

### APPLICATION and PERFORMANCE SPECIFICATION



Line Voltage: 120-277V 50/60Hz Series Lamp  
Hybrid Lamp Operation,  
Lamp End of Life Protection  
Program Start, Type CC  
Active Power Factor Correction  
Description: DB-4M54-PS-MV-90

| Lamp Type        | Lamp No. | Rated Lamp Watts | Min. Start Temp. (F/C) | Input Voltage (Vols) | Input Current (Amps) | Input Power (Watts) | THD $\leq\%$ | PF $\geq$ | CF $\leq$ | BF   | BEF  |
|------------------|----------|------------------|------------------------|----------------------|----------------------|---------------------|--------------|-----------|-----------|------|------|
| * F54T5/HO       | 4        | 54               | -20/-29                | 120                  | 2.00                 | 231                 | 10           | 0.98      | 1.70      | 1.00 | 0.42 |
| YDW55-HRD        | 4        | 55               | -20/-29                | 120                  | 1.90                 | 226                 | 10           | 0.98      | 1.70      | 0.91 | 0.38 |
| CFT50W/2G11      | 4        | 50               | -20/-29                | 120                  | 1.57                 | 200                 | 10           | 0.98      | 1.70      | 1.15 | 0.57 |
| * F54T5/HO       | 3        | 54               | -20/-29                | 120                  | 1.50                 | 176                 | 10           | 0.98      | 1.70      | 1.03 | 0.58 |
| YDW55-HRD        | 3        | 55               | -20/-29                | 120                  | 1.50                 | 170                 | 10           | 0.98      | 1.70      | 0.93 | 0.53 |
| CFT50W/2G11      | 3        | 50               | -20/-29                | 120                  | 1.28                 | 150                 | 10           | 0.98      | 1.70      | 1.15 | 0.76 |
| * F54T5/HO       | 2        | 54               | -20/-29                | 120                  | 1.00                 | 120                 | 10           | 0.98      | 1.70      | 1.00 | 0.83 |
| YDW55-HRD        | 2        | 55               | -20/-29                | 120                  | 0.94                 | 113                 | 10           | 0.98      | 1.70      | 0.91 | 0.81 |
| CFT50W/2G11      | 2        | 50               | -20/-29                | 120                  | 0.84                 | 100                 | 10           | 0.98      | 1.70      | 1.15 | 1.15 |
| F54T5/HO/EA(49W) | 4        | 49               | -20/-29                | 120                  | 1.78                 | 214                 | 10           | 0.98      | 1.70      | 0.97 | 0.45 |
| F54T5/HO/EA(49W) | 3        | 49               | -20/-29                | 120                  | 1.34                 | 162                 | 10           | 0.98      | 1.70      | 0.97 | 0.60 |
| F54T5/HO/EA(49W) | 2        | 49               | -20/-29                | 120                  | 0.88                 | 106                 | 10           | 0.98      | 1.70      | 0.97 | 0.92 |
| * F54T5/HO       | 4        | 54               | -20/-29                | 277                  | 0.86                 | 228                 | 10           | 0.98      | 1.70      | 1.00 | 0.43 |
| YDW55-HRD        | 4        | 55               | -20/-29                | 277                  | 0.90                 | 222                 | 10           | 0.97      | 1.70      | 0.91 | 0.38 |
| CFT50W/2G11      | 4        | 50               | -20/-29                | 277                  | 0.77                 | 196                 | 10           | 0.97      | 1.70      | 1.15 | 0.58 |
| * F54T5/HO       | 3        | 54               | -20/-29                | 277                  | 0.65                 | 173                 | 10           | 0.92      | 1.70      | 1.03 | 0.59 |
| YDW55-HRD        | 3        | 55               | -20/-29                | 277                  | 0.60                 | 160                 | 10           | 0.92      | 1.70      | 0.93 | 0.58 |
| CFT50W/2G11      | 3        | 50               | -20/-29                | 277                  | 0.53                 | 146                 | 10           | 0.92      | 1.70      | 1.15 | 0.78 |
| * F54T5/HO       | 2        | 54               | -20/-29                | 277                  | 0.43                 | 117                 | 10           | 0.98      | 1.70      | 1.00 | 0.85 |
| YDW55-HRD        | 2        | 55               | -20/-29                | 277                  | 0.41                 | 113                 | 10           | 0.97      | 1.70      | 0.91 | 0.81 |
| CFT50W/2G11      | 2        | 50               | -20/-29                | 277                  | 0.36                 | 98                  | 10           | 0.97      | 1.70      | 1.15 | 1.17 |
| F54T5/HO/EA(49W) | 4        | 49               | -20/-29                | 277                  | 0.78                 | 209                 | 10           | 0.96      | 1.70      | 0.97 | 0.46 |
| F54T5/HO/EA(49W) | 3        | 49               | -20/-29                | 277                  | 0.61                 | 159                 | 10           | 0.93      | 1.70      | 0.97 | 0.61 |
| F54T5/HO/EA(49W) | 2        | 49               | -20/-29                | 277                  | 0.39                 | 104                 | 10           | 0.96      | 1.70      | 0.97 | 0.93 |

Note: the above data is tested at 60Hz. Application and Performance Specification Information Subject to Change without Notification.

Fully meet UL/CSA safety standard, but customer is required to go through the UL test by itself.

#### Performance:

- Meets ANSI Standard C82.11-2002
- Meets ANSI Standard C62.41-2002
- Meets FCC 18 Non CONSUMER Limits

#### Safety:

- No PCB'S, Type HL
- UL & cUL listed (Class P, Type 1 Outdoor)
- OCV 300V
- No-load : <10 Watt

**Model #: 80236**

**Description: DB-4M54-PS-MV-90**

**Application:**

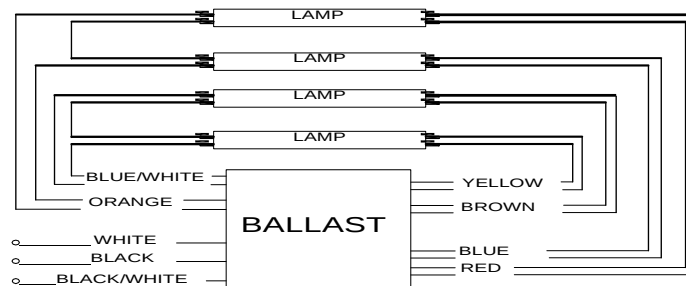
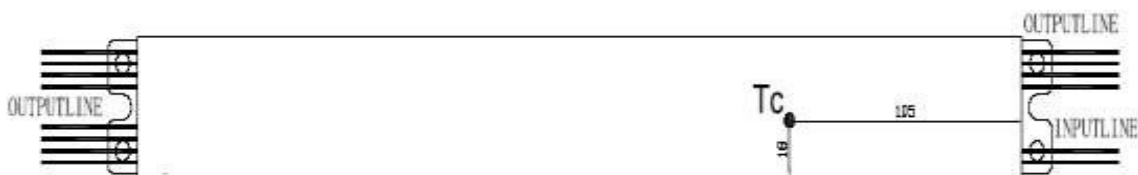
- Maximum Ambient Temperature : 131 °F, 55°C
- Sound Rated : A
- Maximum case temperature Tc : 194 °F, 90°C
- Remote Mounting: 18ft. max. Lead length, 18AWG

**Physical Parameters:**

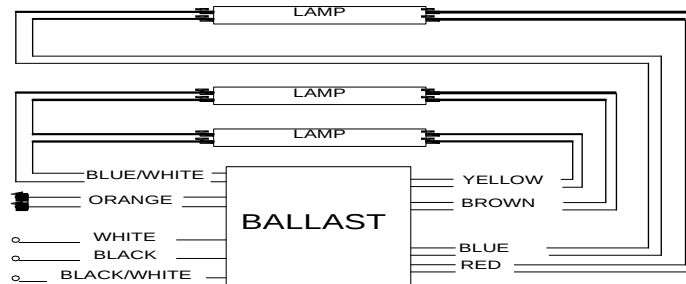
- Length : 16.75"
- Width : 1.8"
- Height : 1.2"
- Weight : 3.0Pbs

**Lead Length:**

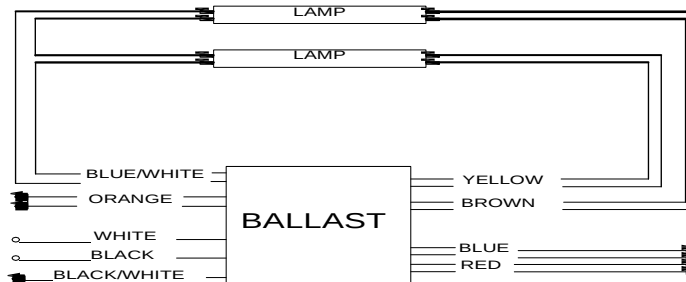
- White, Black, Black/White 25" (±1")
- Blue/White, Orange 46" (±1")
- Red, Blue, Brown, Yellow 31" (±1")



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