

Lighting Incentives



Hawai'i Energy

Lighting retrofits offer the biggest value of all energy efficiency projects – they're relatively simple, significantly reduce electricity costs and typically pay back savings in less than 2 years. You may also enjoy added benefits like clearer vision, decreased cooling loads and increased safety. Our financial incentives make it easy to upgrade your outdated lighting! To learn more, call us at **839-8880** (Oahu) or **1-877-231-8222** (toll-free neighbor islands) or visit HawaiiEnergy.com/lighting.

NOTE: Incentives apply to retrofit projects only. Please contact us for new construction or major renovation projects. All LED lamps and fixtures must be listed by ENERGY STAR®, Design Lights Consortium (DLC) or LED Lighting Facts®.

LED

LED: Linear		
<u>Lamp Length</u>	<u>Type</u>	<u>Incentive (per lamp)</u>
2 ft.	Type A	\$4.00
	Type B	\$4.00
	Type C	\$6.00
4 ft.	Type A	\$5.00
	Type B	\$5.00
	Type C	\$10.00

Lamp types designated by Underwriters Laboratories (UL) under certification UL 1598: **Type A** = Plug & Play **Type B** = Internal driver / Line voltage **Type C** = External Driver

LED: U-Bend		
<u>Lamp Technology</u>	<u>Type</u>	<u>Incentive (per lamp)</u>
2 ft. LED Retrofit (Replaces 4 ft. U-bend, reflector required)	Type A	\$10.00
	Type B	\$10.00
	Type C	\$15.00
4 ft. U-bend LED (Processed as 4 ft. Linear)	Type A	\$5.00
	Type B	\$5.00
	Type C	\$10.00

Lamp types designated by Underwriters Laboratories (UL) under certification UL 1598: **Type A** = Plug & Play **Type B** = Internal driver / Line voltage **Type C** = External Driver

LED: Troffer (fixture replacement or retrofit kit)	
<u>Fixture Size</u>	<u>Incentive (per fixture)</u>
2 ft. x 2 ft.	\$20.00
1 or 2 ft. x 4 ft. (2 lamp replacement fixture)	\$20.00
2 ft. x 4 ft. (3 or 4 lamp replacement fixture)	\$50.00

LED: Directionals & Omni-Directionals	<i>LED down can kit retrofit must use custom worksheet</i>
<u>Lamp Type</u>	<u>Incentive (per lamp)</u>
A-series (ex: A19) / globe / decorative with screw/GU base	\$2.00
Replacement for plug-in CFL, 2 or 4-pin base (ex: PL)	\$5.00
Directional (ex: MR16, PAR/BR/R 20/30/38/40) - screw/pin base	\$6.00

LED: Corn Cob (HID replacement)		
<u>LED Lamp Wattage</u>	<u>Incentive (per lamp)</u>	
Less than 29 W	\$25.00	<ul style="list-style-type: none"> Replacement lamps must be Type B or Type C Ballast must be removed Existing wattages must use nominal measurement value. Qualifying LED lamps greater than 125W may receive an incentive through the customized lighting program.
29W to 49W	\$30.00	
50W to 79W	\$40.00	
80W to 125W	\$50.00	

LED: Exit Sign <i>Must replace entire fixture</i>	
New LED Fixture	\$20.00 per sign

LED: Refrigerated Case Lighting <i>For vertical reach-in refrigerated case lamps and kits</i>	
<u>Lamp Length</u>	<u>Incentive (per lamp)</u>
4 ft. retrofit kit	\$30.00
5 ft. or 6 ft. retrofit kits	\$75.00

FLUORESCENT

Fluorescent: T12 to Standard T8 with electronic ballast		
<u>Lamp Length</u>	<u>Existing Lamp</u>	<u>Incentive (per lamp)</u>
2 ft.	T12	\$3.00
3 ft.	T12	\$4.00

<p>Lamp requirements:</p> <ul style="list-style-type: none"> • Both T8 lamps and electronic ballasts must be installed. • 265 mA lamps in lengths of 2 and 3 ft. (whether straight or U- bend) • HO (high output) 400 mA lamps will also be accepted. • Lamp efficacy must be \geq 82 lumens per watt. • 20,000-hour lamp life (3 hours per start) lamps. • Minimum Color Rendering Index (CRI) of 75. 	<p>Ballast requirements:</p> <ul style="list-style-type: none"> • Operate at 20 kHz or greater. • Rated a Class P thermal protection. • Rated a Class A sound level. • Have a minimum power factor of 90%. • Have a maximum of 1.7 crest factor. • Have a total harmonic distortion (THD) not to exceed 20% (equal to magnetic ballasts). • Comply with FCC Rules and Regulations, Part 18 for both EMI and RFI. • Have a reduced lamp flicker maximum of 10%.
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Fluorescent: T12 or T8 to Low-Wattage (LW) T8 (with high performance electronic ballast)		
<u>Lamp Length</u>	<u>Existing Lamp</u>	<u>Incentive Per Lamp</u>
4 ft.	T12	\$2.00
	32W T8	\$2.00
<p>LW T8 Fluorescent requirements:</p> <ul style="list-style-type: none"> • Must be 25-watt or 28-watt and qualified under CEE. • Initial lamp efficacy must be \geq 93 lumens per watt. 	<p>T8 High Performance Electronic Ballast requirements: Ballast must be qualified under CEE Specifications. Visit www.cee1.org for list of qualifying lamps and ballasts.</p>	

Fluorescent: Delamping with Reflectors	
<u>Length of Lamps removed</u>	<u>Incentive (per lamp)</u>
2 ft.	\$5.00
3 ft.	\$7.50
4 ft.	\$10.00
8 ft.	\$15.00

*Reflectors must have a minimum reflective efficiency of 90%.
Process **MUST** include removal of all disconnected ballasts, lamps, and lamp holders (tombstones) from fixture.*

Fluorescent: Delamping without Reflectors	
<u>Length of Lamps removed</u>	<u>Incentive (per lamp)</u>
2 ft. lamp	\$2.50
3 ft. lamp	\$3.75
4 ft. lamp	\$5.00
8 ft. lamp	\$7.50

*Process **MUST** include removal of all disconnected ballasts, lamps, and lamp holders (tombstones) from fixture.*

LIGHTING CONTROLS

Occupancy Sensor	
All Types (e.g. infrared, ultrasonic)	\$20.00 per sensor