

# T8 12W 4FT. DIR TITANIUM LED SERIES



PRO



12W REPLACES



**32W  
Fluo.**

60% Energy Savings

- ⌚ **Compatible with Instant Start & Programmed Start ballasts**
- ⌚ **Easy to install - Plug & Play Direct**
- ⌚ **Exceptional efficacy 138 LPW**
- ⌚ **Suitable for use in totally enclosed fixtures**
- ⌚ **End-to-end lighting with no dark spots**
- ⌚ **Dimmable**



## TUBE FEATURES

### Extra Wide Beam Design - Frosted Glass Body

This lamp uses an innovative glass design that diffuses heat and light more evenly. 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



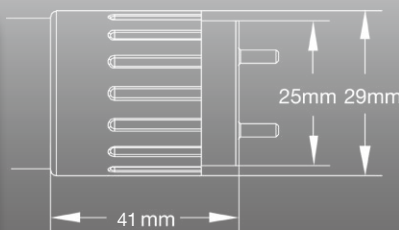
Lamp Back View

### 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.

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## SPECIFICATIONS

Product Model	97737 12T8/4F/830/DIR	97738 12T8/4F/835/DIR	97739 12T8/4F/840/DIR	97740 12T8/4F/850/DIR
Type	T8	T8	T8	T8
Base	Medium Bi-Pin G13	Medium Bi-Pin G13	Medium Bi-Pin G13	Medium Bi-Pin G13
Power (W)	12	12	12	12
Voltage - Frequency	120-277V 50-60Hz	120-277V 50-60Hz	120-277V 50-60Hz	120-277V 50-60Hz
Color Temp. (ANSI)	Warm White 3000K	Neutral White 3500K	Cool White 4000K	Daylight 5000K
CRI (Ra)	80	80	80	80
Typical lumens (lm)	1600	1600	1650	1650
Efficacy (LPW)	133	133	138	138
Light Emitting Area	310°	310°	310°	310°
Beam Angle	180°	180°	180°	180°
Dimmable	Yes	Yes	Yes	Yes
Power Factor	0.9	0.9	0.9	0.9
THD	<20%	<20%	<20%	<20%
Rated Lifetime - L70 (hrs.)	50,000	50,000	50,000	50,000
Dia. x MOL	1.14" x47.76" (29x1213mm)	1.14" x47.76" (29x1213mm)	1.14" x47.76" (29x1213mm)	1.14" x47.76" (29x1213mm)
Weight (lb. / g)	0.67lb. / 304g	0.67lb. / 304g	0.67lb. / 304g	0.67lb. / 304g

## BALLAST PERFORMANCE

Ballast Factor	Bare Lamp (W)	System (W)	3000K Lumens	3500K Lumens	4000K Lumens	5000K Lumens
Low BF .77	12	12.5	1300	1300	1350	1350
Normal BF .88	12	14.5	1600	1600	1650	1650
High BF 1.15	12	21.5	2100	2100	2150	2150

Testing Method: Above system power is half the total system power of a 2-tube installation using an Instant Start ballast. Power and lumen output will vary based on ballast and fixture type. Above data is indicative only.

\* Suitable for use in totally enclosed fixtures

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