

## 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      | 35000K            | 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       | PLAA3YC0OEQQ            |
| T5HE-13-48G-850-DIR | F28T5/HE FLUORESCENT | 13            | 2000  | 154      | 5000K             | 80  | 50,000       | PLC19CGR9X06            |

## TECHNICAL SPECIFICATIONS

### CONSTRUCTION

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

### COMPLIANCE

#### Safety Listing

UL Listed, UL Classified

#### Environment/Fixture Rating

Damp / Enclosed

#### DLC

This product is 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

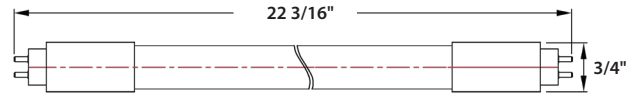
RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish.

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

## DIMENSIONS

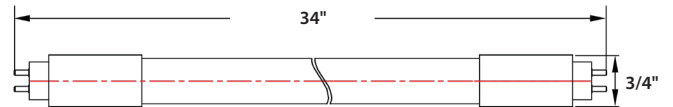
### T5HE 6W: 2ft

Weight: 0.2 lbs



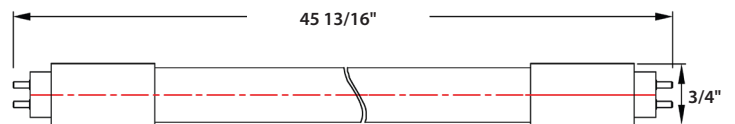
### T5HE 9W: 3ft

Weight: 0.3 lbs



### T5HE 13W: 4ft

Weight: 0.4 lbs



## BALLAST PERFORMANCE TABLE

| Catalog Number      | Bare Lamp<br>Wattage | System<br>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 (DLC/Energy Star) | 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   | -           | -              | G        | -                  | DIR                    |
|        | 6 6W, 2FT   | 24 = 24" (2ft) | G Glass  | 850* 80 CRI, 5000K | DIR Ballast Compatible |
|        | 9 9W, 3FT   | 36 = 36" (3ft) |          | 840 80 CRI, 4000K  |                        |
|        | 13 13W, 4FT | 48 = 48" (4ft) |          | 835 80 CRI, 3500K  |                        |

\* 850 Only with 13W