

T8 25W EXTRA LONG LIFE LAMPS

Philips Energy Advantage T8 25W Extra Long Life lamps are an industry first. These lamps offer high energy savings, are environmentally responsible and have extra long life. This product may qualify for LEED EA and MR points. Please consult your LEED AP for details.

Outstanding energy savings

- Save 7 watts per lamp instantly when compared to a 32W T8 lamp
- Save \$28 in energy costs over the rated average life of the lamp

Extra long life

- Up to 67% long life than an industry standard T8 lamp
- Warranty period: 48 months

Better for the environment

- Only 1.7mg of mercury with ALTO II Technology and just 18 Picograms per lumen hour, these lamps allow for more design freedom
- Help exceed all LEED requirements

PHILLIPS ENERGY ADVANTAGE

T8 25 watt Extra Long Life Lamps - F32T8/ADV850/XLL/ALTO

Packed: 25

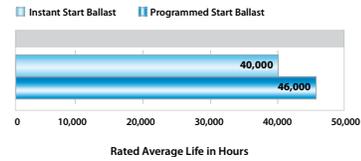
Comp No.: HG815.....\$119.95 /cs.

*PG&E Rebate (\$1.50/bulb).....(\$37.50/cs.)

Cost After PG&E Rebate.....\$82.45/cs.

Rated Average Life

Philips Energy Advantage T8 25W XLL Lamps



*Please check details and rebate availability at: www.pge.com



T5HO 49W LONG LIFE LAMPS

Philips Energy Advantage T5HO 49W lamps are environmentally responsible, ultra-slim and have extraordinary light output with increased energy savings. This product may qualify for LEED EA and MR points. Please consult your LEED AP for details.

Reduced maintenance & disposal costs

- Long life (35,000 hrs RAL*) for an extended relamping cycle
- Warranty period: 36 months

Outstanding Energy Savings

- Save 5 watts when switching from a standard T5 HO 54W lamp, with no sacrifice to performance

- Save \$17.50 instantly in energy costs over the rated average life of the lamp

Sustainable lighting solution

- Only 1.4 mg of mercury, the lowest in the industry and just 12 Picograms per lumen hour, these lamps allow for more design freedom
- Help exceed all LEED requirements

PHILLIPS ENERGY ADVANTAGE

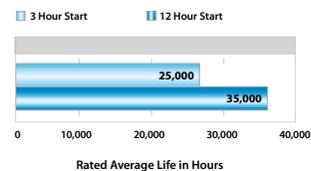
T5HO 49 watt Lamps - F54T5/830/HO/EA/ALTO 49W

Packed: 40

Comp No.: WH476.....\$269.95 /cs.

Rated Average Life

Philips Energy Advantage T5 HO 49W Lamps



4 LAMP - T5 HIGH OUTPUT HIGH BAY FLUORESCENT

High bay lights offer reduction of energy cost by up to 30% as compared to High Pressure Sodium or Metal Halide bulbs. Hibay fixtures do not need warm-up period and start instantaneously. Create less glare than traditional HID lighting fixtures. PG&E offers up to a \$100 rebate per fixture. (Please check with your PG&E representative).

Packed: 1 Each
Comp No.: HFGHBAYT5.....\$199.95 /ea.



Optanium ballasts — The sustainable choice for T8 environments



T8 17-40W OPTANIUM BALLASTS

Philips Advance Optanium high-efficiency electronic ballasts represent a breakthrough in fluorescent T8 system components. Engineered to optimize lighting performance and maximize energy savings, these innovative ballasts bring sustainable performance to recessed, direct/indirect, or strip lighting applications in virtually any business setting.

As these different lighting applications can have varying usage patterns, Optanium ballasts are offered with two starting options. For applications involving long, continuous burn hours, such as hallways, retail showrooms, manufacturing areas, and security lighting, Optanium instant start models deliver superior performance.

In situations with frequent on/off switching, such as restrooms, supply areas, conference rooms, or anytime occupancy sensors or motion detectors are incorporated, Optanium programmed start models optimize lamp life while providing the same efficiency as the instant start models.

This product may help qualify for LEED EA points. Please consult your LEED AP for details.

Maximizes efficiency for the latest lamp technologies

Optanium's incorporation of constant-current design maximizes energy savings by optimizing the regulation and maintenance of the input watts consumed by the lamp-ballast system. And, as new lamp technologies are introduced (most likely requiring fewer input watts), Optanium's use of constant-current design also provides for future savings, enabling users to immediately realize the potential of new energy-saving lamps without reinvesting in new ballast technology

Standard T8 vs. Optanium T8

Optanium ballasts also save energy costs over standard T8 electronic ballasts, especially with lower-wattage energy-saving lamps.

System	System watts	Annual cost to operate ¹	Annual savings per fixture
4-lamp fixture with standard electronic ballast and F32T8 lamps	112	\$44.80	
4-lamp fixture with Optanium low watt electronic ballast and 25W T8 lamps	76	\$30.40	\$14.40

This replacement system also represents an estimated 32% reduction in energy consumption.

²Comparison based on a fixture with (4) F34T12 lamps and (1) magnetic ballast vs. (1) high-efficiency low watt electronic T8 ballast (IOPA-4P32-LW-SC) w/ (4) 25W energy-saving lamps. Savings based on \$0.10 per kWh, 4,000 hours/year.

³Comparison based on a fixture with (4) F32T8 lamps and (1) standard electronic ballast vs. (1) high-efficiency low watt electronic T8 ballast (IOPA-4P32-LW-SC) w/ (4) 25W energy-saving lamps. Savings based on \$0.10 per kWh, 4,000 hours/year.

NO. OF LAMPS	INPUT VOLTS	CATALOG NUMBER	PACK	PRICE \$
INSTANT START (use with long continuous lighting)				
2	120-277	IOPA-2P32-LW-SC	1 Each	22.75
3	120-277	IOPA-3P32-LW-SC	1 Each	25.95
4	120-277	IOPA-4P32-LW-SC	1 Each	26.95
PROGRAMMED START (use with frequent on/off switching)				
2	120-277	IOP-2S32-LW-SC	1 Each	24.95
3	120-277	IOP-3S32-LW-SC	1 Each	27.95
4	120-277	IOP-4S32-LW-SC	1 Each	29.95

**ECO-BULB PLUS COMPACT FLUORESCENTS – Energy Star Approved**

Replace inefficient incandescent light bulbs with these energy star approved compact fluorescent lamps. Super efficient and “instant on” feature make these lamps ideal replacements for standard incandescent bulbs in most standard fixtures. This product may help qualify for LEED EA points.



INCANDESCENT REPLACEMENT	FLUORESCENT WATTS	MAX. LENGTH (INCHES)	LUMENS	COLOR TEMP.	ACTUAL LIFE HRS.	STOCK NUMBER	PACKED	CASE PRICE
ECO-bulb Plus Mini Twist								
40 W (ESP)	9W Mini Twist	4.4"	600	2,700°K	8,000	ESL9TM/ECO	12	29.95
60 W (ESP)	13W Mini Twist	4.3"	900	2,700°K	10,000	ESL13T/ECO	12	29.95
75 W (ESP)	18W Mini Twist	4.6"	1100	2,700°K	10,000	ESL18T/ECO	12	37.95
100 W (ESP)	23W Mini Twist	4.8"	1600	2,700°K	10,000	ESL23TM/ECO	12	39.95
ECO-bulb Plus A-Shape Lamps								
40 W (ESP)	9W A-Shape	4.5"	520	2,700°K	8,000	ESL9A/ECO	12	56.95
60 W (ESP)	15W A-Shape	4.9"	800	2,700°K	8,000	ESL16AT/ECO	12	56.95
ECO-bulb Plus G25 Globes								
40 W (ESP)	11W G25 Globe	4.25"	560	2,700°K	8,000	ESL11GTMM/ECO	12	56.95
60 W (ESP)	12W G25 Globe	4.25"	640	2,700°K	8,000	ESL12GT/ECO	12	59.95
ECO-bulb Plus Indoor Reflectors								
45 W (ESP)	11W Indoor R20	4.25"	430	2,700°K	8,000	ESL11R20TM/ECO	12	59.95
65 W (ESP)	15W Indoor R30	5.1"	750	2,700°K	10,000	ESL15BR30/ECO	12	64.95
75 W (ESP)	18W Indoor R40	5.1"	950	2,700°K	10,000	ESL18BR30/ECO	12	77.95
ECO-bulb Plus Outdoor Reflectors								
75 W (ESP)	18W Outdoor PAR38 <small>Approved for High Heat Application</small>	5.8"	950	2,700°K	8,000	ESL18PAR38H/ECO	12	79.95
ECO-bulb Plus Chandelier								
40 W (ESP)	7W Chandelier	4.8"	280	2,700°K	8,000	BPESL7C/ECO	12	49.95

(ESP) = Energy Star Approved

COLD CATHODE 5 WATTS LAMPS

A cold cathode light is a tubular light that works by passing an electrical current through a gas or vapor, much like neon lighting. Cold cathode lights do not get hot, are up to five times brighter than neon lighting and have one of the longest lives of any lighting fixture. Unlike incandescent or fluorescent bulbs, the longevity of one of these lights is not shortened by the repeated action of turning it off and on. This product may help qualify for LEED AP points.

DESCRIPTION	COMPUTER NUMBER	INCANDESCENT EQUIVALENT LUMENS	CCT (KELVIN)	CRI	MOL (INCHES)	DIAMETER (INCHES)	LIFE (HOURS)	VOLTAGE	BASE TYPE	PACKED	CASE PRICE
Torpedo (Frost)	8T05F	25-30	200	2700	80	4.4	1.4"	25000	120 E26(Med)	12	149.95
R20 Reflector (Frost)	E.6601	25-30	200	2700	80	4.5	1.4"	25000	120 Candelabra	12	149.95
G25 Globe (White)	E.9435	25-30	200	2700	80	4.0	2.5"	25000	120 E26(Med)	12	159.95
G25 Globe (White)	8G2505WH	25-30	200	2700	80	4.6	3.1"	25000	120 E26(Med)	12	159.95