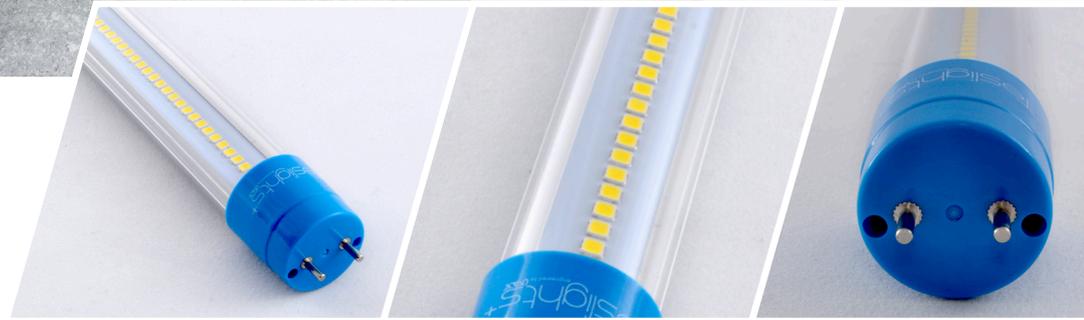




## Smart LED T8



The images are merely illustrative, some technical features and accessories may be changed without notice



August 2016

## Product Description

Available in a variety of configurations, the T8 LED finds new dimensions of value with Teslights integrated sensor and smart control technologies. Measurable gains to efficiencies result from layering these incremental improvements to design concepts. New technologies by Teslights now deliver substantial reductions to energy consumption by as much as 70%, while simultaneously improving the quality of illumination, and extending operating life. Teslights T8 is proudly environmentally friendly and designed to improve durability, resistance to shock, impact, and vibrations. Manufactured in Teslights facility under carefully controlled quality standards, the T8 is available in both Standard and Premium product lines for both instant economic advantage, and directing advanced Smart LED applications.

## Key Features

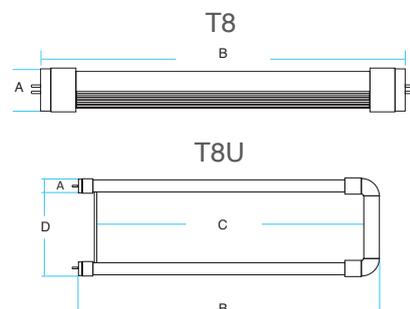
**T8 LEDs find new dimensions of value with Teslights integrated sensor and smart control technologies.**

- **Eligible for PG&E Deemed Rebate Program**
- **190 lumens per watt with our T8 10W**
- **150 lumens per watt with our T8 6W, 7W, 9W, 12W, 18W, 20W & 22W**
- **120 lumens per watt with our T8 5W, 7W, 12W, 18W, 20W & 30W**
- **Easy installation**
- **Modular manufacturing process**
- **Highly efficient driver**
- **5 year factory warranty**
- **No rewiring of fixture, minimizing replacement and maintenance costs**

## Product Specifications

<b>LED package:</b>	SMD 2835
<b>Power consumption:</b>	4 - 36W ±5%
<b>Input voltage:</b>	100~277V AC 50/60Hz
<b>Efficacy:</b>	Up to 190 lm/W
<b>THD:</b>	<15%
<b>P.F.:</b>	>0.95
<b>CRI:</b>	>80
<b>Dimming:</b>	For internal driver: Yes For external driver: Yes (0-10V)
<b>Material:</b>	6030 aluminum alloy and polycarbonate lens cover
<b>Beam angle:</b>	120°
<b>IP rating:</b>	IP44
<b>Fire rating:</b>	94V0
<b>Operating temperature:</b>	-25°C ~ + 45°C
<b>Lifespan:</b>	Up to 50,000 hours

## Product Measurement



Model	Measures (AxB)
T81	Ø26x288 mm
T82	Ø26x588 mm
T83	Ø26x894 mm
T84	Ø26x1198 mm
T85	Ø26x1498 mm
T86	Ø26x1768 mm
T88	Ø26x2368 mm
Model	Measures (AxBxCxD)
T8U	Ø26x565x540x180 mm



## Ordering Guide

Example: T84S10M190C50S

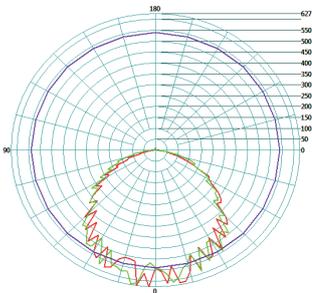
Type	Lenght		Dim or non-dim		Watts		Driver/Power		Efficiency		Cover		CCT		Input Type		
<b>T8</b>	<b>4</b>		<b>S</b>		<b>10</b>		<b>M</b>		<b>190</b>		<b>C</b>		<b>50</b>		<b>S</b>		
T8	2	2'	S P	Non-dimmable Dimmable	07	7 W	M E	Internal External	100-277V 50/60Hz	120	120 lm/W	C F	Clear Frost	30 41 50	3000K 4100K 5000K	S	Single End Double End
					06 07	6 W 7 W				150	150 lm/W						
					05 07	5 W 7 W				190	190 lm/W						
	4	4'	S P	Non-dimmable Dimmable	10	10 W	M E	Internal External	100-277V 50/60Hz	120	120 lm/W	C F	Clear Frost	30 41 50	3000K 4100K 5000K	S	Single End Double End
					15	15 W				190	190 lm/W						
					12 15	12 W 15 W				150	150 lm/W						
	5	5'	P	Dimmable	18	18 W	M E	Internal External	100-277V 50/60Hz	120	120 lm/W	C F	Clear Frost	30 41 50	3000K 4100K 5000K	S	Single End Double End
					18	18 W				120	120 lm/W						
					18	18 W				120	120 lm/W						
	8	8'	P	Dimmable	30	30 W	M E	Internal External	100-277V 50/60Hz	120	120 lm/W	C F	Clear Frost	30 41 50	3000K 4100K 5000K	S	Single End Double End
					30	30 W				120	120 lm/W						
	U	U	P	Dimmable	15	15 W	M E	Internal External	100-277V 50/60Hz	120	120 lm/W	C F	Clear Frost	30 41 50	3000K 4100K 5000K	S	Single End Double End
12					12 W	150				150 lm/W							

Note: We can also produce T81, T82, T83, T84, T85, T86, T88 and T8U Shape in different Wattages, lumens variations, and color temperatures. For more information contact your account manager.



## Photometric Polar Diagram

Example: T84S10M190C50S

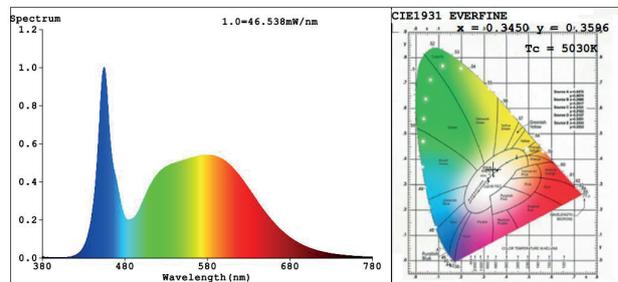


NOTE: If you need photometric information of this or another product, do not hesitate in contact us.



## Spectral Power Distribution & Chromaticity Diagram

Example: T84S10M190C50S



## Installation

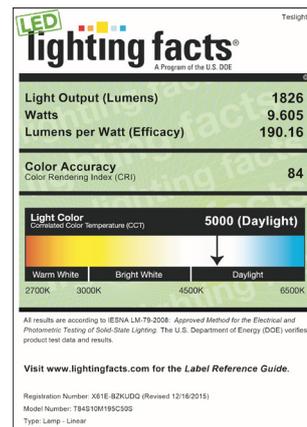
1. Turn off power of fixture
2. Carefully remove existing fluorescent lamps
3. Remove ballast cover
4. Disconnect line power from ballast/fixture
5. Cut all leads to lampholders leaving them as long as possible
6. Reconnect live and neutral power to the LED driver and then to the non-shunted lampholders on one side of the fixture
7. Install new LED T8 lamps power input end with rewired lamp holders
8. Apply warning stickers appropriately

NOTE: Reference [www.teslights.com/Products](http://www.teslights.com/Products) for detailed installation instructions



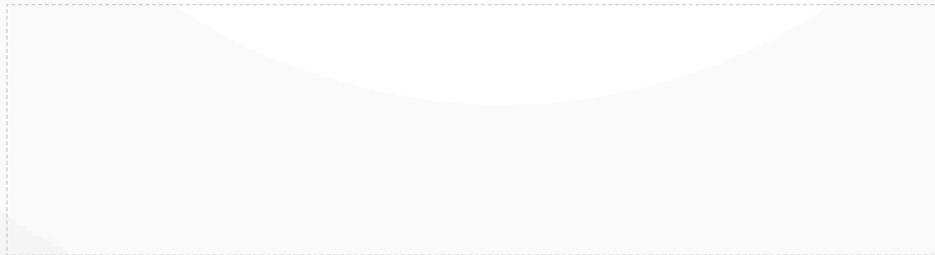
## LED lighting facts-World Record

Example: T84S10M190C50S



# Teslights<sup>+</sup>

engineered by **UVAX**



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