

PHILIPS

LED lamps

Ultra Efficient (UL Type A & B)



Experience Ultra Energy Savings

Philips Ultra Efficient (UL Type-A & B) MasterClass lamps are our most energy efficient TLEDs yet. At 190 lm/W the Ultra-efficient TLEDs are 58% (70 lm/W) more efficient than DLC requirements resulting in a 5.5W energy savings per lamp¹. The double-ended ballast bypass lamps are easy to install and save significant energy versus conventional fluorescent systems.

Benefits

- **Significant wattage savings¹**
58% higher efficacy versus DLC min efficacy (120lm/W)
- **Significant energy cost savings^{2,3}**
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 life⁴**
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 $((190-120)/120 = 58\%)$. The Philips MainsFit Ultra-efficient TLED saves 5.5W for an 1800 lumen TLED: $1800 \text{ lm} @ 120 \text{ lm/W} = 15\text{W}$. $1810 \text{ lm} @ 190 \text{ lm/W} = 9.5\text{W}$.

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

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

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 A & 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 ¹ (hrs)	Beam Angle (in)	MOL (in)	Pkg Qty
4FT Basic CorePro T8 Glass (UL Type B)												
610246	929004319204	S-MGRN33	8.4T8/MAS/48-835/MF15/G/DIM UE 25/1	120-277	8.4	1560	82	3500	50,000	220	48	25
610250	929004319304	S-86559Y	8.4T8/MAS/48-840/MF16/G/DIM UE 25/1	120-277	8.4	1600	82	4000	50,000	220	48	25
610260	929004319404	S-NTQVBG	8.4T8/MAS/48-850/MF16/G/DIM UE 25/1	120-277	8.4	1600	82	5000	50,000	220	48	25
607457	929004282804	S-F4RW1T	11.5T8/MAS/48-835/MF21/G/DIM UE 25/1	120-277	11.5	2100	82	3500	50,000	240	48	25
607465	929004282904	S-CHRGQZ	11.5T8/MAS/48-840/MF21/G/DIM UE 25/1	120-277	11.5	2100	82	4000	50,000	240	48	25
607473	929004283004	S-LLJ8Q6	11.5T8/MAS/48-850/MF21/G/DIM UE 25/1	120-277	11.5	2100	82	5000	50,000	240	48	25
4FT Basic CorePro T8 Glass (UL Type A)												
605147	929004255104	S-Q3L9ZK	10.9T8/MAS/48-835/IF20/G/DIM UE 25/1	Ballast Dependent	10.9	2000	82	3500	50,000	240	48	25
605150	929004255204	S-G4NT84	10.9T8/MAS/48-840/IF21/G/DIM UE 25/1	Ballast Dependent	10.9	2100	82	4000	50,000	240	48	25
605160	929004255304	S-T7GGSP	10.9T8/MAS/48-850/IF21/G/DIM UE 25/1	Ballast Dependent	10.9	2100	82	5000	50,000	240	48	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.



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