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ENERGY STAR®, a U.S. Environmental Protection Agency program, helps us all save money and protect our environment through energy efficient products and practices. For more information, visit www.energystar.gov.

ENERGY STAR® Lighting: The Certification Process – Steps and Timing

Apply to be an ENERGY STAR Partner

EPA requires brand owners/licensees that sell products intended for sale in the US and/or Canadian markets and are listed on the ENERGY STAR website to enter into a manufacturing partner agreement with U.S. EPA. For more information go to: www.energystar.gov/join

Select an EPA- recognized certification body (CB)

Will guide you through the testing and certification process.
www.energystar.gov/lightinglabs

Brand Owners use this path

The private labeling process handled by your CB that uses existing test reports. It is generally faster and more cost effective when using the same certification body as your original equipment manufacturer (OEM).

Submit your products for testing

Submit your product(s) to an EPA-recognized testing laboratory listed at www.energystar.gov/lightinglabs.

Testing is based on technology, product type and rated lifetime. Additional testing timelines are included on the next page.

Interim or conditional certification can be granted with partial testing (e.g. with component level data for fixtures or at 40% of the rated lifetime for fluorescent products). Estimated testing times are listed on the back of this page.

CB Decision

Once you receive written notification from your CB that your products are certified, you may begin using the ENERGY STAR certification mark on the certified product(s) packaging and marketing materials.

CB review

Your CB will review your submission for completeness and errors. This process can take between 24 hours to two weeks. Timing may vary based on completeness of paperwork and CB workload.

Submit all materials to your CB

This includes completed test reports and packaging proofs. Ask your CB for a checklist of everything you will need.

Product Listing

Your CB will send certified product information to EPA for upload to qualified products lists (QPLs) which can be found at www.energystar.gov/productfinder. Lists are updated **daily**



Below are some general guidelines for factoring in lifetime testing requirements for product certification. This is the most time consuming portion of the certification process. Work with your certification body to determine your exact testing needs and expected timelines.

You will need to be an ENERGY STAR partner prior to certifying products. Allow up to two weeks for this process once you have completed your application and sent it to join@energystar.gov.

Approximate Lifetime Testing for ENERGY STAR CFL & LED Lamps

Lifetime Rating (hours)	CFL Lamps		LED Lamps	
	Lifetime Testing Duration ¹ for Initial Certification (months)	Full Lifetime Testing Duration ¹ for Certification (months)	Lifetime Testing Duration ¹ for Initial Certification (months)	Full Lifetime Testing Duration ¹ for Certification (months)
10,000	6.2	15.4		
15,000	9.3	23.1	4.2	8.3
25,000			4.2	8.3
30,000			8.3	10.5
35,000			8.3	12.2
40,000			8.3	13.9
45,000			8.3	15.7
50,000			8.3	17.4

Approximate Lifetime Testing for ENERGY STAR Luminaires

Lifetime Rating (hours)	Fluorescent Luminaires		SSL Luminaires	
	Lifetime Testing Duration ¹ for Initial Certification (months)	Full Lifetime Testing Duration ¹ for Certification (months)	Full Lifetime Testing Duration ² for Certification using Option 1 (months)	Full Lifetime Testing Duration ² for Certification using Option 2 (months)
10,000	6.2	15.4		
15,000	9.3	23.1		
25,000	15.4	38.6	8.3	8.3
35,000	21.6	54.0	8.3	8.3
50,000	30.9	77.2	11.5	11.5

- 1) Approximate lifetime testing is an estimate of the on/off cycle time for life and lumen maintenance testing only.
- 2) The Luminaires specification offers two lumen maintenance options for SSL luminaires. Option one requires a TM21 lumen maintenance projection using data from a minimum of 6,000 hours of LM-80 testing at the component level. Option two requires a TM-28 lumen maintenance projection using data from product-level LM-84 testing where test duration varies based on sample size; durations listed assume ≥ 10 samples.

Specific information regarding on any of the lighting specifications, can be found at www.energystar.gov/specifications