

LED Eligible Products Guide

2011 Commercial 7/1/2011 – 12/31/2011



Efficiency Vermont rebates are available for high-performing LED products qualified through ENERGY STAR® or the DesignLights™ Consortium (DLC). Additionally, many more LED products are now eligible for rebates – those meeting the Efficiency Vermont performance criteria and listed with Lighting Facts®. **ENERGY STAR and DLC qualified products are eligible for a 25% rebate premium** vs. products qualified through Lighting Facts.

PREMIUM Tier LED Products	STANDARD Tier LED Products
<ul style="list-style-type: none"> ENERGY STAR® qualified, or DesignLights™ Consortium (DLC) approved <p>Premium tier LED products are eligible for a 25% Premium over standard rebates, as shown below.</p>	<ul style="list-style-type: none"> Lighting Facts® registered products that meet the criteria shown in the Photometric Performance Requirements Table on page 4. <p>Standard tier LED products are eligible for the standard rebates shown below.</p>

The following table displays the LED product categories currently supported by Efficiency Vermont. Links are provided to the relevant qualified products lists as well as the Efficiency Vermont rebate form. A list of frequently asked questions is provided on page 3.

STEP 1: Identify the Product Category		STEP 2: Determine the Applicable Rebate → Select the Link to View Eligible Products ←		STEP 3: Complete Your Project and Submit a Rebate Request
		PREMIUM	STANDARD*	
INTERIOR or EXTERIOR	REPLACEMENT BULBS	Directional < 15 watts: \$30 Directional ≥ 15 watts: \$40 Standard / Decorative < 10 watts: \$20 Standard / Decorative ≥ 10 watts: \$30 ENERGY STAR	\$24 \$32 \$16 \$24 Lighting Facts	Rebate Form Section 5.1
	DOWNLIGHT Fixtures	\$50 ENERGY STAR	\$40 Lighting Facts	Rebate Form Section 5.2
	VAPOR PROOF Fixtures	N/A	\$32 Lighting Facts	Custom – Contact Efficiency Vermont
INTERIOR	TRACK Lighting Fixtures	\$75 per head DesignLights Consortium	\$60 per head Lighting Facts	Rebate Form Section 5.3
	WALL-WASH Light Fixtures	\$30 ENERGY STAR	\$24 Lighting Facts	Rebate Form Section 5.4
	DESK/TASK Light Fixtures	\$25 ENERGY STAR	\$20 Lighting Facts	Rebate Form Section 5.5
	UNDERCABINET Shelf-Mounted Task Light Fixtures	\$15 per foot ENERGY STAR	\$12 per foot Lighting Facts	Rebate Form Section 5.6

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		PREMIUM	STANDARD*	
	REFRIGERATED CASE Light Fixtures (horizontal or vertical)	\$25 per foot DesignLights Consortium	\$20 per foot Lighting Facts	Rebate Form Section 5.12
	DISPLAY CASE Light Fixtures	\$15 per foot DesignLights Consortium	\$12 per foot Lighting Facts	Custom – Contact Efficiency Vermont
	2x2 RECESSED Panel Fixtures	\$75 DesignLights Consortium	\$60 Lighting Facts	Custom – Contact Efficiency Vermont
	2x4 RECESSED Panel Fixtures	N/A	\$60 Lighting Facts	Custom – Contact Efficiency Vermont
	1x4 RECESSED Panel Fixtures	N/A	\$60 Lighting Facts	Custom – Contact Efficiency Vermont
	HIGH- & LOW-BAY Fixtures	\$150 DesignLights Consortium	\$120 Lighting Facts	Custom – Contact Efficiency Vermont
EXTERIOR	Outdoor PARKING or ROADWAY Fixtures	< 30 watts: \$100 30 - 75 watts: \$200 > 75 watts: \$300 DesignLights Consortium	\$80 \$160 \$240 Lighting Facts	Rebate Form Section 5.7
	Outdoor DECORATIVE PARKING or ROADWAY Fixtures			Rebate Form Section 5.8
	PARKING GARAGE or CANOPY Fixtures			Rebate Form Section 5.9
	Outdoor WALL-MOUNTED AREA Fixtures (Wall Packs)	< 30 watts: \$100 ≥ 30 watts: \$200 DesignLights Consortium	\$80 \$160 Lighting Facts	Rebate Form Section 5.10
	BOLLARD Fixtures	< 30 watts: \$100 ≥ 30 watts: \$200 ENERGY STAR	\$80 \$160 Lighting Facts	Rebate Form Section 5.11
	Outdoor RETROFIT KITS	< 30 watts: \$100 30 - 75 watts: \$200 > 75 watts: \$300 DesignLights Consortium	\$80 \$160 \$240 Lighting Facts	Custom – Contact Efficiency Vermont
	Outdoor FLOOD Fixtures	N/A	\$60 Lighting Facts	Custom – Contact Efficiency Vermont

* **Standard Tier** products must be listed on the [Efficiency Vermont Program](#) page on Lighting Facts. LED products that are registered with Lighting Facts (<http://www.lightingfacts.com>) and that meet the criteria shown in the “LED Photometric Performance Requirements Table” on page 4 will be automatically included.

1. What are ENERGY STAR, DesignLights Consortium (DLC), and Lighting Facts?

- [ENERGY STAR](#) and [DesignLights Consortium](#) are organizations that provide independent qualification of LED product performance and reliability. Each group qualifies different categories of LED products without overlap. Energy efficiency programs nation-wide rely on these qualifications to determine rebate eligibility. [Lighting Facts](#), meanwhile, is a Department of Energy program that allows manufacturers to voluntarily submit (at no cost) their LED products for inclusion in an on-line database. In order to provide support for a broader selection of LED products, Efficiency Vermont utilizes the Lighting Facts database to qualify products for standard tier rebates.

2. Where can I find a list of eligible products?

- Links to the relevant eligible product lists – ENERGY STAR, DLC, and Lighting Facts – are provided under “Step 2” in the table shown above.

3. How are new products listed with ENERGY STAR / DLC / Lighting Facts?

- Manufacturers are responsible for submitting products to the relevant qualification organization. ENERGY STAR, DLC, and Lighting Facts each have slightly different submission requirements. At a minimum, a photometric (LM-79) test report will be needed from an accredited testing lab. ENERGY STAR and DLC additionally require reliability testing, product literature, and warranty information. For complete details on qualification requirements and submission instructions, visit:
 - ENERGY STAR: http://www.energystar.gov/index.cfm?c=manuf_res.pt_manuf
 - DesignLights Consortium: <http://designlights.org/solidstate.manufacturer.application.php>
 - Lighting Facts: <http://www.lightingfacts.com/default.aspx?cp=content/manufacturers>

4. Why does Efficiency Vermont offer two tiers of rebates?

- Products qualified by ENERGY STAR and DLC have been screened against a rigorous set of performance and reliability criteria in addition to the photometric requirements shown in the table on page 4. ENERGY STAR and DLC qualifications offer the highest certainty of a product’s performance and reliability. As such, Efficiency Vermont offers a 25% rebate premium for these qualified products.

5. Does Efficiency Vermont provide rebates for other LED product types?

- LED products that do not fit into any of the categories defined above *may* be eligible for custom Efficiency Vermont rebates. Please contact Efficiency Vermont customer service at 888-921-5990. LED linear T8 replacement lamps, at this time, are not being considered for rebates.

6. Certain LED product categories provide varying rebate amounts depending on wattage. Where do I find the product wattage in order to determine the applicable rebate?

- The wattage as verified and reported by ENERGY STAR, DLC, or Lighting Facts is used to determine the appropriate rebate tier. These wattage values are displayed on the relevant eligible products lists. Wattage values reported on product literature, packaging, or web sites are not acceptable for determining an applicable rebate level.

7. What are the performance requirements for products qualified through the Efficiency Vermont Lighting Facts program? How are new products listed?

- The requirements for efficacy, lumens, color rendering (CRI), and color temperature (CCT) are displayed in the following “LED Photometric Performance Requirements Table.” All products listed with Lighting Facts will be screened against these criteria. Passing products will be automatically listed on the [Efficiency Vermont Program](#) page on Lighting Facts and will qualify for standard tier rebates.

LED Photometric Performance Requirements Table

Category	Specification	Minimum Efficacy	Lumens ⁺	CRI	CCT
Screw- & Pin-Based REPLACEMENT BULBS	ENERGY STAR Integral Lamps v1.4	Directional ≤ 20/8": 40 lm/W > 20/8": 45 lm/W	N/A	≥ 80	2,700K – 4,000K
		Standard (A) < 10W: 50 lm/W ≥ 10W: 55 lm/W			
		Decorative 40 lm/W			
Recessed & Surface/Pendant-Mounted DOWNLIGHT Fixtures	ENERGY STAR SSL Luminaires v1.1	35 lm/W	≥ 575	≥ 75	2,700K – 5,000K
VAPOR PROOF Fixtures	EVT Custom	45 lm/W	≥ 500	≥ 50	≤ 6,500K
TRACK Lighting Fixtures	DesignLights v1.5	30 lm/W	≥ 250	≥ 75	2,700K – 5,000K
WALL-WASH Light Fixtures	ENERGY STAR SSL Luminaires v1.1	40 lm/W	≥ 575	≥ 75	2,700K – 5,000K
Portable DESK/TASK Light Fixtures	ENERGY STAR SSL Luminaires v1.1	29 lm/W	≥ 200	≥ 75	2,700K – 5,000K
UNDERCABINET Shelf- Mounted Task Light Fixtures	ENERGY STAR Luminaires v1.0	29 lm/W	≥ 125	≥ 75	2,700K – 5,000K
REFRIGERATED CASE Light Fixtures	DesignLights v1.5	35 lm/W	≥ 200	≥ 70	2,700K – 5,000K
DISPLAY CASE Light Fixtures	DesignLights v1.5	35 lm/W	≥ 50	≥ 75	2,700K – 5,000K
2x2 RECESSED Panel Fixtures	DesignLights v1.5	55 lm/W	≥ 3,000	≥ 80	2,700K – 5,000K
2x4 RECESSED Panel Fixtures	EVT Custom	75 lm/W	≥ 4,000	≥ 80	2,700K – 5,000K
1x4 RECESSED Panel Fixtures	EVT Custom	55 lm/W	≥ 3,000	≥ 80	2,700K – 5,000K
HIGH- & LOW-BAY Fixtures	DesignLights v1.5	60 lm/W	≥ 10,000	≥ 70	≤ 6,500K
Outdoor PARKING or ROADWAY Fixtures	DesignLights v1.5	50 lm/W	≥ 1,000	≥ 50	≤ 6,500K
Outdoor DECORATIVE PARKING or ROADWAY Fixtures	DesignLights v1.5	40 lm/W	≥ 1,000	≥ 50	≤ 6,500K
PARKING GARAGE or CANOPY Fixtures	DesignLights v1.5	56 lm/W	≥ 2000	≥ 50	≤ 6,500K
Outdoor WALL-MOUNTED AREA Fixtures (Wall Packs)	DesignLights v1.5	40 lm/W	≥ 300	≥ 50	≤ 6,500K
BOLLARD Fixtures	ENERGY STAR SSL Luminaires v1.1	35 lm/W	N/A	N/A	≤ 6,500K
Outdoor RETROFIT KITS	DesignLights v1.5	50 lm/W	≥ 1,000	≥ 50	≤ 6,500K
Outdoor FLOOD Fixtures	EVT Custom	45 lm/W	≥ 500	≥ 50	≤ 6,500K

⁺ **Manufacturers:** a 5% tolerance is permitted for minimum lumens due to measurement variations.