



# 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.

# MasterClass MainsFit (UL Type-B) T8

## 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)

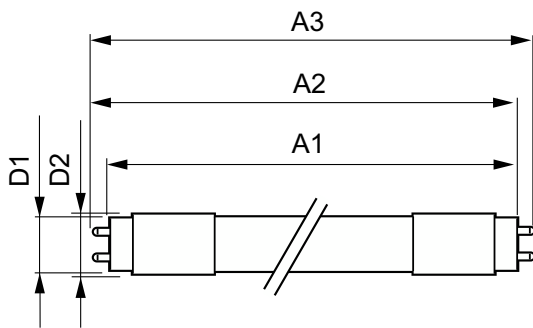
## Features

- 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

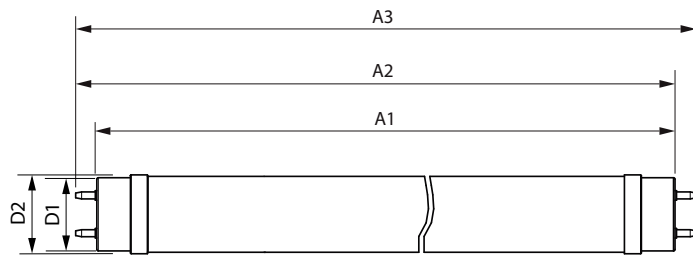
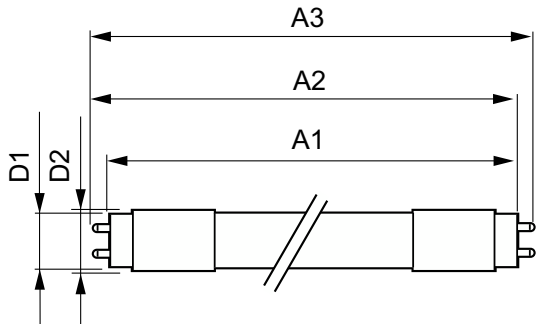
## Dimensional drawing



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

# MasterClass MainsFit (UL Type-B) T8

## Dimensional drawing



Product	D1	D2	A1	A2	A3
11.5T8/MAS/48-835/ MF21/G/DIM UE 25/1	25.7 mm	27.9 mm	1,199.4 mm	1,206.5 mm	1,213.6 mm
11.5T8/MAS/48-840/ MF21/G/DIM UE 25/1	25.7 mm	27.9 mm	1,199.4 mm	1,206.5 mm	1,213.6 mm
11.5T8/MAS/48-850/ MF21/G/DIM UE 25/1	25.7 mm	27.9 mm	1,199.4 mm	1,206.5 mm	1,213.6 mm
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

Product	D1	D2	A1	A2	A3
8.4T8/MAS/48-835/ MF15/G/DIM UE 25/1	25.7 mm	27.9 mm	1,199.4 mm	1,206.5 mm	1,213.6 mm
8.4T8/MAS/48-840/ MF16/G/DIM UE 25/1	25.7 mm	27.9 mm	1,199.4 mm	1,206.5 mm	1,213.6 mm
8.4T8/MAS/48-850/ MF16/G/DIM UE 25/1	25.7 mm	27.9 mm	1,199.4 mm	1,206.5 mm	1,213.6 mm

### General Information

Cap-Base	G13
Switching Cycle	50,000

### Light Technical

Color rendering index (CRI)	80
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### Operating and Electrical

Input Frequency	50 to 60 Hz
Starting Time (Nom)	0.5 s
Wattage Equivalent	32 W

### 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)
929004282804	11.5T8/MAS/48-835/MF21/G/DIM UE 25/1	50,000 hour(s)
929004282904	11.5T8/MAS/48-840/MF21/G/DIM UE 25/1	50,000 hour(s)
929004283004	11.5T8/MAS/48-850/MF21/G/DIM UE 25/1	50,000 hour(s)
929004319204	8.4T8/MAS/48-835/MF15/G/DIM UE 25/1	50,000 hour(s)
929004319304	8.4T8/MAS/48-840/MF16/G/DIM UE 25/1	50,000 hour(s)
929004319404	8.4T8/MAS/48-850/MF16/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 (1/2)

## MasterClass MainsFit (UL Type-B) T8

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color Temperature (Nom)		LLMF At End Of Nominal Lifetime
			Color Code	Temperature	(Nom)
929003794804	9.5T8/MAS/48-835/MF17/G/DIM UE 25/1	220 degree(s)	3500 K	835	70 %
929003794904	9.5T8/MAS/48-840/MF18/G/DIM UE 25/1	220 degree(s)	4000 K	840	70 %
929003795004	9.5T8/MAS/48-850/MF18/G/DIM UE 25/1	220 degree(s)	5000 K	850	70 %
929004282804	11.5T8/MAS/48-835/MF21/G/DIM UE 25/1	220 degree(s)	3500 K	835	70 %
929004282904	11.5T8/MAS/48-840/MF21/G/DIM UE 25/1	220 degree(s)	4000 K	840	70 %
929004283004	11.5T8/MAS/48-850/MF21/G/DIM UE 25/1	220 degree(s)	5000 K	850	70 %
929004319204	8.4T8/MAS/48-835/MF15/G/DIM UE 25/1	220 degree(s)	3500 K	835	0.7 %
929004319304	8.4T8/MAS/48-840/MF16/G/DIM UE 25/1	220 degree(s)	4000 K	840	0.7 %
929004319404	8.4T8/MAS/48-850/MF16/G/DIM UE 25/1	220 degree(s)	5000 K	850	0.7 %

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color Temperature (Nom)		LLMF At End Of Nominal Lifetime
			Color Code	Temperature	(Nom)
929003525104	10.5T8/MAS/48-835/MF15/P/DIM 25/1	180 degree(s)	3500 K	835	70 %
929003525204	10.5T8/MAS/48-840/MF16/P/DIM 25/1	180 degree(s)	4000 K	840	70 %
929003525304	10.5T8/MAS/48-850/MF16/P/DIM 25/1	180 degree(s)	5000 K	850	70 %
929003525404	14.5T8/MAS/48-830/MF20/P/DIM 25/1	180 degree(s)	3000 K	830	70 %
929003525504	14.5T8/MAS/48-835/MF20/P/DIM 25/1	180 degree(s)	3500 K	835	70 %
929003525604	14.5T8/MAS/48-840/MF21/P/DIM 25/1	180 degree(s)	4000 K	840	70 %
929003525704	14.5T8/MAS/48-850/MF21/P/DIM 25/1	180 degree(s)	5000 K	850	70 %
929003525804	16.5T8/MAS/48-835/MF24/P/DIM 25/1	180 degree(s)	3500 K	835	70 %
929003525904	16.5T8/MAS/48-840/MF25/P/DIM 25/1	180 degree(s)	4000 K	840	70 %
929003526004	16.5T8/MAS/48-850/MF25/P/DIM 25/1	180 degree(s)	5000 K	850	70 %

### Light Technical (2/2)

Order Code	Full Product Name	Luminous Flux
929003794804	9.5T8/MAS/48-835/MF17/G/DIM UE 25/1	1,760 lm
929003794904	9.5T8/MAS/48-840/MF18/G/DIM UE 25/1	1,810 lm
929003795004	9.5T8/MAS/48-850/MF18/G/DIM UE 25/1	1,810 lm
929004282804	11.5T8/MAS/48-835/MF21/G/DIM UE 25/1	2,100 lm
929004282904	11.5T8/MAS/48-840/MF21/G/DIM UE 25/1	2,100 lm
929004283004	11.5T8/MAS/48-850/MF21/G/DIM UE 25/1	2,100 lm
929004319204	8.4T8/MAS/48-835/MF15/G/DIM UE 25/1	1,600 lm
929004319304	8.4T8/MAS/48-840/MF16/G/DIM UE 25/1	1,600 lm

Order Code	Full Product Name	Luminous Flux
929004319404	8.4T8/MAS/48-850/MF16/G/DIM UE 25/1	1,600 lm
929003525104	10.5T8/MAS/48-835/MF15/P/DIM 25/1	1,550 lm
929003525204	10.5T8/MAS/48-840/MF16/P/DIM 25/1	1,600 lm
929003525304	10.5T8/MAS/48-850/MF16/P/DIM 25/1	1,600 lm
929003525404	14.5T8/MAS/48-830/MF20/P/DIM 25/1	2,000 lm
929003525504	14.5T8/MAS/48-835/MF20/P/DIM 25/1	2,000 lm
929003525604	14.5T8/MAS/48-840/MF21/P/DIM 25/1	2,100 lm
929003525704	14.5T8/MAS/48-850/MF21/P/DIM 25/1	2,100 lm

## MasterClass MainsFit (UL Type-B) T8

Order Code	Full Product Name	Luminous Flux
929003525804	16.5T8/MAS/48-835/MF24/P/DIM 25/1	2,450 lm
929003525904	16.5T8/MAS/48-840/MF25/P/DIM 25/1	2,500 lm

Order Code	Full Product Name	Luminous Flux
929003526004	16.5T8/MAS/48-850/MF25/P/DIM 25/1	2,500 lm

### 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
929004282804	11.5T8/MAS/48-835/ MF21/G/DIM UE 25/1	-	11.5 W
929004282904	11.5T8/MAS/48-840/ MF21/G/DIM UE 25/1	-	11.5 W
929004283004	11.5T8/MAS/48-850/ MF21/G/DIM UE 25/1	-	11.5 W
929004319204	8.4T8/MAS/48-835/ MF15/G/DIM UE 25/1	-	8.4 W
929004319304	8.4T8/MAS/48-840/ MF16/G/DIM UE 25/1	-	8.4 W
929004319404	8.4T8/MAS/48-850/ MF16/G/DIM UE 25/1	-	8.4 W
929003525104	10.5T8/MAS/48-835/ MF15/P/DIM 25/1	50 to 60 Hz	10.5 W

Order Code	Full Product Name	Line Frequency	Power
			Consumption
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
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
929004282804	11.5T8/MAS/48-835/MF21/G/DIM UE 25/1	50 °C
929004282904	11.5T8/MAS/48-840/MF21/G/DIM UE 25/1	50 °C
929004283004	11.5T8/MAS/48-850/MF21/G/DIM UE 25/1	50 °C
929004319204	8.4T8/MAS/48-835/MF15/G/DIM UE 25/1	50 °C
929004319304	8.4T8/MAS/48-840/MF16/G/DIM UE 25/1	50 °C
929004319404	8.4T8/MAS/48-850/MF16/G/DIM UE 25/1	50 °C
929003525104	10.5T8/MAS/48-835/MF15/P/DIM 25/1	70 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
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
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

### Controls and Dimming

Order Code	Full Product Name	Dimmable
929003794804	9.5T8/MAS/48-835/MF17/G/DIM UE 25/1	Only with specific dimmers
929003794904	9.5T8/MAS/48-840/MF18/G/DIM UE 25/1	Only with specific dimmers
929003795004	9.5T8/MAS/48-850/MF18/G/DIM UE 25/1	Only with specific dimmers
929004282804	11.5T8/MAS/48-835/MF21/G/DIM UE 25/1	Only with specific dimmers
929004282904	11.5T8/MAS/48-840/MF21/G/DIM UE 25/1	Only with specific dimmers
929004283004	11.5T8/MAS/48-850/MF21/G/DIM UE 25/1	Only with specific dimmers

Order Code	Full Product Name	Dimmable
929004319204	8.4T8/MAS/48-835/MF15/G/DIM UE 25/1	Yes
929004319304	8.4T8/MAS/48-840/MF16/G/DIM UE 25/1	Yes
929004319404	8.4T8/MAS/48-850/MF16/G/DIM UE 25/1	Yes
929003525104	10.5T8/MAS/48-835/MF15/P/DIM 25/1	Only with specific dimmers
929003525204	10.5T8/MAS/48-840/MF16/P/DIM 25/1	Only with specific dimmers
929003525304	10.5T8/MAS/48-850/MF16/P/DIM 25/1	Only with specific dimmers

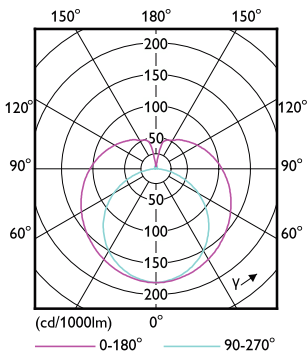
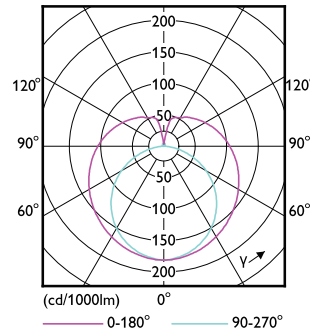
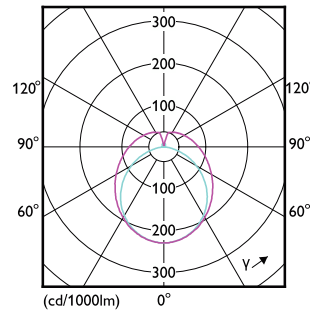
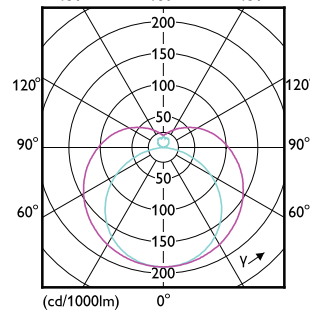
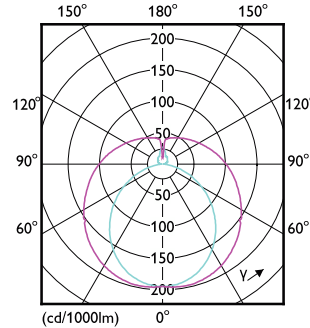
# MasterClass MainsFit (UL Type-B) T8

Order Code	Full Product Name	Dimmable
929003525404	14.5T8/MAS/48-830/MF20/P/DIM 25/1	Only with specific dimmers
929003525504	14.5T8/MAS/48-835/MF20/P/DIM 25/1	Only with specific dimmers
929003525604	14.5T8/MAS/48-840/MF21/P/DIM 25/1	Only with specific dimmers
929003525704	14.5T8/MAS/48-850/MF21/P/DIM 25/1	Only with specific dimmers

Order Code	Full Product Name	Dimmable
929003525804	16.5T8/MAS/48-835/MF24/P/DIM 25/1	Only with specific dimmers
929003525904	16.5T8/MAS/48-840/MF25/P/DIM 25/1	Only with specific dimmers
929003526004	16.5T8/MAS/48-850/MF25/P/DIM 25/1	Only with specific dimmers

## 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
929004282804	11.5T8/MAS/48-835/MF21/G/DIM UE 25/1	-20 to +45 °C
929004282904	11.5T8/MAS/48-840/MF21/G/DIM UE 25/1	-20 to +45 °C
929004283004	11.5T8/MAS/48-850/MF21/G/DIM UE 25/1	-20 to +45 °C
929004319204	8.4T8/MAS/48-835/MF15/G/DIM UE 25/1	-20 to +45 °C
929004319304	8.4T8/MAS/48-840/MF16/G/DIM UE 25/1	-20 to +45 °C
929004319404	8.4T8/MAS/48-850/MF16/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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