

**DesignLights Consortium®
Testing Laboratory Requirements
October 22, 2013**

The DLC requires that product testing for DLC applications be conducted at an approved laboratory appropriate for the performance being evaluated. These tests include the *IES-LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products*, In-situ Temperature Measurement Tests (ISTMT), and *IES-LM-80-08 Approved Method: Measuring Lumen Maintenance of LED Light Sources*. For each of these test methods, laboratories must be approved or accredited by organizations knowledgeable of the appropriate testing conditions, testing equipment, and staff competencies necessary for accurate measurements. Below are details regarding the requirements of a laboratory for each of these test methods from which the DLC will accept testing.

DLC reviewers reserve the right to request documentation confirming testing has been conducted by a laboratory that meets these requirements at the time of testing.

Testing Laboratory Requirements Effective immediately	
In-situ Temperature Measurement Test (ISTMT)	<p>DLC will accept ISTMT results from laboratories meeting at least one of the following requirements:</p> <ul style="list-style-type: none"> • Approved by OSHA as a National Recognized Testing Laboratory (NRTL). To find a list of OSHA NRTLs, visit https://www.osha.gov/dts/otpca/nrtl/ • Approved through an OSHA NRTL data acceptance program or OSHA Satellite Notification and Acceptance Program (SNAP). • Accredited for ANSI/UL 1598 or CSA C22.2 No. 250.0-08, including Sections 19.7, 19.10-16, by an accreditation organization that is an ILAC-MRA Signatory.
LM-79	<p>DLC will accept LM-79 results from laboratories listed in the DOE LED Lighting Facts® Approved Testing Laboratories List under LM-79 sections 9, 10, and 12. Testing must be conducted within the accreditation effective and expiration dates detailed for a given laboratory.</p> <p>To find the LED Lighting Facts Approved Testing Laboratories List, visit: www.lightingfacts.com/approvedlabs</p>
LM-80	<p>DLC will accept LM-80 results from laboratories listed as EPA-Recognized Laboratories for LM-80.</p> <p>Note: DLC refers to ENERGY STAR Program Guidance Regarding LED Package, LED Array and LED Module Lumen Maintenance Performance Data Supporting Qualification of Lighting Products when determining applicability of LM-80 data for a submitted product.</p> <p>To find the list of EPA-Recognized Laboratories for LM-80, visit https://data.energystar.gov/dataset/EPA-Recognized-Laboratories-For-Lighting-Products/jgwf-7qrr, and filter the “Area of Recognition” column by “LED package, module or array (IES LM-80-2008).”</p>

Transition Process

The Testing Laboratory Requirements above are effective immediately. Manufacturers may submit testing conducted at a laboratory meeting these requirements in support of a DLC product application at any time moving forward.

Additionally, a grace period will be extended to industry to simplify the complete transition to these new requirements. Test reports from laboratories meeting the previous requirements will be accepted on testing conducted prior to January 1, 2014. Testing conducted after January 1, 2014, will only be accepted if the laboratory meets the new requirements. Note that for LM-80 reports, this means testing started prior to January 1, 2014 will continue to be accepted if conducted by a laboratory meeting the previous requirements.

Transition Schedule

Activity	Date
1. Announcement of Testing Laboratory Requirements	October 22, 2013
2. Testing accepted from laboratories that meet either the previous or new requirements	October 22, 2013 - January 1, 2014
3. Informational webinar on changes to the Testing Laboratory Requirements	October 29, 2013 at 1:00 PM ET
4. Testing conducted January 1, 2014 or later will only be accepted from laboratories that meet the new requirements Note: LM-80 testing that has started prior to January 1, 2014 will be accepted from laboratories that meet the previous policy	January 1, 2014

The previous laboratory requirements are included below for reference. Should you have any questions regarding the transition process, please contact info@designlights.org.

Testing Laboratory Requirements Applicable to testing conducted prior to January 1, 2014	
In-situ Temperature Measurement Test (ISTMT)	Similar to ENERGY STAR requirements from before September 30, 2010, DLC will accept ISTMT results from laboratories: <ul style="list-style-type: none"> • Approved by OSHA as a National Recognized Testing Laboratory (NRTL). • Accredited by NVLAP for the LM-79-08 test procedure. • Recognized through UL’s Data Acceptance Program. (Referenced in the Manufacturer’s Guide pg. 7)
LM-79	Testing must be conducted at a laboratory listed in the U.S. Department of Energy’s (DOE) LED Lighting Facts® Approved Testing Laboratories List under LM-79 sections 9, 10, and 12. Testing must be conducted within the accreditation effective and expiration dates detailed for a given laboratory.
LM-80	DLC will accept LED package in-house testing from the LED package/array/module manufacturer.