



# T5 & T8

FLUORESCENT LAMPS

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## Hygrade “ENV” Fluorescent Lamps

- High Performance and Efficiency
- TCLP\* Compliant for Low-Mercury
- Meets RoHS\*\* Standards for Lead-Free Products
- Products for a more sustainable “ENV”ironment

### High Performance T5 and T5 HO

T5 linear lamps are the latest tri-phosphor lamps to take center stage. Their slim 5/8-inch diameter and smaller ballasts give product designers a fresh concept for approaching energy efficient lighting. Available in the standard version, wattages are 14, 21, 28, and 35 and in the high output series they come 24, 39, and 54. The standard and high output T5 lamps maintain more than 95% of their light output at 40% of their rated life. Their improved phosphor coating reduces mercury absorption ensuring a long, high performance life.

### T8 Instant Start/Rapid Start lamps for Electronic Ballasts

The T8 technology is commonly used to replace standard T12 lamps in new construction and energy retrofits, creating superior lumen per watt efficiencies and exceptional lumen maintenance. Available in 700 and 800 series and color temperatures from 3000K to 6500K, the product line gives specifiers and designers the flexibility to use the right lamp in almost any energy saving application.

### 28 Watt Energy Saver T8 Lamps

The Energy Saver T8 fluorescent lamps give 18% more energy savings than a standard T12 and 12% more than standard T8's. At 91 lumens per watt, the 28 watt T8 lamp is 25% more efficient than the T12 and at 24,000 hours, also provides up to 17% more lamp life. These lamps have a lumen maintenance of 94% and a CRI rating of 85; they offer the superior color rendition that is required for most specified applications.

### High Performance T8

This high lumen energy saving version of the T8 line of fluorescent lamps offers 92 lumens per watt, making it one of the most efficient fluorescent lamps on the market. It's 92% lumen maintenance means it retains a high level of performance throughout life of the lamp. The specs include 24,000 hour lamp life and CRI level of 85 which qualifies it for most utility programs where minimum standards need to be met in order to receive rebates and incentives. Please check with your local utility for their requirements.

\* TCLP = Toxicity Characteristic Leaching Procedure

\*\* RoHS = Restriction of Hazardous Substances

# FLUORESCENT LAMPS

## T5 High Performance Lamps

Wattage	Bulb	Base	Product Number	Description	Nominal Length (In")	Average Rated Hours*	Kelvin Temp.	CRI	Initial Lumens	Mean Lumens	Master Pack Qty.
14	T5	Mini Bi-Pin	S8125	F14T5/830/ENV	24	20000	3000	85	1350	1250	40
14	T5	Mini Bi-Pin	S8126	F14T5/835/ENV	24	20000	3500	85	1350	1250	40
14	T5	Mini Bi-Pin	S8127	F14T5/841/ENV	24	20000	4100	85	1350	1250	40
14	T5	Mini Bi-Pin	S8110	F14T5/850/ENV	24	20000	5000	85	1350	1250	40
14	T5	Mini Bi-Pin	S8111	F14T5/865/ENV	24	20000	6500	85	1350	1250	40
21	T5	Mini Bi-Pin	S8128	F21T5/830/ENV	36	20000	3000	85	2100	1950	40
21	T5	Mini Bi-Pin	S8129	F21T5/835/ENV	36	20000	3500	85	2100	1950	40
21	T5	Mini Bi-Pin	S8130	F21T5/841/ENV	36	20000	4100	85	2100	1950	40
21	T5	Mini Bi-Pin	S8112	F21T5/850/ENV	36	20000	5000	85	2100	1950	40
21	T5	Mini Bi-Pin	S8113	F21T5/865/ENV	36	20000	6500	85	2100	1950	40
28	T5	Mini Bi-Pin	S8131	F28T5/830/ENV	48	20000	3000	85	2900	2700	40
28	T5	Mini Bi-Pin	S8132	F28T5/835/ENV	48	20000	3500	85	2900	2700	40
28	T5	Mini Bi-Pin	S8133	F28T5/841/ENV	48	20000	4100	85	2900	2700	40
28	T5	Mini Bi-Pin	S8114	F28T5/850/ENV	48	20000	5000	85	2900	2700	40
28	T5	Mini Bi-Pin	S8115	F28T5/865/ENV	48	20000	6500	85	2900	2700	40
35	T5	Mini Bi-Pin	S8134	F35T5/830/ENV	60	20000	3000	85	3650	3400	40
35	T5	Mini Bi-Pin	S8135	F35T5/835/ENV	60	20000	3500	85	3650	3400	40
35	T5	Mini Bi-Pin	S8136	F35T5/841/ENV	60	20000	4100	85	3650	3400	40
35	T5	Mini Bi-Pin	S8116	F35T5/850/ENV	60	20000	5000	85	3650	3400	40
35	T5	Mini Bi-Pin	S8117	F35T5/865/ENV	60	20000	6500	85	3650	3400	40

\* Based on 3 hours per start  
When used commercially (12 hours per start) life increases to 24,000 hours



T5 Mini Bi-Pin



T5 Mini Bi-Pin Base

# FLUORESCENT LAMPS

## T5 HO High Performance Lamps

Wattage	Bulb	Base	Product Number	Description	Nominal Length (In")	Average Rated Hours*	Kelvin Temp.	CRI	Initial Lumens	Mean Lumens	Master Pack Qty.
24	T5	Mini Bi-Pin	S8137	F24T5/830/HO/ENV	24	20000	3000	85	2000	1860	40
24	T5	Mini Bi-Pin	S8138	F24T5/835/HO/ENV	24	20000	3500	85	2000	1860	40
24	T5	Mini Bi-Pin	S3139	F24T5/841/HO/ENV	24	20000	4100	85	2000	1860	40
24	T5	Mini Bi-Pin	S8118	F24T5/850/HO/ENV	24	20000	5000	85	2000	1860	40
24	T5	Mini Bi-Pin	S8119	F24T5/865/HO/ENV	24	20000	6500	85	2000	1860	40
39	T5	Mini Bi-Pin	S8140	F39T5/830/HO/ENV	36	20000	3000	85	3500	3255	40
39	T5	Mini Bi-Pin	S8141	F39T5/835/HO/ENV	36	20000	3500	85	3500	3255	40
39	T5	Mini Bi-Pin	S8142	F39T5/841/HO/ENV	36	20000	4100	85	3500	3255	40
39	T5	Mini Bi-Pin	S8120	F39T5/850/HO/ENV	36	20000	5000	85	3500	3255	40
39	T5	Mini Bi-Pin	S8121	F39T5/865/HO/ENV	36	20000	6500	85	3500	3255	40
54	T5	Mini Bi-Pin	S8143	F54T5/830/HO/ENV	48	20000	3000	85	5000	4650	40
54	T5	Mini Bi-Pin	S8144	F54T5/835/HO/ENV	48	20000	3500	85	5000	4650	40
54	T5	Mini Bi-Pin	S8145	F54T5/841/HO/ENV	48	20000	4100	85	5000	4650	40
54	T5	Mini Bi-Pin	S8122	F54T5/850/HO/ENV	48	20000	5000	85	5000	4650	40
54	T5	Mini Bi-Pin	S8123	F54T5/865/HO/ENV	48	20000	6500	85	5000	4650	40

\* Based on 3 hours per start  
When used commercially (12 hours per start) life increases to 24,000 hours

T5 Mini Bi-Pin Base



T5 Mini Bi-Pin



# FLUORESCENT LAMPS

## T5 Circline High Performance Lamps

Wattage	Bulb	Base	Product Number	Description	Nominal Length (In")	Average Rated Hours*	Kelvin Temp.	CRI	Initial Lumens	Master PackQty.
22	T5	2GX13	S8155	FC22T5/830	8	12000	3000	82	1900	12
22	T5	2GX13	S8156	FC22T5/835	8	12000	3500	82	1900	12
22	T5	2GX13	S8157	FC22T5/841	8	12000	4100	82	1900	12
40	T5	2GX13	S8158	FC40T5/830	12	12000	3000	82	3350	12
40	T5	2GX13	S8159	FC40T5/835	12	12000	3500	82	3350	12
40	T5	2GX13	S8160	FC40T5/841	12	12000	4100	82	3350	12
55	T5	2GX13	S8161	FC55T5/HO/830	12	12000	3000	82	4000	12
55	T5	2GX13	S8162	FC55T5/HO/835	12	12000	3500	82	4000	12
55	T5	2GX13	S8163	FC55T5/HO/841	12	12000	4100	82	4000	12

\* Based on 3 hours per start  
When used commercially (12 hours per start) life increases to 15,000 hours



2GX13



2GX13 Base

# FLUORESCENT LAMPS

## T8 Instant/Rapid Start Lamps - 700 Series

Wattage	Bulb	Base	Product Number	Description	Nominal Length (In <sup>2</sup> )	Average Rated Hours*	Kelvin Temp.	CRI	Initial Lumens	Mean Lumens	Master Pack Qty.
17	T8	Med Bi-Pin	S8401	F17T8/730/ENV	24	20000	3000	75	1350	1280	30
17	T8	Med Bi-Pin	S8402	F17T8/735/ENV	24	20000	3500	75	1350	1280	30
17	T8	Med Bi-Pin	S8403	F17T8/741/ENV	24	20000	4100	75	1350	1280	30
25	T8	Med Bi-Pin	S8407	F25T8/730/ENV	36	20000	3000	75	2150	2040	30
25	T8	Med Bi-Pin	S8408	F25T8/735/ENV	36	20000	3500	75	2150	2040	30
25	T8	Med Bi-Pin	S8409	F25T8/741/ENV	36	20000	4100	75	2150	2040	30
32	T8	Med Bi-Pin	S8413	F32T8/730/ENV	48	20000	3000	75	2900	2755	30
32	T8	Med Bi-Pin	S8414	F32T8/735/ENV	48	20000	3500	75	2900	2755	30
32	T8	Med Bi-Pin	S8415	F32T8/741/ENV	48	20000	4100	75	2850	2700	30
32	T8	Med Bi-Pin	S8416	F32T8/750/ENV	48	20000	5000	75	2800	2660	30
32	T8	Med Bi-Pin	S8417	F32T8/765/ENV	48	20000	6500	75	2750	2600	30

\* Based on 3 hours per start  
When used commercially (12 hours per start) life increases to 24,000 hours

T8 Bi-Pin Base



T8 Bi-Pin



# FLUORESCENT LAMPS

## T8 Instant/Rapid Start Lamps - 800 Series

Wattage	Bulb	Base	Product Number	Description	Nominal Length (In*)	Average Rated Hours*	Kelvin Temp.	CRI	Initial Lumens	Mean Lumens	Master Pack Qty.
17	T8	Med Bi-Pin	S8404	F17T8/830/ENV	24	20000	3000	85	1450	1350	30
17	T8	Med Bi-Pin	S8405	F17T8/835/ENV	24	20000	3500	85	1450	1350	30
17	T8	Med Bi-Pin	S8406	F17T8/841/ENV	24	20000	4100	85	1450	1350	30
25	T8	Med Bi-Pin	S8410	F25T8/830/ENV	36	20000	3000	85	2300	2185	30
25	T8	Med Bi-Pin	S8411	F25T8/835/ENV	36	20000	3500	85	2300	2185	30
25	T8	Med Bi-Pin	S8412	F25T8/841/ENV	36	20000	4100	85	2300	2185	30
32	T8	Med Bi-Pin	S8418	F32T8/830/ENV	48	20000	3000	85	3100	2950	30
32	T8	Med Bi-Pin	S8419	F32T8/835/ENV	48	20000	3500	85	3100	2950	30
32	T8	Med Bi-Pin	S8420	F32T8/841/ENV	48	20000	4100	85	3050	2900	30
32	T8	Med Bi-Pin	S8421	F32T8/850/ENV	48	20000	5000	85	3000	2850	30

\* Based on 3 hours per start  
 When used commercially (12 hours per start) life increases to 24,000 hours



T8 Bi-Pin



T8 Bi-Pin Base

# FLUORESCENT LAMPS

## T8 Instant/Rapid Start Energy Saving Lamps

Wattage	Bulb	Base	Product Number	Description	Nominal Length (In*)	Average Rated Hours*	Kelvin Temp.	CRI	Initial Lumens	Mean Lumens	Master Pack Qty.
28	T8	Med Bi-Pin	<b>S8422</b>	F28T8/830/ES/ENV	48	24000	3000	85	2725	2560	30
28	T8	Med Bi-Pin	<b>S8423</b>	F28T8/835/ES/ENV	48	24000	3500	85	2725	2560	30
28	T8	Med Bi-Pin	<b>S8424</b>	F28T8/841/ES/ENV	48	24000	4100	85	2725	2560	30
28	T8	Med Bi-Pin	<b>S8425</b>	F28T8/850/ES/ENV	48	24000	5000	85	2700	2500	30

## T8 Instant/Rapid Start High Lumen Lamps

Wattage	Bulb	Base	Product Number	Description	Nominal Length (In*)	Average Rated Hours*	Kelvin Temp.	CRI	Initial Lumens	Mean Lumens	Master Pack Qty.
32	T8	Med Bi-Pin	<b>S8426</b>	F32T8/830/HL/ENV	48	24000	3000	85	3200	3050	30
32	T8	Med Bi-Pin	<b>S8427</b>	F32T8/835/HL/ENV	48	24000	3500	85	3200	3050	30
32	T8	Med Bi-Pin	<b>S8428</b>	F32T8/841/HL/ENV	48	24000	4100	85	3200	3050	30
32	T8	Med Bi-Pin	<b>S8429</b>	F32T8/850/HL/ENV	48	24000	5000	85	3200	3050	30
32	T8	Med Bi-Pin	<b>S8430</b>	F32T8/865/HL/ENV	48	24000	6500	85	3050	2850	30

\* Based on 3 hours per start  
When used commercially (12 hours per start) life increases to 30,000 hours

T8 Bi-Pin Base



T8 Bi-Pin



# FLUORESCENT LAMPS

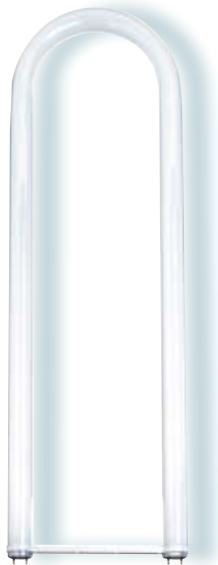
## T8 U-Bend Instant/Rapid Start Lamps

Wattage	Bulb	Base	Product Number	Description	Nominal Length (In*)	Average Rated Hours*	Kelvin Temp.	CRI	Initial Lumens	Mean Lumens	Leg Spacing	Master Pack Qty.
31	T8	Med Bi-Pin	<b>S8450</b>	FB31T8/830	22.5	20000	3000	82	2750	2250	1 5/8"	15
31	T8	Med Bi-Pin	<b>S8451</b>	FB31T8/835	22.5	20000	3500	82	2750	2250	1 5/8"	15
31	T8	Med Bi-Pin	<b>S8452</b>	FB31T8/841	22.5	20000	4100	82	2750	2250	1 5/8"	15
31	T8	Med Bi-Pin	<b>S8459</b>	FB31T8/850	22.5	20000	5000	75	2700	2500	1 5/8"	15
32	T8	Med Bi-Pin	<b>S8453</b>	FB32T8/730/ENV	22.5	20000	3000	75	2750	2475	6"	16
32	T8	Med Bi-Pin	<b>S8454</b>	FB32T8/735/ENV	22.5	20000	3500	75	2750	2475	6"	16
32	T8	Med Bi-Pin	<b>S8455</b>	FB32T8/741/ENV	22.5	20000	4100	75	2750	2475	6"	16
32	T8	Med Bi-Pin	<b>S8460</b>	FB32T8/750/ENV	22.5	20000	5000	75	2700	2430	6"	16
32	T8	Med Bi-Pin	<b>S8456</b>	FB32T8/830/ENV	22.5	20000	3000	82	3000	2700	6"	16
32	T8	Med Bi-Pin	<b>S8457</b>	FB32T8/835/ENV	22.5	20000	3500	82	3000	2700	6"	16
32	T8	Med Bi-Pin	<b>S8458</b>	FB32T8/841/ENV	22.5	20000	4100	82	3000	2700	6"	16

\* Based on 3 hours per start  
When used commercially (12 hours per start) life increases to 24,000 hours



T8 U-Bend 1 5/8"



T8 U-Bend 6"



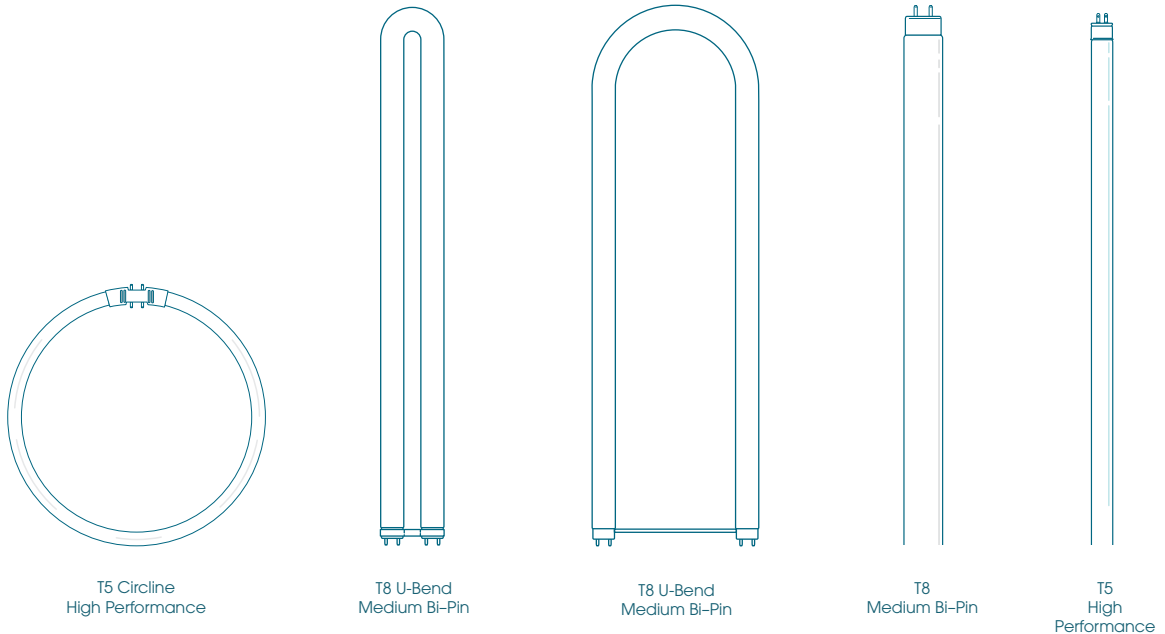
T8 U-Bend 1 5/8" Base



T8 U-Bend 6" Base

# FLUORESCENT LAMPS

## Bulb Shapes and Bases



### Fluorescent Notes

Due to the fragile nature of fluorescent tubes, some items can only be shipped in full cases. Please call customer service to inquire about additional charges and other shipping requirements.

ENV fluorescent lamps are designed to pass the Federal Toxic Characteristic Leaching Procedure (TCLP) criteria for classification as non-hazardous waste in most states. TCLP test results are available

upon request. Lamp disposal regulations may vary, check your local and state regulations. For more information, please visit [www.lamprecycle.org](http://www.lamprecycle.org).

### Shatter Proof

Shatter proof lamps are designed for any application where lamps are at risk of being broken. The rubber coating will contain the glass particles and phosphors should the lamp break, keeping it from falling into food, or elsewhere.

Many jurisdictions now require the use of coated lamps in all food preparation and service areas. This coating also has the added benefit of blocking all UV emissions from 100 to 380 nanometers, common to fluorescent technology. Please inquire with customer service for shatter proof lamps.

 Hg-Lamp CONTAINS MERCURY, MANAGE IN ACCORD WITH DISPOSAL LAWS. Visit [www.lamprecycle.org](http://www.lamprecycle.org) for disposal information for your state or local government.