



GE
Lighting

67566 - GE454MVPS90-F

4-1 - F54T5HO 120 to 277 UltraStart PRS High Temp F Can; High Efficiency T5 ballast with Continuous Cathode Cutout Technology

- Lower Maintenance Costs with Parallel Lamp Operation
- Multi-Voltage technology means a single ballast handles voltage from 108V to 305V
- Auto-Restart withstands temporary losses in power without the need to cycle power
- UltraCool™ Operation 90C case rating/UL Approved 55C Ambient Rating
- Individual lamp End of Lamp Life protection - only one lamp shuts down at end of life
- Anti-Striation Control for better light quality, with no striations.
- Cold temperature -20F Minimum Starting Temperature

GENERAL CHARACTERISTICS

| | |
|---------------------------|--|
| Category | Linear Fluorescent |
| Ballast Type | Electronic - Rapid Start |
| Starting Method | Programmed Rapid Start |
| Lamp Wiring | Parallel |
| Ambient Temperature (MIN) | -20.0 °F |
| Ambient Temperature (MAX) | 131.0 °F (55 °C) |
| Case Temperature (MAX) | 90.0 °C |
| Ballast Factor | Normal-High (1.0) |
| Power Factor Correction | Active |
| Sound Rating | A (20-24 decibels) |
| Enclosure Type | Metal Can |
| Additional Info | Auto reset after lamp replacement / Active Power Factor Correction / Inherent thermal protection / Parallel Lamp Operation / Program (Rapid) start / No PCBs |

PRODUCT INFORMATION

| | |
|----------------------------------|----------------|
| Product Code | 67566 |
| Description | GE454MVPS90-F |
| Standard Package | Pallet |
| Standard Package GTIN | 10043168675663 |
| Standard Package Quantity | 10 |
| Sales Unit | Pallet |
| No Of Items Per Sales Unit | 10 |
| No Of Items Per Standard Package | 10 |
| UPC | 043168675666 |

DIMENSIONS

| | | | |
|--------------------------------|-----|---------------------|------------------|
| Case dimensions | | | |
| Length (L) | | 11.8 in(298.45 mm) | |
| Width (W) | | 1.7 in(43.18 mm) | |
| Height (H) | | 1.2 in(30.48 mm) | |
| Mounting dimensions | | | |
| Bracket Length (BL) | | NaN in(NaN mm) | |
| Mount Length (M) | | 11.1 in(282.96 mm) | |
| Mount Width (X or F) | | NaN in(NaN mm) | |
| Mount Slots (MS) | | 0.2 in(6.35 mm) | |
| Weight (NOM) | | 1.94 lb | |
| Exit Type | | Side | |
| Remote Mounting Distance (NOM) | | 12.0 ft | |
| Lead lengths | Qty | Exit | Length (± 1 in.) |
| Black | 1 | Left | 25 (635 mm) |
| White | 1 | Left | 25 (635 mm) |
| Red | 1 | Right | 33 (838 mm) |
| Blue | 1 | Right | 33 (838 mm) |
| Blue/White | 1 | Right | 33 (838 mm) |
| Red/White | 1 | Right | 33 (838 mm) |
| Yellow | 1 | Left | 47 (1194 mm) |

ELECTRICAL CHARACTERISTICS

| | |
|--------------------------------|-------------------|
| Supply Current Frequency (NOM) | 50.0 Hz / 60.0 Hz |
|--------------------------------|-------------------|

SAFETY & PERFORMANCE

- Product is compliant with material restriction requirements of RoHS
- UL 55C Ambient Approved
- UL type 1
- ANSI - C82.11
- UL Type HL
- FCC - CLASS A Non-Consumer
- UL Class P
- 70C max case temp 5 yr warranty or 90C max case temp 3 yr warranty
- Type CC
- cUL Listed
- ANSI - C62.41
- No PCB's

SPECIFICATIONS BY LAMP & WATTAGE

| Lamp | # of Lamps | Line Volts | System Watts | Nom. Line Current | System Ballast Factor | Ballast Efficacy Factor | Power Factor% (>=) | Crest Factor (<=) | THD% (<=) | Min. Starting Temp (°F/°C) |
|----------|------------|------------|--------------|-------------------|-----------------------|-------------------------|--------------------|-------------------|-----------|----------------------------|
| FT55W/4P | 1 | 120 | 65 | 0.54 A | 0.91 | | 99 | 1.4 | 12.0 | 0.0 °F / NaN |
| FT55W/4P | 2 | 120 | 108 | 0.91 A | 0.88 | | 99 | 1.4 | 10.0 | 0.0 °F / NaN |

| | | | | | | | | | | |
|-----------|---|-----|-----|--------|------|--|------|-----|------|----------------|
| FT55W/4P | 1 | 277 | 66 | 0.26 A | 0.91 | | 89 | 1.4 | 23.0 | 0.0 °F / NaN |
| FT55W/4P | 2 | 277 | 108 | 0.4 A | 0.88 | | 97 | 1.4 | 8.0 | 0.0 °F / NaN |
| FT55W/4P | 3 | 120 | 162 | 1.36 A | 0.86 | | 100 | 1.4 | 9.0 | 0.0 °F / NaN |
| FT55W/4P | 3 | 277 | 160 | 0.59 A | 0.86 | | 98 | 1.4 | 9.0 | 0.0 °F / NaN |
| FT55W/4P | 4 | 120 | 206 | 1.73 A | 0.86 | | 100 | 1.4 | 7.0 | 0.0 °F / NaN |
| FT55W/4P | 4 | 277 | 203 | 0.75 A | 0.86 | | 98.7 | 1.4 | 8.0 | 0.0 °F / NaN |
| FT50W/4P | 1 | 120 | 68 | 0.57 A | 1.19 | | 99 | 1.4 | 12.0 | 0.0 °F / NaN |
| FT50W/4P | 1 | 277 | 69 | 0.27 A | 1.19 | | 90 | 1.4 | 22.0 | 0.0 °F / NaN |
| FT50W/4P | 2 | 120 | 117 | 0.98 A | 1.08 | | 99 | 1.4 | 10.0 | 0.0 °F / NaN |
| FT50W/4P | 2 | 277 | 117 | 0.43 A | 1.08 | | 98 | 1.4 | 8.0 | 0.0 °F / NaN |
| FT50W/4P | 3 | 120 | 171 | 1.43 A | 1.03 | | 99.7 | 1.4 | 8.0 | 0.0 °F / NaN |
| FT50W/4P | 3 | 277 | 169 | 0.62 A | 1.03 | | 98.3 | 1.4 | 9.0 | 0.0 °F / NaN |
| FT50W/4P | 4 | 120 | 222 | 1.86 A | 1.07 | | 99.7 | 1.4 | 7.0 | 0.0 °F / NaN |
| FT50W/4P | 4 | 277 | 218 | 0.81 A | 1.07 | | 98.8 | 1.4 | 8.0 | 0.0 °F / NaN |
| F58T8 | 2 | 120 | 110 | 0.92 A | | | 99 | 1.4 | 10.0 | -20.0 °F / NaN |
| F58T8 | 1 | 120 | 66 | 0.57 A | | | 99 | 1.4 | 12.0 | -20.0 °F / NaN |
| F58T8 | 2 | 277 | 110 | 0.41 A | | | 98 | 1.4 | 8.0 | -20.0 °F / NaN |
| F58T8 | 1 | 277 | 66 | 0.29 A | | | 90 | 1.4 | 23.0 | -20.0 °F / NaN |
| F58T8 | 3 | 120 | 159 | 1.34 A | | | 100 | 1.4 | 9.0 | -20.0 °F / NaN |
| F58T8 | 3 | 277 | 157 | 0.58 A | | | 98 | 1.4 | 9.0 | -20.0 °F / NaN |
| F58T8 | 4 | 120 | 208 | 1.74 A | | | 100 | 1.4 | 7.0 | -20.0 °F / NaN |
| F58T8 | 4 | 277 | 205 | 0.76 A | | | 99 | 1.4 | 9.0 | -20.0 °F / NaN |
| F54T5WM | 2 | 120 | 112 | 0.94 A | 0.99 | | 99 | 1.4 | 10.0 | 0.0 °F / NaN |
| F54T5WM | 1 | 277 | 67 | 0.3 A | 1.12 | | 90 | 1.4 | 23.0 | 0.0 °F / NaN |
| F54T5WM | 1 | 120 | 66 | 0.58 A | 1.12 | | 99 | 1.4 | 12.0 | 0.0 °F / NaN |
| F54T5WM | 2 | 277 | 112 | 0.41 A | 0.99 | | 98 | 1.4 | 8.0 | 0.0 °F / NaN |
| F54T5WM | 4 | 277 | 213 | 0.78 A | 1.00 | | 99 | 1.4 | 8.0 | 0.0 °F / NaN |
| F54T5WM | 4 | 277 | 216 | 1.83 A | 1.00 | | 99 | 1.4 | 8.0 | 0.0 °F / NaN |
| F54T5WM | 4 | 120 | 214 | 1.79 A | 1.00 | | 100 | 1.4 | 7.0 | 0.0 °F / NaN |
| F54T5WM | 3 | 120 | 163 | 1.36 A | 0.98 | | 100 | 1.4 | 8.0 | 0.0 °F / NaN |
| F54T5WM | 3 | 277 | 163 | 0.6 A | 0.93 | | 98 | 1.4 | 8.0 | -20.0 °F / NaN |
| F54T5WM | 3 | 277 | 161 | 0.59 A | 0.98 | | 98 | 1.4 | 9.0 | 0.0 °F / NaN |
| F54T5/HO | 3 | 277 | 163 | 0.6 A | 0.93 | | 98 | 1.4 | 8.0 | -20.0 °F / NaN |
| F54T5/HO | 1 | 120 | 69 | 0.57 A | 1.16 | | 99 | 1.4 | 12.0 | -20.0 °F / NaN |
| F54T5/HO | 1 | 277 | 69 | 0.27 A | 1.16 | | 90 | | 1.4 | -20.0 °F / NaN |
| F54T5/HO | 2 | 120 | 118 | 0.99 A | 0.96 | | 98 | 1.4 | 10.0 | -20.0 °F / NaN |
| F54T5/HO | 2 | 277 | 117 | 0.43 A | 0.96 | | 96 | 1.4 | 9.0 | 0.0 °F / NaN |
| F54T5/HO | 3 | 120 | 165 | 1.38 A | 0.93 | | 100 | 1.4 | 8.0 | -20.0 °F / NaN |
| F54T5/HO | 4 | 120 | 220 | 1.84 A | 1.00 | | 100 | 1.4 | 7.0 | -20.0 °F / NaN |
| F54T5/HO | 4 | 277 | 216 | 0.8 A | 1.00 | | 99 | 1.4 | 8.0 | -20.0 °F / NaN |
| F54T5/47W | 1 | 120 | 64 | 0.53 A | 1.09 | | 99 | 1.4 | 13.0 | -20.0 °F / NaN |
| F54T5/47W | 1 | 277 | 63 | 0.26 A | 1.09 | | 88 | 1.4 | 24.0 | -20.0 °F / NaN |
| F54T5/47W | 2 | 120 | 109 | 0.91 A | 1.03 | | 99 | 1.4 | 10.0 | -20.0 °F / NaN |
| F54T5/47W | 2 | 277 | 109 | 0.4 A | 1.03 | | 98 | 1.4 | 8.0 | -20.0 °F / NaN |
| F54T5/47W | 3 | 120 | 158 | 1.32 A | 1.00 | | 100 | 1.4 | 8.0 | -20.0 °F / NaN |
| F54T5/47W | 3 | 277 | 156 | 0.57 A | 1.00 | | 97 | 1.4 | 9.0 | -20.0 °F / NaN |
| F54T5/47W | 4 | 120 | 206 | 1.85 A | 1.00 | | 100 | 1.4 | 7.0 | -20.0 °F / NaN |
| F54T5/47W | 4 | 277 | 202 | 0.79 A | 1.00 | | 99 | 1.4 | 8.0 | -20.0 °F / NaN |

NOTES

- FOR THREE LAMP OPERATION INDIVIDUALLY INSULATE BLUE LEADS FOR 1000 Vrms
- FOR TWO LAMP OPERATION INDIVIDUALLY INSULATE BLUE AND RED LEADS FOR 1000 Vrms
- FOR ONE LAMP OPERATION OF F54T5HO AND F54T5HOWM ONLY INDIVIDUALLY INSULATE BLUE AND BLUE/WHITE AND RED LEADS FOR 1000 Vrms

WARRANTY INFORMATION

GE Lighting warrants to the purchaser that each ballast will be free from defects in material or workmanship for period as defined in the attached documents from the date of manufacture when properly installed and under normal conditions of use.