



Perfect for ESCO projects, the MasterClass MainsFit (UL Type B) TLED lamps are DLC certified maximizing energy savings and rebate opportunities.

MasterClass MainsFit (UL Type-B) T8

The MasterClass MainsFit (UL Type B) T8 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 (70k hours), surge suppression and industry leading safety features. All lamps in the MasterClass 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 MasterClass MainsFit lamp type.

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Benefits

- Easy install: All Philips MasterClass MainsFit lamps are double-ended for faster installs
- Maximum durability: Available in plastic for the best anti-shatter performance
- Emergency Capable: Compatible with the new PTB15D emergency driver or the Bodine ELI-S series emergency inverters (up to 15w lamps)

Features

- Ballast bypass: UL Type B
- Lifetime delivered: 70,000hr average life rating
- Available size: 4ft T8 with 3 different lumen output choices
- Proven over 40% energy savings compared to traditional fluorescent lighting
- DLC certified: All MasterClass MainsFit lamps are DLC listed

Application

- Warehouses
- Schools
- Offices

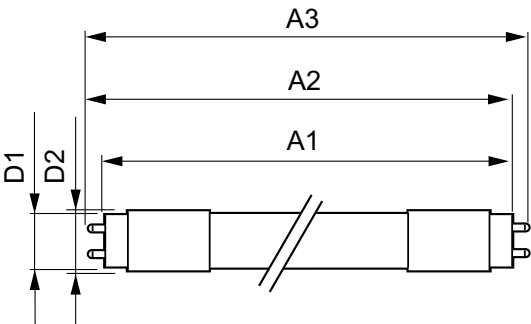
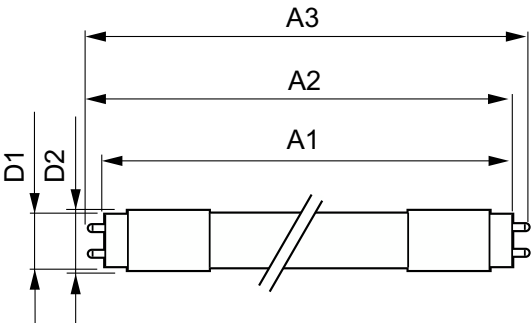
Versions



MAS 48 MF18 G DIM UE 20240306 RTP

MasterClass MainsFit (UL Type-B) T8

Dimensional drawing



Product	D1	D2	A1	A2	A3
10.5T8/MAS/48-835/ MF15/P/DIM 25/1	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
10.5T8/MAS/48-840/ MF16/P/DIM 25/1	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
10.5T8/MAS/48-850/ MF16/P/DIM 25/1	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
14.5T8/MAS/48-830/ MF20/P/DIM 25/1	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
14.5T8/MAS/48-835/ MF20/P/DIM 25/1	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
14.5T8/MAS/48-840/ MF21/P/DIM 25/1	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
14.5T8/MAS/48-850/ MF21/P/DIM 25/1	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
16.5T8/MAS/48-835/ MF24/P/DIM 25/1	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
16.5T8/MAS/48-840/ MF25/P/DIM 25/1	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
16.5T8/MAS/48-850/ MF25/P/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
9.5T8/MAS/48-835/MF17/G/DIM UE 25/1	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
9.5T8/MAS/48-840/ MF18/G/DIM UE 25/1	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
9.5T8/MAS/48-850/ MF18/G/DIM UE 25/1	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm

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General Information	
Cap-Base	G13
Switching Cycle	50,000
Light Technical	
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Input Frequency	50 to 60 Hz
Starting Time (Nom)	0.5 s
Wattage Equivalent	32 W
Controls and Dimming	
Dimmable	Only with specific dimmers
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Shape	T8

General Information

Order Code	Full Product Name	Nominal lifetime
929003794804	9.5T8/MAS/48-835/MF17/G/DIM UE 25/1	50,000 hour(s)
929003794904	9.5T8/MAS/48-840/MF18/G/DIM UE 25/1	50,000 hour(s)
929003795004	9.5T8/MAS/48-850/MF18/G/DIM UE 25/1	50,000 hour(s)
929003525104	10.5T8/MAS/48-835/MF15/P/DIM 25/1	70,000 hour(s)
929003525204	10.5T8/MAS/48-840/MF16/P/DIM 25/1	70,000 hour(s)
929003525304	10.5T8/MAS/48-850/MF16/P/DIM 25/1	70,000 hour(s)
929003525404	14.5T8/MAS/48-830/MF20/P/DIM 25/1	70,000 hour(s)
929003525504	14.5T8/MAS/48-835/MF20/P/DIM 25/1	70,000 hour(s)
929003525604	14.5T8/MAS/48-840/MF21/P/DIM 25/1	70,000 hour(s)
929003525704	14.5T8/MAS/48-850/MF21/P/DIM 25/1	70,000 hour(s)
929003525804	16.5T8/MAS/48-835/MF24/P/DIM 25/1	70,000 hour(s)
929003525904	16.5T8/MAS/48-840/MF25/P/DIM 25/1	70,000 hour(s)
929003526004	16.5T8/MAS/48-850/MF25/P/DIM 25/1	70,000 hour(s)

Light Technical

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color Temperature (Nom)	Color Code	Luminous Flux
			Beam Angle (Nom)		
929003794804	9.5T8/MAS/48-835/MF17/G/DIM UE 25/1	220 degree(s)	3500 K	835	1,760 lm
929003794904	9.5T8/MAS/48-840/MF18/G/DIM UE 25/1	220 degree(s)	4000 K	840	1,810 lm
929003795004	9.5T8/MAS/48-850/MF18/G/DIM UE 25/1	220 degree(s)	5000 K	850	1,810 lm
929003525104	10.5T8/MAS/48-835/MF15/P/DIM 25/1	180 degree(s)	3500 K	835	1,550 lm
929003525204	10.5T8/MAS/48-840/MF16/P/DIM 25/1	180 degree(s)	4000 K	840	1,600 lm
929003525304	10.5T8/MAS/48-850/MF16/P/DIM 25/1	180 degree(s)	5000 K	850	1,600 lm
929003525404	14.5T8/MAS/48-830/MF20/P/DIM 25/1	180 degree(s)	3000 K	830	2,000 lm

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color Temperature (Nom)	Color Code	Luminous Flux
			Beam Angle (Nom)		
	MF20/P/DIM 25/1				
929003525504	14.5T8/MAS/48-835/MF20/P/DIM 25/1	180 degree(s)	3500 K	835	2,000 lm
929003525604	14.5T8/MAS/48-840/MF21/P/DIM 25/1	180 degree(s)	4000 K	840	2,100 lm
929003525704	14.5T8/MAS/48-850/MF21/P/DIM 25/1	180 degree(s)	5000 K	850	2,100 lm
929003525804	16.5T8/MAS/48-835/MF24/P/DIM 25/1	180 degree(s)	3500 K	835	2,450 lm
929003525904	16.5T8/MAS/48-840/MF25/P/DIM 25/1	180 degree(s)	4000 K	840	2,500 lm
929003526004	16.5T8/MAS/48-850/MF25/P/DIM 25/1	180 degree(s)	5000 K	850	2,500 lm

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Operating and Electrical

Order Code	Full Product Name	Line Frequency	Power
			Consumption
929003794804	9.5T8/MAS/48-835/ MF17/G/DIM UE 25/1	-	9.5 W
929003794904	9.5T8/MAS/48-840/ MF18/G/DIM UE 25/1	-	9.5 W
929003795004	9.5T8/MAS/48-850/ MF18/G/DIM UE 25/1	-	9.5 W
929003525104	10.5T8/MAS/48-835/ MF15/P/DIM 25/1	50 to 60 Hz	10.5 W
929003525204	10.5T8/MAS/48-840/ MF16/P/DIM 25/1	50 to 60 Hz	10.5 W
929003525304	10.5T8/MAS/48-850/ MF16/P/DIM 25/1	50 to 60 Hz	10.5 W
929003525404	14.5T8/MAS/48-830/ MF20/P/DIM 25/1	50 to 60 Hz	14.5 W

Order Code	Full Product Name	Line Frequency	Power
			Consumption
929003525504	14.5T8/MAS/48-835/ MF20/P/DIM 25/1	50 to 60 Hz	14.5 W
929003525604	14.5T8/MAS/48-840/ MF21/P/DIM 25/1	50 to 60 Hz	14.5 W
929003525704	14.5T8/MAS/48-850/ MF21/P/DIM 25/1	50 to 60 Hz	14.5 W
929003525804	16.5T8/MAS/48-835/ MF24/P/DIM 25/1	50 to 60 Hz	16.5 W
929003525904	16.5T8/MAS/48-840/ MF25/P/DIM 25/1	50 to 60 Hz	16.5 W
929003526004	16.5T8/MAS/48-850/ MF25/P/DIM 25/1	50 to 60 Hz	16.5 W

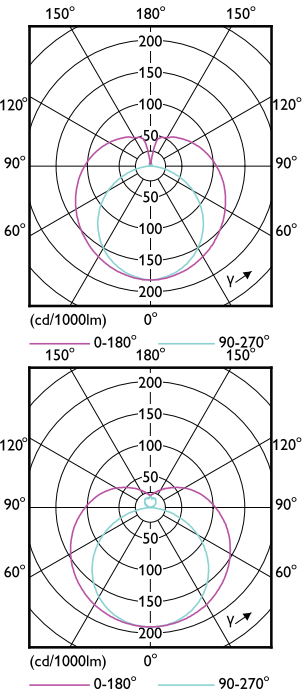
Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
929003794804	9.5T8/MAS/48-835/MF17/G/DIM UE 25/1	45 °C
929003794904	9.5T8/MAS/48-840/MF18/G/DIM UE 25/1	45 °C
929003795004	9.5T8/MAS/48-850/MF18/G/DIM UE 25/1	45 °C
929003525104	10.5T8/MAS/48-835/MF15/P/DIM 25/1	70 °C
929003525204	10.5T8/MAS/48-840/MF16/P/DIM 25/1	70 °C
929003525304	10.5T8/MAS/48-850/MF16/P/DIM 25/1	70 °C
929003525404	14.5T8/MAS/48-830/MF20/P/DIM 25/1	70 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
929003525504	14.5T8/MAS/48-835/MF20/P/DIM 25/1	70 °C
929003525604	14.5T8/MAS/48-840/MF21/P/DIM 25/1	70 °C
929003525704	14.5T8/MAS/48-850/MF21/P/DIM 25/1	70 °C
929003525804	16.5T8/MAS/48-835/MF24/P/DIM 25/1	70 °C
929003525904	16.5T8/MAS/48-840/MF25/P/DIM 25/1	70 °C
929003526004	16.5T8/MAS/48-850/MF25/P/DIM 25/1	70 °C

Approval and Application

Order Code	Full Product Name	Ambient temperature range
929003794804	9.5T8/MAS/48-835/MF17/G/DIM UE 25/1	-20 to +45 °C
929003794904	9.5T8/MAS/48-840/MF18/G/DIM UE 25/1	-20 to +45 °C
929003795004	9.5T8/MAS/48-850/MF18/G/DIM UE 25/1	-20 to +45 °C
929003525104	10.5T8/MAS/48-835/MF15/P/DIM 25/1	-20 °C to 45 °C
929003525204	10.5T8/MAS/48-840/MF16/P/DIM 25/1	-20 °C to 45 °C
929003525304	10.5T8/MAS/48-850/MF16/P/DIM 25/1	-20 °C to 45 °C
929003525404	14.5T8/MAS/48-830/MF20/P/DIM 25/1	-20 °C to 45 °C
929003525504	14.5T8/MAS/48-835/MF20/P/DIM 25/1	-20 °C to 45 °C
929003525604	14.5T8/MAS/48-840/MF21/P/DIM 25/1	-20 °C to 45 °C
929003525704	14.5T8/MAS/48-850/MF21/P/DIM 25/1	-20 °C to 45 °C
929003525804	16.5T8/MAS/48-835/MF24/P/DIM 25/1	-20 °C to 45 °C
929003525904	16.5T8/MAS/48-840/MF25/P/DIM 25/1	-20 °C to 45 °C
929003526004	16.5T8/MAS/48-850/MF25/P/DIM 25/1	-20 °C to 45 °C



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