

**Email received on May 1, 2011 from Peter Di Maso.**

Please see comments from Texas Instruments:

1. Power factor: As the efficacy increases it should be possible to relax the power factor requirement without a negative impact on the distribution network. My recommendation would be to relax the PF requirement as:

$$\text{PF} = 0.9 * (50/\text{Eff})$$

Where Eff is the efficacy of the product in Lumens/Watt

2. Dimmer tolerance: Limited to no damage to the lamp or dimmer, operation not required
3. Dimmer compatibility:
  - Manufacturer to publish list of compatible dimmers. Consider specifying that more than one bulb may have to be connected to the dimmer for proper dimming behavior.
  - EPA to specify limit to brightness variance among multiple bulbs connected to a common dimmer.
4. Exclude dimming in the PFC or limit the dimming range when discussing PFC.
5. Define the method of detection of end of life, or define some suitable method to determine loss of efficiency like light sensor.
6. The efficacy is expected to be 160L/W by 2025. How enduring does this specification expect to be?

Kind Regards,

**Peter A. Di Maso**  
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