
**ENERGY EFFICIENT LIGHTING PRODUCTS
TEST METHOD SELECTION LIST**

**NOTICE TO APPLICANTS
FOR SOLID STATE LIGHTING, IES LM-79**

Effective June 1, 2011, all new applicant labs applying for NVLAP accreditation to IES LM-79, or existing NVLAP-accredited laboratories requesting addition of IES LM-79 to their scopes of accreditation, will be invoiced for a proficiency testing fee of \$2,800.00. Until that date, the fee is covered by the Department of Energy (DoE). If your laboratory has already participated in solid state (SSL) proficiency testing through NIST/NVLAP, a fee is not required to add sections of IES LM-79.

ENERGY EFFICIENT LIGHTING PRODUCTS TEST METHOD SELECTION LIST

Instruction: Check each test method for which you are requesting accreditation. Laboratories should consider selecting those test methods for which they are seeking regulatory acceptance of their test reports.

An asterisk beside the NVLAP Test Method Code indicates that proficiency testing is required. Notification will be given for the required proficiency testing by NVLAP and/or a NVLAP contractor.

NVLAP Test Method Code	Test Method Designation	Short Title
Lamps		
Color Measurements		
_____ 22/C02*	IES LM-58:1994	Spectroradiometric Measurements
_____ 22/C03	CIE Pub. 13.3:1995	Method of Measuring and Specifying Color Rendering of Light Sources
_____ 22/C04	CIE Pub. 13.2:1974	Method of Measuring and Specifying Color Rendering of Light Sources
Electrical Measurements		
_____ 22/E10*	IES LM-9:1988	Fluorescent Lamps - Electrical Measurements
_____ 22/E11*	IES LM-9:1999	Fluorescent Lamps - Electrical Measurements
_____ 22/E11a*	IES LM-9:2009	Fluorescent Lamps - Electrical Measurements
_____ 22/E12*	IES LM-45:1991	Incandescent Lamps - Electrical Measurements
_____ 22/E13*	IES LM-45:2000	Incandescent Lamps - Electrical Measurements
_____ 22/E13a*	IES LM-45:2009	Incandescent Lamps - Electrical Measurements
_____ 22/E14	IES LM-51:2000	High Intensity Discharge (HID) Lamps - Electrical Measurements
_____ 22/E15*	IES LM-66:1991	Single-Ended Compact Fluorescent Lamps - Electrical Measurements
_____ 22/E16*	IES LM-66:2000	Single-Ended Compact Fluorescent Lamps - Electrical Measurements
_____ 22/E16a*	IES LM-66:2011	Single-Ended Compact Fluorescent Lamps - Electrical Measurements
_____ 22/E17	ANSI C78.375:1991	Fluorescent Lamps - Electrical Measurements

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_____ 22/E18	ANSI C78.375:1997	Fluorescent Lamps - Electrical Measurements
_____ 22/E19	ANSI C78.386:1989	Mercury Lamps - Measurement of Characteristics
_____ 22/E20	ANSI C78.387:1987	Metal-Halide Lamps - Measurement of Characteristics
_____ 22/E21	ANSI C78.388:1990	High Pressure Sodium Lamps - Measurement of Characteristics
_____ 22/E22	ANSI C78.389:2004	High Intensity Discharge Lamps - Methods of Measuring Characteristics
_____ 22/E23	ANSI C78.5:1997	Compact Fluorescent Lamps - Run-up and Start-up Times
_____ 22/E24	ANSI C78.5:2003	Compact Fluorescent Lamps - Run-up and Start-up Times
_____ 22/E25	ANSI C82.2:1984	Ballast for Fluorescent Lamps - Methods of Measurement
_____ 22/E26	ANSI C82.2:2002	Ballast for Fluorescent Lamps - Methods of Measurement
_____ 22/E27	ANSI C82.6:2005	Ballast for High Intensity Discharge Lamps - Methods of Measurement

Life Tests

_____ 22/L05	IES LM-40:1987	Fluorescent Lamps - Life Test Performance
_____ 22/L06	IES LM-40:2001	Fluorescent Lamps - Life Test Performance
_____ 22/L06a	IES LM-40:2010	Fluorescent Lamps - Life Test Performance
_____ 22/L07	IES LM-47:2001	High Intensity Discharge Lamps - Life Test Performance
_____ 22/L07a	IES LM-47:2012	High Intensity Discharge Lamps - Life Test Performance
_____ 22/L08	IES LM-49:2001	Incandescent Filament Lamps - Life Test Performance
_____ 22/L09	IES LM-65:1991	Single-Ended Compact Fluorescent Lamps - Life Test Performance
_____ 22/L10	IES LM-65:2001	Single-Ended Compact Fluorescent Lamps - Life Test Performance
_____ 22/L10a	IES LM-65:2010	Single-Ended Compact Fluorescent Lamps - Life Test Performance
_____ 22/L11	EPA CFL v. 4.2 (Appendix B)	ENERGY STAR® Reflector CFL Elevated Temperature Test Procedure
_____ 22/L11a	EPA CFL v. 4.3 (Annex A)	ENERGY STAR® Reflector CFL Elevated Temperature Test Procedure

Photometric Measurements

_____ 22/P06a*	IES LM-9:1988	Fluorescent Lamps - Total Flux Measurements
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_____ 22/P06b*	IES LM-9:1988	Fluorescent Lamps - Intensity Measurements
_____ 22/P07a*	IES LM-9:1999	Fluorescent Lamps - Total Flux Measurements
_____ 22/P07b*	IES LM-9:1999	Fluorescent Lamps - Intensity Measurements
_____ 22/P07c*	IES LM-9:2009	Fluorescent Lamps - Total Flux Measurements
_____ 22/P07d*	IES LM-9:2009	Fluorescent Lamps - Intensity Measurements
_____ 22/P08a*	IES LM-20:1994	Reflector Type Lamps -Total Flux Measurements
_____ 22/P08b*	IES LM-20:1994	Reflector Type Lamps - Intensity Measurements
_____ 22/P09a*	IES LM-45:1991	Incandescent Lamps - Total Flux Measurements
_____ 22/P09b*	IES LM-45:1991	Incandescent Lamps - Intensity Measurements
_____ 22/P10a*	IES LM-45:2000	Incandescent Lamps - Total Flux Measurements
_____ 22/P10b*	IES LM-45:2000	Incandescent Lamps - Intensity Measurements
_____ 22/P10c*	IES LM-45:2009	Incandescent Lamps - Total Flux Measurements
_____ 22/P10d*	IES LM-45:2009	Incandescent Lamps - Intensity Measurements
_____ 22/P11a	IES LM-51:2000	High-Intensity Discharge Lamps -Total Flux Measurements
_____ 22/P11b	IES LM-51:2000	High-Intensity Discharge Lamps - Intensity Measurements
_____ 22/P12a*	IES LM-66:1991	Single-Ended Compact Fluorescent Lamps - Total Flux Measurements
_____ 22/P12b*	IES LM-66:1991	Single-Ended Compact Fluorescent Lamps - Intensity Measurements
_____ 22/P13a*	IES LM-66:2000	Single-Ended Compact Fluorescent Lamps - Total Flux Measurements
_____ 22/P13b*	IES LM-66:2000	Single-Ended Compact Fluorescent Lamps - Intensity Measurements
_____ 22/P13c*	IES LM-66:2011	Single-Ended Compact Fluorescent Lamps - Total Flux Measurements
_____ 22/P13d*	IES LM-66:2011	Single-Ended Compact Fluorescent Lamps - Intensity Measurements
_____ 22/P14	EN/IEC 60969, Ed. 1.2: 2001	Self-Ballasted Lamps for General Lighting Services - Performance Requirements

Luminaires

_____ 22/F06	IES LM-10:1996	Photometric Testing of Outdoor Fluorescent Luminaires
_____ 22/F07	IES LM-31:1995	Photometric Testing of Roadway Luminaires
_____ 22/F08	IES LM-35:2002	Photometric Testing of Floodlights Using Incandescent Filament or Discharge Lamps

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_____ 22/F09*	IES LM-41:1998	Photometric Testing of Indoor Fluorescent Luminaires
_____ 22/F10*	IES LM-46:2004	Photometric Testing of Indoor Luminaires Using High Intensity Discharge or Incandescent Filament Lamps

Solid State Lighting

Color Measurements

_____ 22/S01*	IES LM-58:1994	Spectroradiometric Measurements
_____ 22/S02*	CIE Pub. 13.3:1995	Method of Measuring and Specifying Color Rendering of Light Sources
_____ 22/S03*	IES LM-79:2008 (Sec. 12)	Solid State Lighting Luminaires - Color Characteristic Measurements
_____ 22/S04*	IES LM-16:1993	Practical Guide to Colorimetry of Light Sources
_____ 22/S05*	CIE Pub. 15:2004	Colorimetry

Electrical Measurements

_____ 22/S06*	ANSI C82.2:2002	Ballast for Fluorescent Lamps - Methods of Measurement
_____ 22/S07*	ANSI C82.77:2002	Harmonic Emission Limits - Related Power Quality Requirements for Lighting Equipment

Life Tests

_____ 22/S08*	IES LM-80:2008	Solid State Lighting Luminaires - Lumen Maintenance
_____ 22/S14	EPA Integral LED Lamps v. 1.4 (Appendix E)	ENERGY STAR® Elevated Temperature Testing for Integral LED Lamps

Photometric Measurements

_____ 22/S09*	IES LM-79:2008 (Sec. 9)	Solid State Lighting Luminaires - Total Flux Measurements (Luminous Efficacy)
_____ 22/S10*	IES LM-79:2008 (Sec. 10)	Solid State Lighting Luminaires - Luminous Intensity Measurements
_____ 22/S13*	IES LM-82-12	Approved Method for the Characterization of LED Light Engines and LED Lamps for Electrical and Photometric Properties as a Function of Temperature

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Temperature Measurement

_____ 22/S15	ANSI/UL 153:2002 (Secs. 124-128A)	Standard for Portable Electric Luminaires
_____ 22/S16	ANSI/UL 1574:2004 (Sec. 54)	Standard for Track Lighting Systems
_____ 22/S17	ANSI/UL 1598:2008 (Secs. 19.7, 19.10-16)	Luminaires

Decorative Light Strings

_____ 22/D01	EPA DLS:2008 (Appendix A)	Energy Star Program Requirements for Decorative Light Strings Appendix A
_____ 22/D02	CIE Pub. 84:1989	Measurement of Luminous Flux
_____ 22/D05	ASTM G154:2006	Standard Practice for Operating Fluorescent Light Apparatus for UV Exposure of Nonmetallic Materials