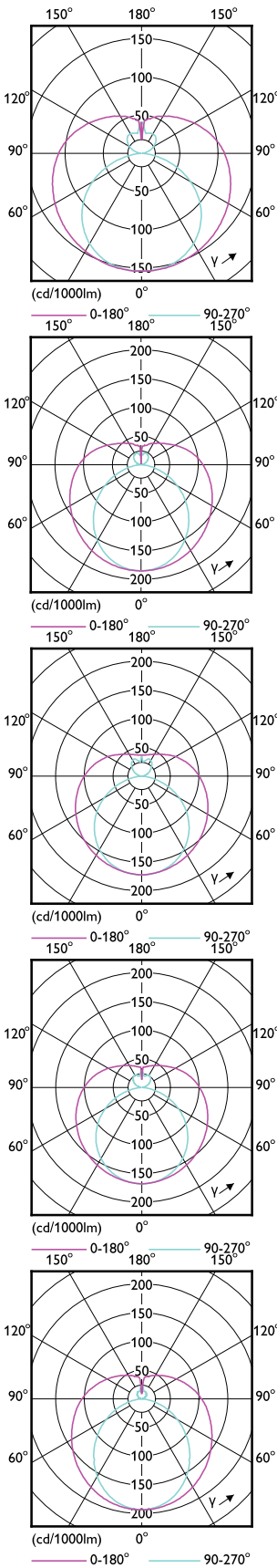
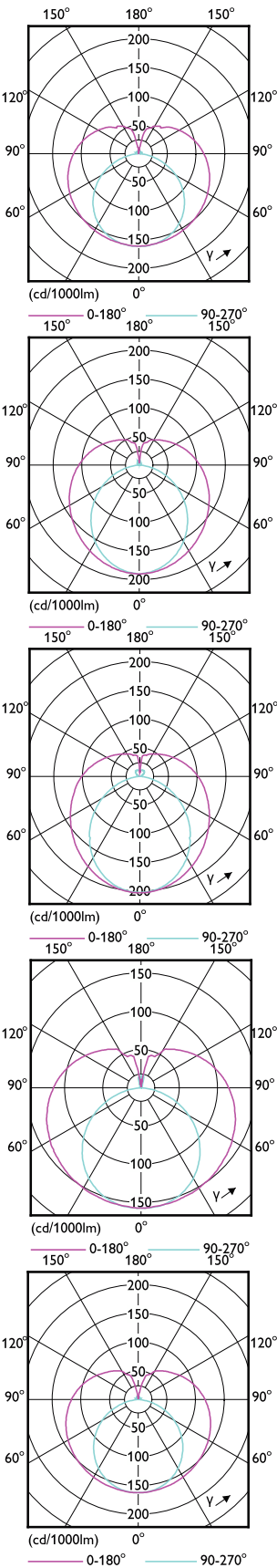
Order Code	Full Product Name	Ambient temperature range
929003795804	12T8/COR/36-5CCT/MF15/G/120-347V 25/1	-20 to +45 °C
929002484604	14.5T8/COR/48-840/MF21/G 10/1	-20 °C to 45 °C
929003523704	9.9T8/COR/48-835/MF15/G/DIM 25/1	-20 °C to 45 °C
929003523804	9.9T8/COR/48-840/MF16/G/DIM 25/1	-20 °C to 45 °C
929003523904	9.9T8/COR/48-850/MF16/G/DIM 25/1	-20 °C to 45 °C
929003524104	12T8/COR/48-830/MF17/G/DIM 25/1	-20 °C to 45 °C
929003524204	12T8/COR/48-835/MF17/G/DIM 25/1	-20 °C to 45 °C
929003524304	12T8/COR/48-840/MF18/G/DIM 25/1	-20 °C to 45 °C
929003524404	12T8/COR/48-850/MF18/G/DIM 25/1	-20 °C to 45 °C
929003524604	14.5T8/COR/48-830/MF20/G/DIM 25/1	-20 °C to 45 °C
929003524704	14.5T8/COR/48-835/MF20/G/DIM 25/1	-20 °C to 45 °C
929003524804	14.5T8/COR/48-840/MF21/G/DIM 25/1	-20 °C to 45 °C
929003524904	14.5T8/COR/48-850/MF21/G/DIM 25/1	-20 °C to 45 °C
929003815504	43T8/COR/96-5CCT/MF52LS/G/FA8-R17D 10/1	-20 to +45 °C
929001934604	15.5T8-6U/COR/24-830/MF20/G 10/1	-20 °C to 45 °C
929001934704	15.5T8-6U/COR/24-835/MF20/G 10/1	-20 °C to 45 °C
929001934804	15.5T8-6U/COR/24-840/MF21/G 10/1	-20 °C to 45 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
929003523304	15T8/COR/48-835/MF20/G/120-347V 25/1	70 °C
929003523404	15T8/COR/48-840/MF21/G/120-347V 25/1	70 °C
929003523504	15T8/COR/48-850/MF21/G/120-347V 25/1	70 °C

Order Code	Full Product Name	Dimmable
929003524804	14.5T8/COR/48-840/MF21/G/DIM 25/1	Only with specific dimmers
929003524904	14.5T8/COR/48-850/MF21/G/DIM 25/1	Only with specific dimmers
929003815504	43T8/COR/96-5CCT/MF52LS/G/FA8-R17D 10/1	Limited
929001934604	15.5T8-6U/COR/24-830/MF20/G 10/1	No
929001934704	15.5T8-6U/COR/24-835/MF20/G 10/1	No
929001934804	15.5T8-6U/COR/24-840/MF21/G 10/1	No
929001934904	15.5T8-6U/COR/24-850/MF21/G 10/1	No
929001933804	8.5T8/COR/24-830/MF11/G 10/1	No
929001934004	8.5T8/COR/24-840/MF11/G 10/1	No
929001934404	11.5T8/COR/36-840/MF14/G 10/1	No
929004244604	7T8/COR/18-5CCT/MF9/G 25/1	No
929003795704	7T8/COR/24-5CCT/MF9/G/120-347V 25/1	Limited
929003523304	15T8/COR/48-835/MF20/G/120-347V 25/1	Limited
929003523404	15T8/COR/48-840/MF21/G/120-347V 25/1	Limited
929003523504	15T8/COR/48-850/MF21/G/120-347V 25/1	Limited

Order Code	Full Product Name	Ambient temperature range
929001934904	15.5T8-6U/COR/24-850/MF21/G 10/1	-20 °C to 45 °C
929001933804	8.5T8/COR/24-830/MF11/G 10/1	-20 °C to 45 °C
929001934004	8.5T8/COR/24-840/MF11/G 10/1	-20 °C to 45 °C
929001934404	11.5T8/COR/36-840/MF14/G 10/1	-20 °C to 45 °C
929004244604	7T8/COR/18-5CCT/MF9/G 25/1	-20 to +45 °C
929003795704	7T8/COR/24-5CCT/MF9/G/120-347V 25/1	-20 to +45 °C
929003523304	15T8/COR/48-835/MF20/G/120-347V 25/1	-20 °C to 45 °C
929003523404	15T8/COR/48-840/MF21/G/120-347V 25/1	-20 °C to 45 °C
929003523504	15T8/COR/48-850/MF21/G/120-347V 25/1	-20 °C to 45 °C

CorePro MainsFit (UL Type-B) T8



CorePro MainsFit (UL Type-B) T8

