

# Technical Information Bulletin

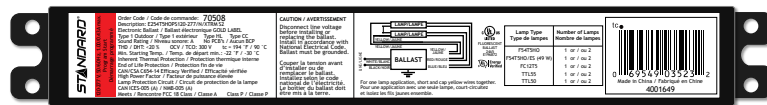
## Ballast



Date: \_\_\_\_\_ Name of distributor: \_\_\_\_\_  
 In hands date of project: \_\_\_\_\_ Client #: \_\_\_\_\_  
 Project name/Number: \_\_\_\_\_ Name of end user: \_\_\_\_\_

### ORDERING INFORMATION

Order Code: 70508  
 Description: E254T5HOPS120-277/N/XTRM S2  
 UPC: 069549035232



### SPECIFICATIONS

|                               |                |                                        |           |
|-------------------------------|----------------|----------------------------------------|-----------|
| <b>Ballast Type:</b>          | Electronic     | <b>Type:</b>                           | 1 Outdoor |
| <b>Starting Method:</b>       | Program Start  | <b>Contains PCBs:</b>                  | No        |
| <b>Lamp Connection:</b>       | Series         | <b>Sound Rating:</b>                   | A         |
| <b>Input Voltage (V):</b>     | 120-277        | <b>Open Current Voltage (OCV) (V):</b> | 300       |
| <b>Input Frequency (Hz):</b>  | 50/60          | <b>Inherent Thermal Protection:</b>    | Yes       |
| <b>Max. Case Temperature:</b> | 194 °F / 90 °C | <b>ICES-005 Compliant:</b>             | Class A   |
| <b>Thermal Protection:</b>    | Class P        | <b>Auto-restrike:</b>                  | Yes       |
|                               |                | <b>End of Life (EoL) Protection:</b>   | Yes       |



CAN/CSA C654-14  
 Efficacy Verified

| Lamp Type         | Number of Lamps | Rated Lamp Watts | Min. Start Temp. (°F / °C) | Input Current (A) | Input Power (ANSI Watts) | Ballast Factor | Max THD (%) | Power Factor | Max. Lamp Current Crest Factor | B.E.F. |
|-------------------|-----------------|------------------|----------------------------|-------------------|--------------------------|----------------|-------------|--------------|--------------------------------|--------|
| <b>120 VOLTS</b>  |                 |                  |                            |                   |                          |                |             |              |                                |        |
| F54T5HO           | 2               | 54               | -22/-30                    | 1.00              | 120                      | 1.00           | 10          | 0.98         | 1.70                           | 0.83   |
| FC12T5            | 2               | 55               | -22/-30                    | 0.87              | 106                      | 0.86           | 10          | 0.98         | 1.70                           | 0.81   |
| PL55/TTL          | 2               | 55               | -22/-30                    | 0.94              | 112                      | 0.91           | 10          | 0.98         | 1.70                           | 0.81   |
| PL50/TTL          | 2               | 50               | -22/-30                    | 1.01              | 118                      | 1.12           | 10          | 0.98         | 1.70                           | 0.95   |
| F54T5HO/ES (49 W) | 2               | 49               | -22/-30                    | 0.88              | 106                      | 0.99           | 10          | 0.98         | 1.70                           | 0.93   |
| F54T5HO           | 1               | 54               | -22/-30                    | 0.52              | 62                       | 1.03           | 10          | 0.98         | 1.70                           | 1.66   |
| FC12T5            | 1               | 55               | -22/-30                    | 0.45              | 55                       | 0.88           | 10          | 0.98         | 1.70                           | 1.60   |
| PL55/TTL          | 1               | 55               | -22/-30                    | 0.51              | 58                       | 0.93           | 10          | 0.98         | 1.70                           | 1.60   |
| PL50/TTL          | 1               | 50               | -22/-30                    | 0.52              | 61                       | 1.15           | 10          | 0.98         | 1.70                           | 1.89   |
| F54T5HO/ES (49 W) | 1               | 49               | -22/-30                    | 0.44              | 53                       | 0.90           | 10          | 0.99         | 1.70                           | 1.69   |
| <b>277 VOLTS</b>  |                 |                  |                            |                   |                          |                |             |              |                                |        |
| F54T5HO           | 2               | 54               | -22/-30                    | 0.43              | 117                      | 1.00           | 10          | 0.97         | 1.70                           | 0.85   |
| FC12T5            | 2               | 55               | -22/-30                    | 0.37              | 103                      | 0.86           | 10          | 0.97         | 1.70                           | 0.83   |
| PL55/TTL          | 2               | 55               | -22/-30                    | 0.40              | 109                      | 0.91           | 10          | 0.97         | 1.70                           | 0.83   |
| PL50/TTL          | 2               | 50               | -22/-30                    | 0.43              | 115                      | 1.12           | 10          | 0.97         | 1.70                           | 0.97   |
| F54T5HO/ES (49 W) | 2               | 49               | -22/-30                    | 0.38              | 105                      | 0.98           | 10          | 0.97         | 1.70                           | 0.93   |
| F54T5HO           | 1               | 54               | -22/-30                    | 0.23              | 62                       | 1.03           | 20          | 0.90         | 1.70                           | 1.66   |
| FC12T5            | 1               | 55               | -22/-30                    | 0.20              | 55                       | 0.88           | 20          | 0.90         | 1.70                           | 1.60   |
| PL55/TTL          | 1               | 55               | -22/-30                    | 0.22              | 58                       | 0.93           | 20          | 0.90         | 1.70                           | 1.60   |
| PL50/TTL          | 1               | 50               | -22/-30                    | 0.23              | 61                       | 1.15           | 20          | 0.90         | 1.70                           | 1.89   |
| F54T5HO/ES (49 W) | 1               | 49               | -22/-30                    | 0.21              | 58                       | 1.04           | 10          | 0.90         | 1.70                           | 1.79   |

Data is based upon tests performed in a controlled environment and representative of relative performance. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice.

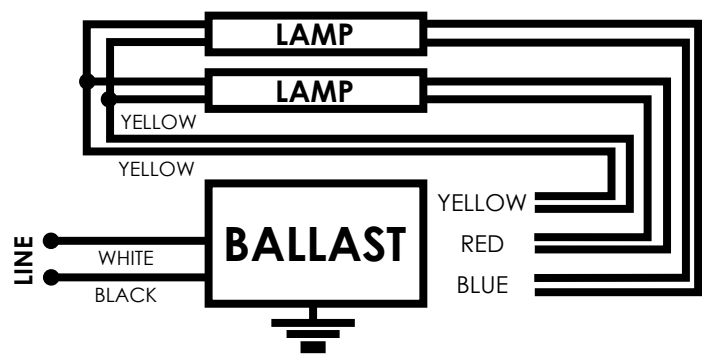
March 12, 2025

# Technical Information Bulletin

## Ballast



### WIRING DIAGRAM



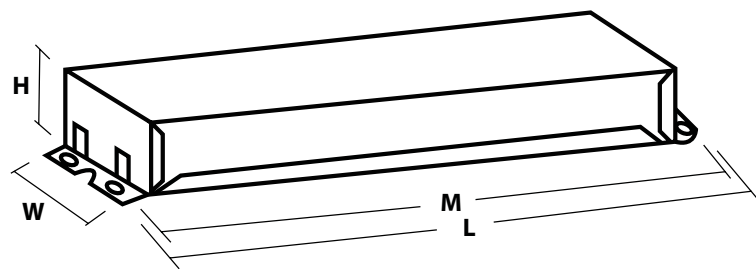
For one lamp application, cap off both yellow wires.

### LEADS LENGTH

|        |                |
|--------|----------------|
| Black  | 25" (63.5 cm)  |
| White  | 25" (63.5 cm)  |
| Blue   | 31" (78.7 cm)  |
| Red    | 31" (78.7 cm)  |
| Yellow | 46" (116.8 cm) |

### BALLAST DIMENSIONS

|               |                |
|---------------|----------------|
| Length (L):   | 9.5" (24.1 cm) |
| Width (W):    | 1.3" (3.3 cm)  |
| Height (H):   | 1.1" (2.8 cm)  |
| Mounting (M): | 8.9" (22.6 cm) |



| Qty | Description | Price |
|-----|-------------|-------|
|     |             |       |

I accept the specifications of the ballast configuration mentioned above.

Name: \_\_\_\_\_  
Company: \_\_\_\_\_  
Signature: \_\_\_\_\_

Date: \_\_\_\_\_

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