



## 36in T8 LED Tube, 13W, 5000K, 1900 Lumens, Direct Wire G13 Base

- Delivers 1,900 lumens at 13 watts for retrofit fluorescent fixtures
- 5000K color temperature with 80 CRI for daylight-balanced illumination
- Direct-wire (ballast bypass) installation via G13 medium bi-pin base
- Glass tube construction in a white finish, 36 inches in length
- Rated for 50,000-hour LED lifetime with a 120° beam angle
- Operates across 120-240V input with an IP20 dry-location rating

### OVERVIEW

The 8-T8-3-13W-F is a 36-inch T8 LED tube from General Electric, built for direct-wire (ballast bypass) installation in commercial and industrial fluorescent fixture retrofits. The G13 medium bi-pin base fits standard T8 tombstone sockets, and the glass construction matches conventional tube form factors with a white finish.

The tube operates at 13 watts and delivers 1,900 lumens at 5000K, providing a daylight color temperature suited for warehouses, offices, and retail environments. It carries an 80 CRI, a 120° beam angle, and an operating voltage range of 120-240V. The IP20 rating indicates suitability for dry indoor locations, with an ambient operating range of -20 to 40°C and a rated LED lifetime of 50,000 hours.

The product carries a 1-year warranty.

### SPECIFICATIONS

#### OPTICAL

|                   |          |
|-------------------|----------|
| Luminous Flux     | 1,900 lm |
| Color Temperature | 5,000 K  |
| CRI               | 80       |
| Beam Angle        | 120°     |
| LED Lifetime      | 50,000 h |
| Light Color       | White    |

#### MECHANICAL

|          |       |
|----------|-------|
| Finish   | White |
| Material | Glass |

#### ORDERING

|          |     |
|----------|-----|
| Warranty | 1 y |
|----------|-----|

#### ELECTRICAL

|                       |                              |
|-----------------------|------------------------------|
| Operating Voltage     | 120-240 V                    |
| Wattage               | 13 W                         |
| Input Connection Type | Direct Wire (Ballast Bypass) |

#### ENVIRONMENTAL

|                               |                        |
|-------------------------------|------------------------|
| IP Rating                     | IP20                   |
| Ambient Operating Temperature | -20-40 °C<br>-4-104 °F |

APPLICATIONS

- Warehouse fluorescent fixture retrofit
- Office ceiling troffer replacement
- Retail display lighting
- Commercial hallway and stairwell fixtures
- Industrial ballast-bypass tube replacement

PROVENANCE — REVIEW COPY ONLY

| slug                  | value                        | source | confidence |
|-----------------------|------------------------------|--------|------------|
| lumens                | 1,900 lm                     | db     | high       |
| cct_k                 | 5,000 K                      | db     | high       |
| cri                   | 80                           | db     | high       |
| beam_angle_deg        | 120°                         | db     | high       |
| led_lifetime_h        | 50,000 h                     | db     | high       |
| color                 | White                        | db     | high       |
| operating_voltage     | 120–240 V                    | db     | high       |
| wattage               | 13 W                         | db     | high       |
| input_connection_type | Direct Wire (Ballast Bypass) | pdf    | high       |
| finish                | White                        | db     | high       |
| material              | Glass                        | db     | high       |
| ip_rating             | IP20                         | db     | high       |
| ambient_temp_c        | –20–40 °C                    | db     | high       |
| warranty_years        | 1 y                          | db     | high       |

Specifications subject to change without notice.