

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 lm @ 120 lm/W = 15W. 1810 lm @ 190 lm/W = 9.5W.

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. $2.5W * 4.38 \text{ kWh/Year} * \$0.134/\text{kWh} = \$1.47$

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 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)												
590224	929003794804	S-9T9C59	9.5T8/MAS/48-835/MF17/G/DIM UE 25/1	120-277	9.5	1700	82	3500	50,000	240	48	25
588608	929003794904	S-51X4TC	9.5T8/MAS/48-840/MF18/G/DIM UE 25/1	120-277	9.5	1810	82	4000	50,000	240	48	25
588616	929003795004	S-LL3GCX	9.5T8/MAS/48-850/MF18/G/DIM UE 25/1	120-277	9.5	1810	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.



© 2025 Signify Holding. All rights reserved. The information provided herein is subject to change, without notice. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify.



Signify North America Corp.
400 Crossing Boulevard,
Bridgewater, NJ 08807
Telephone 800-555-0050

Signify Canada Ltd.
281 Hillmount Road,
Markham, ON, Canada L6C 2S3
Telephone 800-668-9008

Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V. All other trademarks are owned by Signify Holding or their respective owners.