

UltraStart® Watt-Miser® and High Lumen T5 Systems

T5 Watt-Miser® High Output Lamps

P/C	Description	Watts	Lumens		Color Temp	CRI	Rated Life		Nominal Length (in.)	Case Qty
			Initial	Mean			3hrs/start	12hrs/start		
71627	F54T5/830/WM/ECO	51	5,000	4,600	3000	85	25,000	30,000	45.2	40
71628	F54T5/835/WM/ECO	51	5,000	4,600	3500	85	25,000	30,000	45.2	40
71629	F54T5/841/WM/ECO	51	5,000	4,600	4100	85	25,000	30,000	45.2	40
71630	F54T5/850/WM/ECO	51	4,790	4,410	5000	85	25,000	30,000	45.2	40
71631	F54T5/865/WM/ECO	51	4,750	4,370	6500	85	25,000	30,000	45.2	40

T5 Watt-Miser® High Efficiency

P/C	Case Description	Watts	Lumens		Color Temp	CRI	Rated Life		Nominal Length (in.)	Qty
			Initial	Mean			3hrs/start	12hrs/start		
71632	F14T5/830/WM/ECO	13	1,350	1,240	3000	85	25,000	30,000	21.6	40
71633	F14T5/835/WM/ECO	13	1,350	1,240	3500	85	25,000	30,000	21.6	40
71634	F14T5/841/WM/ECO	13	1,350	1,240	4100	85	25,000	30,000	21.6	40
71635	F14T5/850/WM/ECO	13	1,300	1,190	5000	85	25,000	30,000	21.6	40
71636	F14T5/865/WM/ECO	13	1,250	1,150	6500	85	25,000	30,000	21.6	40
71637	F21T5/830/WM/ECO	20	2,100	1,930	3000	85	25,000	30,000	33.4	40
71638	F21T5/835/WM/ECO	20	2,100	1,930	3500	85	25,000	30,000	33.4	40
71639	F21T5/841/WM/ECO	20	2,100	1,930	4100	85	25,000	30,000	33.4	40
71640	F21T5/850/WM/ECO	20	2,000	1,840	5000	85	25,000	30,000	33.4	40
71641	F21T5/865/WM/ECO	20	1,950	1,790	6500	85	25,000	30,000	33.4	40
71642	F28T5/830/WM/ECO	26	2,900	2,660	3000	85	25,000	30,000	45.2	40
71643	F28T5/835/WM/ECO	26	2,900	2,660	3500	85	25,000	30,000	45.2	40
71644	F28T5/841/WM/ECO	26	2,900	2,660	4100	85	25,000	30,000	45.2	40
71645	F28T5/850/WM/ECO	26	2,750	2,530	5000	85	25,000	30,000	45.2	40
71646	F28T5/865/WM/ECO	26	2,700	2,480	6500	85	25,000	30,000	45.2	40
71647	F35T5/830/WM/ECO	33	3,650	3,350	3000	85	25,000	30,000	57.1	40
71648	F35T5/835/WM/ECO	33	3,650	3,350	3500	85	25,000	30,000	57.1	40
71649	F35T5/841/WM/ECO	33	3,650	3,350	4100	85	25,000	30,000	57.1	40
71650	F35T5/850/WM/ECO	33	3,500	3,220	5000	85	25,000	30,000	57.1	40
71651	F35T5/865/WM/ECO	33	3,400	3,120	6500	85	25,000	30,000	57.1	40

T5 High Lumen

P/C	Description	Watts	Lumens		Color Temp	CRI	Rated Life		Nominal Length (in.)	Case Qty
			Initial	Mean			3hrs/start	12hrs/start		
71652	F28WT5/830HL/ECO	26	3,050	2,810	3000	85	20,000	24,000	45.2	40
71653	F28WT5/835HL/ECO	26	3,050	2,810	3500	85	20,000	24,000	45.2	40
71654	F28WT5/841HL/ECO	26	3,050	2,810	4100	85	20,000	24,000	45.2	40
71655	F28WT5/850HL/ECO	26	2,900	2,670	5000	85	20,000	24,000	45.2	40
71656	F28WT5/865HL/ECO	26	2,850	2,620	6500	85	20,000	24,000	45.2	40

GE UltraStart® Ballast

P/C	Description	# Lamps	Lamp Type	Voltage	Type	Output	Additional Information
99649	GE454MVPS90-E	4-1	F54T5HO	120 to 277	UltraStart	PRS	High Temp E Can
99650	GE454MVPS90-E-42	4-1	F54T5HO	120 to 277	UltraStart	PRS	High Temp E Can Pallet Pack
99651	GE254MVPS90-D	2 or 1	F54T5HO	120 to 277	UltraStart	PRS	High Temp E Can
99652	GE254MVPS90-D-42	2 or 1	F54T5HO	120 to 277	UltraStart	PRS	High Temp E Can Pallet Pack
99653	GE228MVPSH-A	2 or 1	F14-F35HE	120 to 277	UltraStart	PRS	High Light 1.15 BF A Can
99654	GE228MVPSH-A-T42	2 or 1	F14-F35HE	120 to 277	UltraStart	PRS	High Light 1.15 BF A Can Pallet
99655	GE228MVPS-A	2 or 1	F14-F35HE	120 to 277	UltraStart	PRS	Normal Light .95 BF A Can
99656	GE228MVPS-A-T42	2 or 1	F14-F35HE	120 to 277	UltraStart	PRS	Normal Light .95 BF A Can Pallet

For additional product and application information, please consult GE's Website: www.gelighting.com

Information provided is subject to change without notice. Please verify all details with GE. All values are design or typical values when measured under laboratory conditions, and GE makes no warranty or guarantee, express or implied, that such performance will be obtained under end-use conditions.

GE Consumer & Industrial Lighting



UltraStart® Watt-Miser® T5 Systems



imagination at work

High-Bay Solutions

Incredible Energy Savings

The GE UltraStart® Watt-Miser® T5 system offers the industry's **lowest** overall system wattage for high-bay applications – 216 watts vs. 234 watts. This equates to over **\$54.00** in energy savings per fixture. See below.

Huge Maintenance Savings

GE incorporates parallel lamp operation with the UltraStart® Watt-Miser® T5 System. When one lamp fails, the others remain lit. Studies show parallel operation reduces spot re-lamping by up to 50% and can extend group re-lamping by 15%.

"Ultra-Fast" Starting Time

Faster than typical programmed start systems, the GE UltraStart® Watt-Miser® T5 system is virtually "instant on" (.7 seconds start time). You'll experience no delays associated with the use of occupancy sensors and/or lighting controls



UltraStart® T5 54W Multi-Volt Ballast

- Parallel operation
- Adapts automatically to any voltage from 120-277
- Anti-striation control
- Bi-Level switching
- Environmentally conscious – RoHS compliant
- Arc-guard protection UL type CC rating
- Fast starting time: 700ms
- 90C Temperature rating 5 year/55C ambient, making more Hi Bay applications possible



Save up to **\$54.00** per Fixture High Output Watt-Miser® Lamp + UltraStart® Ballast

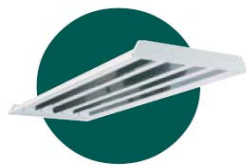


High Output Watt-Miser® Lamps

- Save \$36.00 energy per 4-lamp fixture vs. standard F54T5 lamp!
- 51W T5 High output lamp
- 5,000 Initial lumens (same as current 54W lamp)
- 98 Initial lumens/watt
- Ideal for spot and group relamping
- 25,000 hr rated life
- Environmentally conscious TCLP-compliant

Don't Leave Money On The Table By Not Choosing GE T5 Systems!

Standard 4 lamp 54W T5



Initial Lumens = 20,000
Watts = 234W
LPW = 85

Watt-Miser® lamp



Initial Lumens = 20,000
Watts = 222W
LPW = 90
Lamp to Lamp Savings = **\$36/fixture**

UltraStart® Watt-Miser®

NEW GE Energy Saving T5 System



Initial Lumens = 20,000
Watts = 216W
LPW = 93
Lamp and Ballast Savings = **\$54/fixture**

Assumptions: \$.10 kwh 30,000 hour life @ 12 hours start Savings per 4 lamp 54W T5 fixture

Commercial Troffer Solutions

UltraStart® T5 14-35W Multi-Volt Ballast

- Parallel operation
- Adapts automatically to any voltage from 120-277
- One ballast handles a variety of lamp sizes 14W to 35W
- Anti-striation control
- Bi-Level switching
- Environmentally conscious – RoHS compliant Arc-guard protection UL type CC rating
- Fast starting time: 700ms
- 90C Temperature rating 5 year/55C ambient, making more Hi Bay applications possible



High Efficiency Watt-Miser® Lamps

Save 5% energy per lamp vs. standard High Efficiency lamps!

- Save 5% on wattage by lamp type
- Same Light Output
- 25,000 hour rated life
- Environmentally conscious: TCLP compliant
- Compatible with existing T5 ballasts; maximum savings using GE UltraStart T5 ballasts
- All lamps offered in: 3000K/3500K/4100K/5000K/6500K

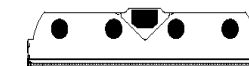


F28WT5 High Lumen

5% higher lumen output vs. standard F28WT5 lamps

- Reduce maintenance costs: High lumen lamps output allow shift from 3-lamp T12/T8 systems to 2-lamp T5 systems
- Ideal solution for indirect lighting applications
- 3050 initial lumens vs. 2900 lumens for standard T5
- 20,000 hour rated life
- Environmentally conscious: TCLP compliant

4 or 3xT12 System



3xT8 Std IS System



UltraStart® WM & HL 2L T5 Systems



Lamp Type	F34T12	F32T8	F28T5HL	F28T5HL	F28T5WM	F28T5WM
Ballast Type	2 EM	Std IS	HE PS	HE PS	HE PS	HE PS
Lamp Life*	20000	24000	24000	24000	30000	30000
Number of Lamps	3	3	2	2	2	2
Initial Lumens	2750	2800	3050	3050	2900	2900
Ballast Factor	0.90	0.88	1.15	0.95	1.15	0.95
Light Source Lumen (Mean)	6,683	7,022	6,664	5,505	6,337	5,235
Optical Efficiency (Parabolic)	73.0%	73.0%	86.0%	86.0%	86.0%	86.0%
Fixture Lumen Output (Mean)	4,878	5,126	5,731	4,735	5,449	4,502
Light Loss/Gain		5%	17%	-8%	6%	-12%
System Wattage	114	84	70	57	67	55
Light Source LPW (Mean)	59	84	95	97	95	95
Fixture LPW (Mean)	43	61	82	83	81	82
% Energy Savings		26%	39%	50%	41%	52%

* @ 12 hours per start