

## Ballast Compatible 4ft, 3ft and 2ft T5HE Type A Lamps



PROJECT:

DATE:

TYPE:

PREPARED BY:



### KEY FEATURES

- Direct replacement for fluorescent 4ft F28T4, 3ft F21T5 and 2ft F14T5 tubes
- Easy to install **plug and play** that requires no rewiring, no tools, no instructions
- **50,000-hour** lifespan based on IES LM-80 and TM-21 calculations
- Rated for use in **enclosed and open fixtures** in **dry or damp** locations
- **Diffused frosted lens** will maintain the same light quality over time
- **Compatible** with most program start electronic **T5 Ballasts**, Please check Compatibility List.
- **Instant on full brightness**
- **Environmentally friendly**, no mercury used
- **NSF Listed:** NSF/ANSI Standard 2 - Food Equipment - Splash Zone (Not for Direct Food Zone without additional fixture considerations)
- **Dimmable** on select ballasts
- **UL Listed, DLC Listed**

### PERFORMANCE

Catalog Number	Equivalency	Input Wattage	Lumen	Efficacy	Color Temperature	CRI	L70 Lifespan	DLC ID
T5HE-6-24G-835-DIR	F14T5/HE FLUORESCENT	6	950	158	3500K	80	50,000	No current DLC category
T5HE-6-24G-840-DIR	F14T5/HE FLUORESCENT	6	1050	167	4000K	80	50,000	
T5HE-9-36G-835-DIR	F21T5/HE FLUORESCENT	9	1300	144	3500K	80	50,000	
T5HE-9-36G-840-DIR	F21T5/HE FLUORESCENT	9	1350	150	4000K	80	50,000	
T5HE-13-48G-835-DIR	F28T5/HE FLUORESCENT	13	1950	150	3500K	80	50,000	PLPU4F6MSDA4
T5HE-13-48G-840-DIR	F28T5/HE FLUORESCENT	13	2000	154	4000K	80	50,000	PLAA3YC00EQQ
T5HE-13-48G-850-DIR	F28T5/HE FLUORESCENT	13	2000	154	5000K	80	50,000	PLC19CGR9X06

## TECHNICAL SPECIFICATIONS

### CONSTRUCTION

<b>Product Type</b> Linear	<b>Endcap Material</b> Aluminum
<b>Length (Nominal)</b> 2ft, 3ft, 4ft	<b>Lens Finish</b> Frosted
<b>Bulb Shape</b> T5	<b>Base Type</b> G5
<b>Enclosure Material</b> Glass	<b>Beam Angle</b> 160°

### COMPLIANCE

#### Safety Listing

UL Listed, UL Classified

#### Environment/Fixture Rating

Damp / Enclosed

#### DLC

13W models are on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities

#### FCC

Complies with Part 15 of the FCC Rules.

#### NSF Listing

NSF/ANSI Standard 2 - Food Equipment (non-contact), Splash Zone, and Non-Food Zone. (Not for Direct Food Zone without additional fixture considerations).

#### RoHS

Mercury and UV free. RoHS-compliant components.

### ELECTRICAL

#### THD

≤20%

#### Power Factor

>0.9

#### Input Voltage

120-277V

#### Operating Frequency

50/60Hz

#### Operating Temperature

-20°C to 45°C

#### Note

All values are typical (tolerance +/- 10%)

### OTHER

#### Warranty

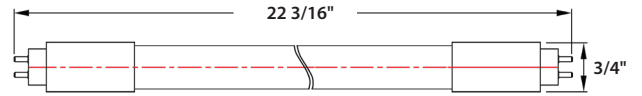
RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish.

RAB's warranty is subject to all terms and conditions found at [rablighting.com/warranty](http://rablighting.com/warranty).

## DIMENSIONS

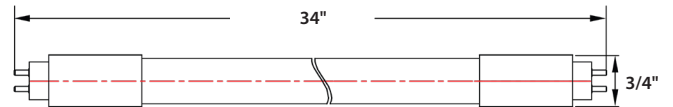
### T5HE 6W: 2ft

Weight: 0.2 lbs



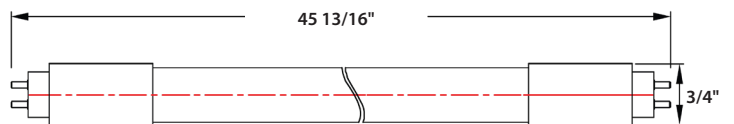
### T5HE 9W: 3ft

Weight: 0.3 lbs



### T5HE 13W: 4ft

Weight: 0.4 lbs



## BALLAST PERFORMANCE TABLE

Catalog Number	Bare Lamp Wattage	System Wattage	Lumens			
			3000K	3500K	4000K	5000K
T5HE-25-48G-8XX-DIR	13	16	n/a	1950	2000	2000
T5HE-18-36G-8XX-DIR	9	12	n/a	1300	1350	n/a
T5HE-9-24G-8XX-DIR	6	9	n/a	950	1000	n/a

## ORDERING INFO

Catalog Number	Model Number	UPC	Case Pack
T5HE-6-24G-835-DIR	T10145(T5HE-6-24G-835-DIR)	019813601816	25
T5HE-6-24G-840-DIR	T10146(T5HE-6-24G-840-DIR)	019813601823	25
T5HE-9-36G-835-DIR	T10149(T5HE-9-36G-835-DIR)	019813601830	25
T5HE-9-36G-840-DIR	T10150(T5HE-9-36G-840-DIR)	019813601847	25
T5HE-13-48G-835-DIR	T10153(T5HE-13-48G-835-DIR)	019813601854	25
T5HE-13-48G-840-DIR	T10154(T5HE-13-48G-840-DIR)	019813601861	25
T5HE-13-48G-850-DIR	T10155(T5HE-13-48G-850-DIR)	019813601878	25

## ORDERING MATRIX

### T5HE

Family	Wattage	Length	Material	CRI/Color Temp	Installation Type
T5HE	6 6W, 2FT 9 9W, 3FT 13 13W, 4FT	24 = 24" (2ft) 36 = 36" (3ft) 48 = 48" (4ft)	G Glass	850* 80 CRI, 5000K 840 80 CRI, 4000K 835 80 CRI, 3500K	DIR Ballast Compatible

\* 850 Only with 13W