

# PHILIPS

## LED lamps

MainsFit (UL Type-B)  
Ultra Efficient



# Experience Ultra Energy Savings

**Philips MainsFit (Type B) Contractor-grade lamps** range is DLC listed and helps to reduce first-year cost of ownership. The double-ended ballast bypass lamps are easy to install and save significant energy versus conventional fluorescent systems.<sup>1</sup> This product can replace either T8 or T12 lamps in fixtures containing shunted or non-shunted G13 (medium bi-pin) lamp holders.<sup>2</sup>

## Benefits

- **Significant wattage savings<sup>1</sup>**  
58% higher efficacy versus  
DLC min efficacy (120lm/W)
- **Significant energy cost savings<sup>2,3</sup>**  
Saves approx. \$1.50 annually in  
energy costs versus typical 150  
lm/W DLC listed TLED
- **Ease of installation**  
Double-ended Type B design is  
a quick and easy transition from  
conventional TL lamps

## Features

- **Ultra-efficient**  
>190 lm/W (1810 lumens / 9.5W)
- **Line voltage operation**  
MainsFit (Type B) technology  
bypasses the ballast for long-term  
simplicity
- **Type B double-ended installation**
- **Long life<sup>4</sup>**  
50,000 hr rated average life
- **Wide beam light distribution**  
240° beam angle and a 350 °  
illumination angle

1. When compared to DLC minimum efficacy of 120 lm/W, the Philips Ultra-efficient TLED at 190 lm/W is 58% more efficacious  $((190-120)/120 = 58\%)$ .

2. Average of \$0.134 commercial electricity rate as of 5/1/2024 [https://www.eia.gov/electricity/monthly/epm\\_table\\_grapher.php?t=epmt\\_5\\_6\\_a](https://www.eia.gov/electricity/monthly/epm_table_grapher.php?t=epmt_5_6_a)

3. Savings comparing a 12W/1800lm T8 LED versus the ultra-efficient 9.5W/1810lm T8 LED running 12hrs/day, 365days/year.  $2.5W * 4.38 \text{ kWh/Year} * \$0.134/\text{kWh} = \$1.47$

4. LED lifetime means the length of time (in hours) until half of the LED light sources maintain at least 70% of their initial lumen output (B50, L70).

# Philips LED MainsFit Ultra Efficient lamp (UL Type B)



Ordering, electrical and technical data (Subject to change without notice)



Product No. (6nc)	Model No. (12nc)	DLC ID	Description	Volts (V)	Watts (W)	Lumens (lm)	CRI (min)	CCT (K)	Lifetime <sup>1</sup> (hrs)	Beam Angle (in)	MOL (in)	Materials	Pkg Qty
<b>4FT Basic CorePro T8 Glass</b>													
590224	929003794804	TBD	9.5T8/MAS/48-835/MF17/G/DIM UE 25/1	120-277	9.5	1700	82	3500	35,000	240	48	Glass	25
588608	929003794904	TBD	9.5T8/MAS/48-840/MF17/G/DIM UE 25/1	120-277	9.5	1810	82	4000	40,000	240	48	Glass	25
588616	929003795004	TBD	9.5T8/MAS/48-850/MF17/G/DIM UE 25/1	120-277	9.5	1810	82	5000	50,000	240	48	Glass	25

1. Tested to B50 L70 requirement. LED lifetime means the length of time (in hours) until half of the LED light sources maintain at least 70% of their initial lumen output (B50, L70).

For more information on Philips' limited warranty please visit [www.philips.com/warranties](http://www.philips.com/warranties).



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