# of T5 systems.

## The Highlights

The GE T5HO 47W UltraStart® Watt-Miser® System utilizes GE's best fluorescent technology to offer its most energy-efficient system – producing nearly the same light output of a 54W system.* These energy savings, combined with long life and hassle-free maintenance, make this lamp and ballast system the ideal solution for high-bay or commercial troffer applications.

## What's inside?

### GE T5HO 47W Watt-Miser® Lamp

Save $23 in energy costs over the life of each lamp** while achieving nearly the same light output as a 54W T5HO.

### GE UltraStart® T5 Multi-Volt Ballast

Save an incremental $3 per lamp, $12 per 4-lamp fixture due to energy saving full cathode cutout ballast technology.

**energy savings | long life | hassle-free maintenance**

*4,800 lumens vs. 5,000 lumens for standard 54W.
**Based on $.11/kWh, 30.000 hrs burn, savings per one 54W T5 lamp.

# Specifications

## LAMPS

| Product Code | Description | Case Quantity | Nominal Watts | Initial Lumens | Mean Lumens | Rated Life (3hr/Start) | Rated Life (12hr/Start) | Color Temp (K) | CRI |
|---|---|---|---|---|---|---|---|---|---|
| 62020 | F54T5/47W/830ECO | 40 | 47 | 4,800 | 4,410 | 30,000 | 36,000 | 3,000 | 84 |
| 62021 | F54T5/47W/835ECO | 40 | 47 | 4,800 | 4,410 | 30,000 | 36,000 | 3,500 | 84 |
| 62022 | F54T5/47W/841ECO | 40 | 47 | 4,800 | 4,410 | 30,000 | 36,000 | 4,100 | 84 |
| 62023 | F54T5/47W/850ECO | 40 | 47 | 4,600 | 4,230 | 30,000 | 36,000 | 5,000 | 84 |
| 62024 | F54T5/47W/865ECO | 40 | 47 | 4,550 | 4,180 | 30,000 | 36,000 | 6,500 | 84 |

## BALLASTS

| Product Code | Description | Extended Description |
|---|---|---|
| 77114 | GE454MVPS90-E | 4-1 - F54T5HO 120-277V UltraStart® High Temp |
| 73192 | GE454MVPS90-G | 4-1 - F54T5HO 120-277V UltraStart® High Temp with bi-level switching |
| 62729* | GE454PS347/480-E | 4-1 - F54T5HO 347/480V UltraStart® High Temp |
| 62731* | GE454PS347-E | 4-1 - F54T5HO 347V UltraStart® High Temp |
| 62117 | GE254MVPS-F | 2-1 - F54T5HO 347V UltraStart® High Temp with lead wires |
| 62728* | GE254PS347/480-E | 2-1 - F54T5HO 347/480V UltraStart® High Temp with lead wires |
| 62730* | GE254PS347-F | 2-1 - F54T5HO 347V UltraStart® High Temp with lead wires |
| 72279 | GE254MVPS-D | 2-1 - F54T5HO 120-277V UltraStart® low profile with connectors |

## SYSTEM

| Ballast Model | Line Volts | No. of Lamps | Lamp Type | Input Watts | Nominal Line Amps | Ballast Factor | Power Factor | Harmonic Total | Crest Factor | Min. Starting Temp. |
|---|---|---|---|---|---|---|---|---|---|---|
| GE454MVPS90-E | 120/277 | 4 | F54T5/47W | 206 / 202 | 1.85 / 0.79 | 1.00 | > 0.98 | < 8% | 1.4 | |
| (77114) | 120/277 | 4 | F54T5/WM (51W) | 214 / 210 | 1.79 / 0.78 | 1.00 | > 0.98 | < 8% | 1.4 | 0°F |
| | 120/277 | 4 | F54T5/HO | 220 / 216 | 1.84 / 0.80 | 1.00 | > 0.98 | < 8% | 1.4 | -20°F |
| GE454MVPS90-G | 120/277 | 4 | F54T5/47W | 206 / 201 | 1.82 / 0.77 | 1.00 | > 0.98 | < 7% | 1.6 | |
| (73192) | 120/277 | 4 | F54T5/WM (51W) | 220 / 216 | 1.84 / 0.79 | 1.00 | > 0.98 | < 7% | 1.6 | 5°F |
| | 120/277 | 4 | F54T5HO | 232 / 226 | 1.94 / 0.83 | 1.00 | > 0.98 | < 7% | 1.6 | 5°F |
| GE254MVPS-F | 120/277 | 2 | F54T5/47W | 105 / 103 | 0.38 / 0.23 | 1.00 | > 0.96 | < 14% | 1.4 | |
| (62117) | 120/277 | 2 | F54T5/WM (51W) | 109 / 107 | 0.40 / 0.25 | 1.00 | > 0.96 | < 13% | 1.4 | 0°F |
| | 120/277 | 2 | F54T5HO | 117 / 114 | 0.42 / 0.26 | 1.00 | > 0.96 | < 12% | 1.4 | -20°F |

*available Q4 2011

imagination at work

US/Canada Customer Ordering and Tracking, visit www.GEelitenet.com
For detailed ballast and lamp specifications, visit www.GELighting.com
For order, technical or warranty assistance, call 1-888-GE BALLAST (432-2552)

PC 65030

GE
Lighting

T5HO 47W
UltraStart® Watt-Miser® System

# GE T5HO 47W UltraStart® Watt-Miser® System

GE's most energy-efficient
T5 lamp and ballast system.

imagination at work

# The next evolution

## Introducing the GE T5HO 47W UltraStart® Watt-Miser® System

Get ready to reduce your overhead.
Overhead.

# 3 BIG REASONS

## why the GE T5HO 47W UltraStart® Watt-Miser® System outshines the competition.

## ENERGY SAVINGS

| | Conventional 54W System | GE T5HO 47W UltraStart® Watt-Miser® System |
|---|---|---|
| Lamp Lumens | 5,000 | 4,800 |
| System Lumens (4 lamp) | 20,000 | 19,200 |
| System Watts | 234W | 202W |
| Cathode Energy Cut Ballast | NO | YES - 94% efficiency |
| Lumens-per-Watt | 85LPW | 95LPW |

## LONG LIFE

| | Conventional 54W System | GE T5HO 47W UltraStart® Watt-Miser® System |
|---|---|---|
| Lamp Life (3hours/12hours) | 30K/36K | 30K/36K |
| System Warranty (lamp+ballast) | 3yr + 5yr | 4yr + 5yr* |
| UL Certified 55°C Ambient | NO | YES - 5yr warranty |
| Thermal Fold-back Protection | NO | YES - protects against overheating |

## HASSLE-FREE MAINTENANCE

| | Conventional 54W System | GE T5HO 47W UltraStart® Watt-Miser® System |
|---|---|---|
| Lamp Operation | Series-parallel | Parallel - one lamp fails, the others continue to operate |
| Starting Time | >1.1 Sec | <700ms - important for sensors |
| Striation Control | NO | YES - reduces striations |
| Independent Lamp End-of-Life | NO | YES - only one lamp shuts down at end of life |
| UL Type CC Anti-arcing | YES | YES - arcing protection |
| RoHS® Compliant | NO | YES - think of your future disposal needs today |

**$26 system energy savings per lamp vs. 54W system****

*See www.gelighting.com/warranty for details
**Based on $.11/kWh, 30,000 hrs burn, savings per one 54W T5 lamp

## GE has you covered with a 4 + 5 system limited warranty*

### Watt-Miser® Lamp 4-year warranty

- Minimum 15-minute cycle sensor limit

### UltraStart® Ballast 5-year warranty

- For ambient environments up to 130°F (55°C) when used in GE UltraCool™-certified fixtures
- UL approved for 55°C ambient environments

### Express warranty services for account holders

- Highest shipping priority for replacements
- Automatic claims tracking

*See www.gelighting.com/warranty for details