



Energy Star Luminaires V2.0 Report

Energy Star for Luminaires v2.0 is effective from June 1 2016. This standard contains a number of requirements for Energy Star certification, including efficacy, lumen output and light distribution.

This report is based on data contained in an IES file and is not a guarantee of Energy Star compliance.
<https://www.energystar.gov/sites/default/files/Luminaires%20V2%200%20Final.pdf>
https://www.energystar.gov/products/spec/luminaires_specification_version_2_0.pdf

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Section 9: Photometric Performance Requirements

Section 9.1: Luminous Efficacy and Output: NON-DIRECTIONAL Luminaires

Surface-mounted retrofit for diffused wall sconces

- Greater than 250 lumens
- Greater than 80% from 0°-90°

0° - 180°	100.11 ✘	100%
0° - 90°	85.44	85.35% ✔

Surface mounted retrofits for diffused ceiling mounted lights

- Greater than 800 lumens
- Greater than 80% from 0°-90°

0° - 180°	100.11 ✘	100%
0° - 90°	85.44	85.35% ✔

Section 9.2: Luminous Efficacy, Output and Zonal Lumen Density: DIRECTIONAL Luminaires

Cove or undercabinet mount

- Greater than 125 lumens per foot
- Greater than 60% from 0°-60°

0° - 180°	100.11 ✘	100%
0° - 60°	54.09	54.03% ✘

Downlights: less than 4.5" aperture

- Greater than 345 lumens
- Greater than 75% from 0°-60°

0° - 180°	100.11 ✘	100%
0° - 60°	54.09	54.03% ✘

Downlights: greater than 4.5" aperture

- Greater than 575 lumens
- Greater than 75% from 0°-60°

0° - 180°	100.11 ✘	100%
0° - 60°	54.09	54.03% ✘

Accent lights

- Greater than 200 lumens per head
- Greater than 80% from 0°-60°

0° - 180°	100.11 ✘	100%
0° - 60°	54.09	54.03% ✘

Portable Desk and Task

- Greater than 200 lumens
- Greater than 60% from 0°-75°
- Less than 0.5% above 90°

0° - 180°	100.11 ✘	100%
0° - 85°	81.26	81.17% ✘
90° - 180°	14.67	14.65% ✘

Portable Desk and Task

- Greater than 200 lumens
- Greater than 60% from 0°-75°

0° - 180°	100.11 ✘	100%
0° - 75°	71.45	71.37% ✔

Inseparable SSL Luminaire

- Greater than 200 lumens

0° - 180°	100.11 ✘	100%
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