

# Smart choice! Qualified lighting products.

Whether it's lamps or luminaires, make sure your lighting products are qualified by ENERGY STAR® or DesignLights Consortium (DLC).

## ENERGY STAR

The ENERGY STAR Lamps Specification V1.1 scope includes only the lamp types intended to replace incandescent lamps. This includes omnidirectional (A-type), decorative (B-type), and directional (BR-, MR- and PAR-types). The ENERGY STAR minimum lamp efficacy (lumens per watt) performance requirements depending on rated power input are shown in the table to the right.

Lamp Type	Lamp Rated Wattage (watts)	Minimum Lamp Efficacy (Initial lm/W)
Omnidirectional	<15	55
	≥15	65
Directional	<20	40
	≥20	50
Decorative	15	45
	≥15 W <25	50
	≥25	60

## DesignLights Consortium (DLC)

All DLC-qualified luminaires must have a power factor of ≥0.9 and a minimum rated life of 50,000 hours. Required lumen maintenance for 50,000 hour rated life products shall be 79.03% at 36,000 hours and 70.00% at 50,000 hours. The warranty must cover the complete luminaire, or retrofit kit/replacement lamp when applicable, for a period of at least five years.

The DLC qualifies commercial LED luminaires, retrofit kits, linear replacement lamps and mogul (E39) screw-base replacement lamps. DLC has a two-tiered qualification, DLC Standard and DLC Premium, for some product categories. The DLC performance requirements for a few products are summarized below:

Category	Application	Min. Light Output (lm)	Minimum Efficacy (lm/W)		CRI	CCT (°K)
			DLC Standard	DLC Premium		
Outdoor	High Output	≥10,000	75	110	≥65	≤5700
Indoor	Troffer	≥1,500	85	110	≥80	≤5000
	High-Bay	≥5,000	80	110	≥70	≤5700
Linear	Four-foot	2 lamps: 3,000	85	N/A	≥80	≤5000
		4 lamps: 4,000				
HID Screw-in	Outdoor	≥10,000	75	N/A	≥65	≤5700
	High-Bay	≥5,000	80	N/A	≥70	≤5700

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