

# T8 13W 4FT. BYP TITANIUM LED SERIES



PRO



13W REPLACES



**32W  
Fluo.**

60% Energy Savings

**\$136** Savings per fixture\*

- Wide beam design: 310° light emitting area
- Suitable for use in totally enclosed fixtures
- End-to-end lighting with no dark spots
- Frosted glass tube for increased light diffusion efficiency
- Meets NSF requirements
- Built-in universal voltage driver - Bypass installation



## TUBE FEATURES

### Extra Wide Beam Design - Frosted Glass Body

This lamp uses an innovative coated glass design that diffuses heat and light more evenly than plastic. As a result of its compact light engine, this lamp produces a light emitting area of 310°. This wider beam angle improves a fixture's total light distribution and creates a more complete lighting effect.



Lamp Front View



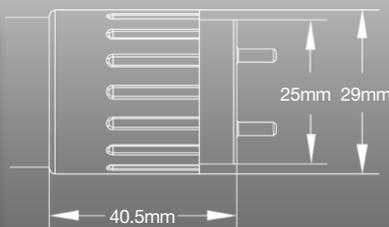
Lamp Back View

### End-to-End Lighting - Micro-Designed Driver

GREEN CREATIVE

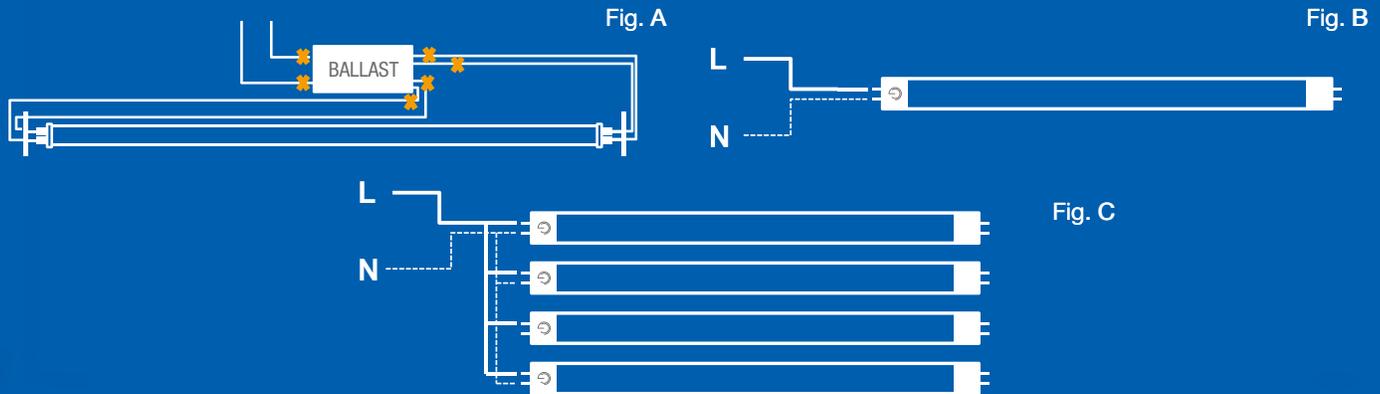


Other LED Tubes



The lamp's micro-designed driver is located within the tube end cap which allows for better thermal performance and no dark spots. The result is powerful and seamless light from end to end.

## BYPASS INSTALLATION



- 🕒 Bypass ballast by cutting all wires as in Fig. A
- 🕒 Directly wire Live + Neutral on a single end as in Fig. B for single tube or as in Fig. C for multiple tubes
- 🕒 Replace shunted lamp holder with non-shunted one if applicable (Instant Start)
- 🕒 Existing fixture maintains original UL compliance thanks to UL1598C tube

## SPECIFICATIONS

Product Model	28405 13T8/4F/830/BYP	28406 13T8/4F/835/BYP	28407 13T8/4F/840/BYP	28408 13T8/4F/850/BYP
<b>Type</b>	T8	T8	T8	T8
<b>Base</b>	Medium Bi-Pin G13	Medium Bi-Pin G13	Medium Bi-Pin G13	Medium Bi-Pin G13
<b>Power (W)</b>	13	13	13	13
<b>Voltage - Frequency</b>	120-277V 50-60Hz	120-277V 50-60Hz	120-277V 50-60Hz	120-277V 50-60Hz
<b>Color Temp. (ANSI)</b>	Warm White 3000K	Neutral White 3500K	Cool White 4000K	Daylight 5000K
<b>CRI (Ra)</b>	82	82	82	82
<b>Typical lumens (lm)</b>	1600	1650	1700	1700
<b>Efficacy (LPW)</b>	123	127	131	131
<b>Light Emitting Area</b>	310°	310°	310°	310°
<b>Beam Angle</b>	160°	160°	160°	160°
<b>Dimmable</b>	No	No	No	No
<b>Power Factor</b>	0.9	0.9	0.9	0.9
<b>THD</b>	<20%	<20%	<20%	<20%
<b>Rated Lifetime - L70 (hrs.)</b>	50,000	50,000	50,000	50,000
<b>Dia. x MOL</b>	1.14"x47.76" (29x1213mm)	1.14"x47.76" (29x1213mm)	1.14"x47.76" (29x1213mm)	1.14"x47.76" (29x1213mm)
<b>Weight (lb. / g)</b>	0.57lb. / 259g	0.57lb. / 259g	0.57lb. / 259g	0.57lb. / 259g

\* Savings per fixture based on \$0.11 / kw energy cost, 12 hrs / day lamp usage, 2x36W fixture / \$10 fluorescent tube, \$45 ballast with 15,000 hr lifetime, \$35 LED tube with 50,000 hr lifetime

\*\* Suitable for use in totally enclosed fixtures

\*\*\* Suitable for damp locations. Not for use where directly exposed to the weather or water

\*\*\*\* Full installation guide and more details available on website