

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460



OFFICE OF
AIR AND RADIATION

February 11, 2016

Dear ENERGY STAR[®] Partner or other Interested Stakeholder:

In response to several questions, the U.S. Environmental Protection Agency (EPA) is making minor wording changes to the Version 2.0 ENERGY STAR Lamps specification.

R₉ Requirement for Compact Fluorescent Lamps

In Section 9.7 – Color Rendering, the Compact Fluorescent requirement for R₉ was incomplete. EPA is inserting “reported” to fully communicate this requirement.

Reporting of Spectral Power Distribution (SPD)

To provide clear direction on the reporting of Spectral Power Distribution (SPD), EPA is:

- Adding IES TM-27-14 “IES Standard Format for the Electronic Transfer of Spectral Data” to Section 8 – Methods of Measurement and Reference Documents;
- Adding IES TM-27-14 as a reference document in Section 9.7 – Color Rendering: All Lamps; and
- Clarifying that SPD for Solid-State Lamps shall be reported for wavelengths from 380 nm to 780 nm (at a minimum), with an interval not greater than 5 nm.
- Providing additional reporting guidance through an FAQ on www.energystar.gov.

Compact Fluorescent Lumen Maintenance Reporting

In Section 10.1 – Lumen Maintenance: All Lamps, the reported value for CFLs was inadvertently switched to match the LED requirement. The requirement currently reads:

The reported value shall be the average lumen maintenance of 10 units.

For CFLs only, to align with the rated life requirement, EPA is revising this statement to read:

The reported value shall be the average lumen maintenance of ≥ 9 surviving units.

Lumen Maintenance Supplemental Testing Guidance

In Section 10.1 – Lumen Maintenance: All Lamps, the Lamp Type/Wattage for products subject to testing at ambient temperature conditions currently reads:

Lamps labeled “not for use in totally enclosed luminaires” and/or “not for use in recessed luminaires” or equivalent statement on lamp and lamp packaging

EPA's intent is for lamps that are intended for high-heat conditions (e.g., enclosed luminaires, recessed luminaires) to be tested at an elevated temperature. To address stakeholder confusion about which products are eligible for ambient temperature life testing, EPA is revising this guidance regarding which products are exempt from elevated temperature testing to read:

Lamps labeled 1) "not for use in totally enclosed luminaires" (or equivalent statement), and 2) "not for use in recessed luminaires" (or equivalent statement) on lamp and lamp packaging

Lamp Packaging CCT Descriptors

In Section 15.2 – Lamp Packaging: All Lamps except as Noted, the CCT descriptors for 2200K and 2500K currently read:

- 2200K – Amber White
- 2500K – Sunrise/Sunset White

EPA is revising these descriptors as follows in response to a late-breaking consensus from The Association of Electrical Equipment and Medical Imaging Manufacturers (NEMA):

- 2200K – Amber Light
- 2500K – Sunset Light

EPA plans to post the revised specification document by the end of February. If you have any questions or concerns, please contact me at (202) 343-9042 or Jantz-Sell.Taylor@epa.gov or Daniel Rogers, ICF International, at (908) 233-0554 or Lighting@energystar.gov.

Sincerely,



Taylor Jantz-Sell, Manager
ENERGY STAR Lighting Program