

***Technical Consumer Products comments on the Final Draft Version 4.1
ENERGY STAR Specification for Residential Light Fixtures,
August 13, 2007***

Accelerated Life Testing (ALT) stands out as the biggest obstacle for the new spec. Energy Star 4.1 requires testing labs to be set up to Lighting Research Center (LRC) laboratory requirements but it seems that the LRC testing still has not been clearly defined. This transitional strategy is being developed (according to page 2 of the spec). Aurora International Testing Lab's goal is to have the exact same machinery to perform ALT testing that LRC has by the end of 2007. Aurora International Testing Lab has purchased a thermal chamber, which should work for this testing, but until the Fall 2007 workshops that LRC is sponsoring a lot of details are left unaccounted for. The LRC Testing equipment still has not been clearly defined. Also, 132V (120V + 10% fluctuation) is mentioned in the ALT part of this spec, but with no discussion on the tolerance allowed for the testing protocol.