



Setting the Standards for  
Home Energy Efficiency

## RESNET Standards Development New Work Item (NWI) Form

**NWI: 301-14-009** \_\_\_\_\_  
(Assigned by Standards Manager  
following review and approval)

**This request is to:**

- Create a new Standard
- Revise an existing Standard
- Other (describe)

**Proponent(s):**

**Name:** Dave Roberts  
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**Proposed Title:** Solid State Lighting

**Proposed Purpose:** Efficacy of Solid State Lighting (SSL) has increased in recent years to a point that these devices significantly outperform fluorescent lighting. Standard 301 currently has two tiers of lighting efficacy – above and below 50 lumens/watt. The purpose of this NWI is to provide a mechanism that accounts for higher efficacy lighting in the HERS Index.

**Proposed Scope:** Develop a proposed amendment to Standard 301 that will account for very high efficacy lighting, such as SSL.

**Project Need:** Committee members sufficiently knowledgeable about Standard 301 and lighting to craft a proposed amendment.

**Stakeholders:** Builders, lamp manufactures, fixture manufactures, HERS Providers, Raters, homeowners.

**Attached Documents (list):** Graph below show efficacy trend of rated SSL products. Median value is 92 lumens/watt in 2016.

(Source: <http://www.lightingfacts.com/Downloads/LightingFactsSnapshot-TLEDs.pdf>)

