Process for Change to an ANSI/IES Standard under Continuous Maintenance

This standard is maintained under continuous maintenance procedures, for which IES has an established and documented program for regular publication of addenda or revisions, including procedures for timely, documented, consensus action on requests for change to any part of the standard. Committee consideration will be given to proposed changes by June 30 of any given year for proposed changes received by the IES Director of Standards no later than December 31 of the previous year.

Submittal Format

Proposed changes must be submitted to the IES Director of Standards in the announced published format. However, changes may be accepted in an earlier published format, if the differences are immaterial to the proposed change submittal. If the Director of Standards concludes that a current form must be utilized, the proposer may be given up to 20 additional days to resubmit the proposed changes in the current format.

Specific changes in the text or values are required and must be substantiated. Any change proposals that do not meet these requirements will be returned to the proposer. Supplemental background documents to support changes submitted may be included.

Submission to the Committee Chair

The Director of Standards shall forward proposed changes received on appropriate forms to the committee chair for assigning to committee members (responders) to develop responses to submitters of proposed changes.

Review and Clarification

Responders shall review proposals and should contact the proposer if necessary for clarification.

Response Recommendation

Designated responders shall draft a recommended committee response, including any recommended changes to the standard. The 'responders' recommended responses shall be submitted to the committee chair in electronic form usable by Society Staff, including any recommended change to the standard in response to proposals received.

Options for Committee response are limited to:

- a) Proposed change accepted for public review without modification
- b) Proposed change accepted for public review with modification
- c) Proposed change accepted for further study
- d) Proposed change rejected

The responders shall provide reasons for any recommendation other than option (a) above.

The designated responders shall not recommend option (c) unless the further study can be completed by October 1 of that year, and providing the Committee can then vote for option (a), (b), or (d) no later than November 15 of that year.

Editing

The Committee chair or his or her designee shall edit the draft responses and circulate the edited drafts to the committee for review.

Form for Proposing Change to an ANSI/IES Standard under Continuous Maintenance

NOTE: Use a separate form for each comment. Submit to the Director of Standards, IES, 85 Broad Street, 17th Floor, New York, NY 10004. Email: standards@ies.org. Fax: 212-248-5017.

1. Submitter:				
Affiliation:				
Address:				
City:	State:	Zip:	Country:	
Telephone:				
Fax:				
E-mail:				

I hereby grant the Illuminating Engineering Society (IES) the non-exclusive royalty rights, including non-exclusive rights in copyright, in my proposals. I understand that I acquire no rights in publication of the standard in which my proposals in this, or other analogous, form are used. I hereby attest that I have the authority and am empowered to grant this copyright release.

Submitter's signature:	Date:
5	

2.	Title of	publications	and vear	published
<u> </u>	THE OF	pasheations	and year	pablishea

3. Clause (section), sub-clause or paragraph number; and page number:

4. My proposal (check one):

- [] Change to read as follows
- [] Delete and substitute as follows
- [] Add new text as follows
- [] Delete without substitution

Use underscore to show material to be added (<u>added</u>) and strikethrough for material to be deleted (deleted). Use additional pages if needed.

5. Proposed change:

6. Reason and substantiation:

Select as applicable:

- [] Additional pages are attached. Number of additional pages:
- [] Attachments or referenced materials cited in this proposal accompany this proposed change.

Please verify that all attachments and references are relevant, current, and clearly labeled to avoid processing and review delays. Please list your attachments here:

The Illuminating Engineering Society of North America (IES)

Standards Maintained Under Continuous Maintenance:

1.	ANSI/IES LS-1	Lighting Science: Nomenclature and Definitions for Illuminating
-	Engineering	
2.	ANSI/IES LS-2	Lighting Science: Concepts and Language of Lighting
3.	ANSI/IES LS-3	Lighting Science: Physics and Optics of Radiant Power
4.	ANSI/IES LS-4	Lighting Science: Measurement of Light - The Science of Photometry
5.	ANSI/IES LS-5	Lighting Science: Color
6.	ANSI/IES LS-6	Lighting Science: Calculation of Light and Its Effects
7.	ANSI/IES LS-7	Lighting Science: Calculation of Light and Its Effects
8.	ANSI/IES LS-8	Lighting Science: Vision - Perceptions and Performance
9.	ANSI/IES RP-27	Recommended Practice: Photobiological Safety for Lighting Systems
10.	ANSI/IES RP-27-1	Recommended Practice: UV Germicidal Irradiation Risk Group
	Classifications	
11.	ANSI/IES TM-30	IES Method for Evaluating Light Source Color Rendition
12.	ANSI/IES TM-37	Technical Memorandum: Description, Measurement, and Estimation of
	Sky Glow	
13.	ANSI/IES TM-24	Technical Memorandum: An Optional Method for Adjusting the
	Recommended Illumina	ance for Visually Demanding Tasks within IES Illuminance Categories P
	through Y Based on Lig	nt Source Spectrum
14.	ANSI/IES LP-1	Lighting Practice: Designing Quality Lighting for People and Buildings
15.	ANSI/IES LP-2-	Lighting Practice: Designing Quality Lighting for People in Outdoor
	Environments	
16.	ANSI/IES LP-3	Lighting Practice: Designing and Specifying Daylighting for Buildings
17.	ANSI/IES LP-4	Lighting Practice: Electric Light Sources - Properties, Selection, and
	Specification	
18.	ANSI/IES LP-6	Lighting Practice: Lighting Control Systems - Properties, Selection, and
	Specification	
19.	ANSI/IES LP-7	Lighting Practice: The Lighting Design and Construction Process
20.	ANSI/IES LP-8	Lighting Practice: The Commissioning Process Applied to Lighting and
	Control Systems	
21.	ANSI/IES LP-9	Lighting Practice: Upgrading Lighting Systems in Commercial and
	Industrial Facilities	
22.	ANSI/IES LP-10	Lighting Practice: Sustainable Lighting - An Introduction to the
	Environmental Impacts	of Lighting
23.	ANSI/IES LP-11	Lighting Practice: Environmental Considerations for Outdoor Lighting
24.	ANSI/IES LP-12	Lighting Practice: IoT Connected Lighting
25.	ANSI/IES LP-13	Lighting Practice: introduction to Resilient Lighting Systems
26.	ANSI/IES LP-16	Lighting Practice: Documenting Control Narratives and Sequences of
	Operations	
27.	ANSI/IES RP-31	Recommended Practice: Economic Analysis of Lighting
28	ANSI/IFS/NAI MCO RP-3	Recommended Practice: Lighting Maintenance
20. 20		Luminaire Classification System for Outdoor Luminaires
25.		Earman e classification system for Outdoor Earmanes

30.	ANSI/IES TM-25	Technical Memorandum: Ray File Format for the Description of the					
	Emission Properties of	Light Sources					
31.	ANSI/IES TM-27	Technical Memorandum: IES Standard Format for the Electronic					
	Transfer of Spectral Da	Transfer of Spectral Data					
32.	ANSI/IES TM-32	Technical Memorandum: Lighting Parameters for Building Information					
	Modeling						
33.	BSR/IES TM-33-	Standard File Format for the Electronic Transfer of Luminaire Optical					
	Data						
34.	ANSI/IES RP-1	Recommended Practice: Lighting Office Spaces					
35.	ANSI/IES RP-2	Recommended Practice: Lighting Retail Spaces					
36.	ANSI/IES RP-3	Recommended Practice: Lighting Educational Facilities					
37.	ANSI/IES RP-4	Recommended Practice: Lighting Library Spaces					
38.	ANSI/IES RP-6-	Recommended Practice: Lighting Sports and Recreational Areas					
39.	ANSI/IES RP-7	Recommended Practice: Lighting Industrial Facilities					
40.	ANSI/IES RP-9	Recommended Practice: Lighting Hospitality Spaces					
41.	ANSI/IES RP-10	Recommended Practice: Lighting Common Applications					
42.	ANSI/IES/ALA RP-11	Lighting for Interior and Exterior Residential Environments					
43.	ANSI/IES RP-28	Recommended Practice: Lighting and the Visual Environment for Older					
	Adults and the Visually	Impaired					
44.	ANSI/IES RP-29	Recommended Practice: Lighting Hospital and Healthcare Facilities					
45.	ANSI/IES RP-30	Recommended Practice: Lighting Museums					
46.	ANSI/IES RP-37	Recommended Practice: Lighting Airport Outdoor Environments					
47.	ANSI/IES/AVIXA RP-38	Recommended Practice: Lighting Performance for Small to Medium					
	Sized Videoconference	Rooms					
48.	ANSI/IES RP-39	Recommended Practice: Off-Roadway Sign Luminance					
49.	ANSI/IES RP-40	Recommended Practice: Lighting Port Terminals					
50.	ANSI/IES RP-41	Recommended Practice: Lighting Theaters and Worship Spaces					
51.	ANSI/IES RP-42	Recommended Practice: Dimming and Control Method Designations					
52.	ANSI/IES RP-43	Recommended Practice: Lighting Exterior Applications					
53.	ANSI/IES RP-44	Recommended Practice: Ultraviolet Germicidal Irradiation (UVGI)					
54.	ANSI/IES RP-45	Recommended Practice: Lighting Horticultural Facilities					
55.	IES RP-46	Recommended Practice: Supporting the Physiological and					
	Behavioral Effects of Li	ghting in Interior Daytime Environments					
56.	ANSI/IES RP-47	Recommended Practice: Landscape Lighting					
57.	ANSI/IES RP-8	Recommended Practice: Design and Maintenance of Roadway and					
	Parking Facility Lighting						
58.	ANSI/IES LM-9	Approved Method: Electrical and Photometric Measurement of					
	Fluorescent Lamps						
59.	ANSI/IES LM-10-20	Approved Method: Photometric Testing of Roadway and Area Lighting					
	Fluorescent Luminaires	5					
60.	ANSI/IES LM-11-20 Incandescent or HID Sc	Approved Method: Photometric Testing of Searchlights Using ources					

61. ANSI/IES LM-20 Photometry of Reflector Type Lamps

62.	ANSI/IES LM-28	Approved Method: Guide for the Selection, Care and Use of Electrical
	Instruments in the I	Photometric Laboratory
63.	ANSI/IES LM-31	Approved Method: Photometric Testing of Roadway and Area
	Lighting Luminaires	Using Incandescent Filament or High Intensity Discharge Lamps
64.	ANSI/IES LM-35	Approved Method: Photometric Testing of Floodlights Using
	High Intensity Disch	arge or Incandescent Filament Lamps
65.	ANSI/IES LM-37	Approved Method: Guide for Determination of Average Luminance
	(Calculated) for Inde	oor Luminaires
66.	ANSI/IES LM-40 Ap	proved Method: Life Testing of Fluorescent Lamps
67.	ANSI/IES LM-41	Approved Method: Photometric Testing of Indoor Fluorescent
	Luminaires	
68.	ANSI/IES LM-45	Approved Method: Electrical and Photometric Measurements of General
	Service Incandescer	it Filament Lamps
69.	ANSI/IES LM-46	Approved Method: Photometric Testing of Indoor Luminaires Using High
	Intensity Discharge	or Incandescent Filament Lamps
70.	ANSI/IES LM-47	Approved Method: Life Testing of High Intensity Discharge (HID) Lamps
71.	ANSI/IES LM-48 -20	Approved Method: Testing Calibration of Locking Type Photoelectric
	Control Devices	
72.	ANSI/IES LM-48	Approved Method: Testing Calibration of Locking Type Photoelectric
	Control Devices	
73.	ANSI/IES LM-49	Approved Method: Life Testing of Incandescent Filament Lamps
74.	ANSI/IES LM-51	IES Approved Method: Electrical and Photometric Measurement of High
	Intensity Discharge	Lamps
75.	ANSI/IES LM-54	Approved Method: Guide to Lamp Seasoning
76.	ANSI/IES LM-58	Approved Method: Guide to Lamp Seasoning
77.	ANSI/IES LM-61	Approved Method: Identifying Operating Factors for Installed High
	Intensity Discharge	Luminaires
78.	ANSI/IES LM-63	Approved Method: Standard File Format for the Electronic Transfer of
	Photometric Data a	nd Related Information.
79.	ANSI/IES LM-65	Approved Method: Life Testing of Single-Based Fluorescent Lamps
80.	ANSI/IES LM-66	Approved Method: Electrical and Photometric Measurements of Single-
	Based Fluorescent L	amp
81.	ANSI/IES LM-72	Approved Method: Electrical and Photometric Measurements of Single-
	Based Fluorescent L	amp
82.	ANSI/IES LM-73	IES Approved Method for Photometric Testing of Entertainment Lighting
	Luminaires Using In	candescent Filament Lamps or High Intensity Discharge Lamps
83	ANSI/IFS I M-75	Approved Method: Goniophotometer Types and Photometric
	Coordinates	
84	$\Delta NSI/IFS M-77$	Approved Method: Intensity Distribution Measurement of Luminaires
04.	and Lamps Using Di	gital Screen Imaging Photometry
85		Approved Method: Total Luminous Elux Measurement of Lamps using
65.	an Integrating Sphe	re Destemptor
96		Approximate Methods Electrical and Distance tric Massurements of Salid
ŏ0.	AINSI/IES LIVI-/9	Approved Method: Electrical and Photometric Measurements of Solid
07	State Lighting Produ	
8/.	ANSI/IES LIVI-80	Approved Iviethod: Ivieasuring Luminous Flux and Color Maintenance of
	LED Packages, Array	/s and Modules

88.	ANSI/IES LM-82	Approved Method: Characterization of LED Light Engines and LED Lamps				
	for Electrical and Photo	metric Properties as a Function of Temperature				
89.	ANSI/IES LM-83	Approved Method: IES Spatial Daylight Autonomy (sDA) and Annual				
	Sunlight Exposure (ASE	sure (ASE)				
90.	ANSI/IES LM-84	Approved Method: Measuring Luminous Flux and Color Maintenance of				
	LED Lamps, Light Engin	es, and Luminaires				
91.	ANSI/IES LM-85	Approved Method: Electrical and Photometric Measurements of High-				
	Power LEDs					
92.	ANSI/IES LM-86	Approved Method: Measuring Luminous Flux and Color				
	Maintenance of Remot	e Phosphor Components				
93.	ANSI/IES LM-88	Approved Method Optical and Electrical Measurements of AC-LED				
	Packages and Arrays or	Modules				
94.	ANSI/IES LM-90	Approved Method: Measuring Luminous Flux Waveforms for Use in				
	Temporal Light Artifact	(TLA) Calculations				
95.	ANSI/IES LM-91	Approved Method: Application Distance Radiometry				
96.	ANSI/IES/IUVA LM-92	Approved Method: Electrical and Optical Measurements of Ultraviolet				
	LEDs					
97.	ANSI/IES LM-93	Optical and Electrical Measurements of Far UV-C Excimer Sources				
98.	ANSI/IES LM-98	Approved Method: Measuring In-Situ Temperature of Solid-State				
	Lighting Components ir	a Lamps and Luminaires				
99.	ANSI/IES TM-21	Technical Memorandum: Projecting Long Term Lumen Maintenance of				
	LED Light Sources (+ Ad	dendum)				
100.	ANSI/IES TM-28	Technical Memorandum: Projecting Long-Term Luminous Flux				
	Maintenance of LED La	mps and Luminaires				
101.	ANSI/IES TM-31	Technical Memorandum: Measurement Uncertainty for Lighting				
	Equipment Calibration	Using Integrating Spheres				
102.	ANSI/IES TM-35	Technical Memorandum: Projecting Long-Term Chromaticity Coordinate				
	Shift of LED Packages, A	Arrays, and Modules				
103.	ANSI/IES TM-38	Technical Memorandum: Photometric and Electrical Measurements of				
	Tunable-White Solid-St	ate Lighting Products				

Standard Designation	Collection and Title	Scope	Committee	Deprecated	ANSI Maintenance
		Updated 6/12/25 - Add standards are under ANSI Continuous Maintenance			
Part 1:	Lighting Science, Metrics, and Calculations	Lighting Science Collection			
ANSI/IES LS-1-22	Lighting Science: Nomenclature and Definitions for Illuminating Engineering	Intended Audience: Designers, architects, engineers, users, general public, environmentalists, utilities. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM) Test Equip User (TEU), Test Equip Manf (TEM). Description: This document clarifies and standardizes the nomenclature used in the lighting industry.	Nomenclature	ANSI/IES LS-1-20 ANSI/IES LS-1-21	СМ
ANSI/IES LS-2- 20(R2023)	Lighting Science: Concepts and Language of Lighting	Intended Audience: Lighting Practitioners, facilities managers, electricians, the general public, code officials. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM) Test Equip User (TEU), Test Equip Manf (TEM). <u>Description:</u> Describe, specify, and evaluate luminous environments. The concepts included result from a consideration of the nature of light, vision, and architecture. The vocabulary results from the need for clarity, specificity, and precision.	Nomenclature	ANSI/IES LS-2-20	СМ
ANSI/IES LS-3-20(R23)	Lighting Science: Physics and Optics of Radiant Power	Intended Audience: Lighting practitioners, manufacturers, contractors, building owners/managers, code officials and organizations, the general public. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM) Test Equip User (TEU), Test Equip Manf (TEM). Description: This document describes the physics of radiant energy for various light source types, as well as the physical optics used for manipulating light.	Testing Procedures Committee	ANSI/IES LS-3-20	СМ
ANSI/IES LS-4-20(R23)	Lighting Science: Measurement of Light - The Science of Photometry	Intended Audience: Lighting practitioners, manufacturers, contractors, building owners/managers, code officials and organizations, the general public. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM) Test Equip User (TEU), Test Equip Manf (TEM). Description: Photometry is the measurement of radiation accounting for human visual response. This document describes the various types of photometry and photometric instrumentation, including laboratory and field equipment and measurement types, and instructions for some types of field measurements.	Testing Procedures Committee	ANSI/IES LS-4-20	СМ
ANSI/IES LS-5-25	Lighting Science: Color	Intended Audience: Lighting practitioners, researchers, AE community, lighting manufacturers, educators, distributors, building managers, regulatory and energy sectors. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM) Test Equip User (TEU), Test Equip Manf (TEM).	Color Committee	ANSI/IES LS-5-21	СМ

Standard Designation	Collection and Title	Scope	Committee	Deprecated	ANSI
					Maintenance
		Updated 6/12/25 - Add standards are under ANSI Continuous Maintenance			
		<u>Description</u> : The understanding of the color properties of light and their applications is finding an unprecedented relevance in the lighting industry. As a result, lighting professionals are faced with an increased need for accurate quantitative and qualitative descriptions of the color related performance of all light sources. Lighting professionals need an understanding of human vision and psychology to appreciate the ways that light and color will affect users. The 2025 update is completely re-organized, streamlined, and represents the equivalent of a Lighting Color Handbook. Many sections now tie-in the use of ANSI/IES TM-30 IES Method for Evaluating Light Source Color Rendition.			
ANSI/IES LS-6-20(R25)	Lighting Science: Calculation of	Intended Audience: Designers, architects, engineers, users, general public, environmentalists, utilities.	Computer Committee		СМ
		Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM) Test Equip User (TEU), Test Equip Manf (TEM).			
		calculations, to describe how this theory is approximated and used, and to describe how it is embodied			
		in most lighting analysis software	-		
ANSI/IES LS-7-20	Lighting Science: Vision - Eye and Brain	Intended Audience: Designers, architects, engineers, users, general public, environmentalists, utilities.	Computer Committee		СМ
		(GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM) Test Equip User (TEU), Test Equip Manf (TEM).			
		Description: The purpose of this document is to describe and explain the human visual system, including			
		its components in the eye and the brain. The structure and function of these various components are			
		explained, as well as the ways in which individual people differ in their visual abilities.			
ANSI/IES LS-8-20	Lighting Science: Vision - Perceptions and Performance	Intended Audience: Designers, architects, engineers, users, general public, environmentalists, utilities.	Vision Science Committee		СМ
		Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM) Test Equip User (TEU), Test Equip Manf (TEM).			
		Description: This document provides an overview of visual perceptions and performance, covering topics			
		such as brightness, glare, flicker, visibility, and illuminance criteria; as well as basic descriptions and			
		background of visual phenomena in order to guide lighting practitioners.			
ANSI/IES RP-27-20	Lighting Science: Vision -	Intended Audience: All as well as research scientists/academics in the biological	Photobiology	ANSI/IES RP-27.1-	СМ
	Perceptions and Performance		Committee	15	
		science areas.		ANSI/IES RP-27.2- 00	
		Intended Interest Categories: Affected (UA), Public Interest (UP), Academic, Research (GAR),		ANSI/IES RP-27.3-	
		Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Test Equip User (TEU), Test Equip Manf (TEM).		17	
		Description: Classification, labeling and informational requirements for lamps that emit optical radiation			
		in the wavelength range from 200 nm to 3000 nm.			
ANSI/IES RP-27-1-22	Recommended Practice: UV	Intended Audience: All as well as the General Public.	Photobiology		СМ

Standard Designation	Collection and Title	Scope	Committee	Deprecated	ANSI Maintenance
		Updated 6/12/25 - Add standards are under ANSI Continuous Maintenance			
	Germicidal Irradiation Risk Group Classifications	Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM) Test Equip User (TEU), Test Equip Manf (TEM). <u>Description:</u> This Recommended Practice summarizes the photobiological hazards of exposure to ultraviolet (UV) radiation and to provide recommendations to minimize the risks of such effects from ultraviolet lamp systems. Target applications include consumer, industrial, scientific and medical applications for optical radiation emitted between 180 nm and 3,000 nm and in the spectral region of 180 nm to 400 nm.	Committee		
IES TM-18-18	Light and Human Health - An Overview of the Impact of Optical Radiation on Visual, Circadian, Neuroendocrine, and Neurobehavioral Responses	Intended Audience: Lighting practitioners, architects, engineers, general public. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM) Test Equip User (TEU), Test Equip Manf (TEM). Description: The retinal mechanisms involved when light signals are converted into neural signals for vision and for other body functions. Light reaching the retina not only impacts on how humans see the world, it also regulates physiology and behavior, both directly and indirectly.	Light & Human Health	TM-18-08	СМ
ANSI/IES TM-30-24	IES Method for Evaluating Light Source Color Rendition	Intended Audience: Lighting specifiers, manufacturers, engineers, designers, authors of regulations/ recommended practices. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM) Test Equip User (TEU), Test Equip Manf (TEM). Description: IES-approved method for evaluating light source color rendition that takes an objective and statistical approach, quantifying both overall average properties (color fidelity, gamut area) and hue- specific properties (fidelity, chroma shift, hue shift) of a light source using numerical and graphical techniques	Color Committee	TM-30-15, ANSI/IES TM-30- 18, ANSI/IES TM- 30-20	СМ
ANSI/IES TM-37-21	Technical Memorandum: Description, Measurement, and Estimation of Sky Glow	Intended Audience: The general public, municipalities, utilities, environmentalists, astronomers, designers, manufacturers, researchers, managers of protected areas. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM) Test Equip User (TEU), Test Equip Manf (TEM). Description: Causes, characteristics, and potential impacts of human-based sky glow. This document provides the current state of the science for conducting estimations to facilitate its quantification and control.	Sky Glow Committee		СМ
ANSI/IES TM-39-25	Technical Memorandum: Quantification and Specification of Visual Responses to Temporal Light Modulation (a.k.a. Flicker)	Intended Audience: Lighting producers and testing labs, researchers, specifiers, regulators, specification writing organizations, etc. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM) Test Equip User (TEU), Test Equip Manf (TEM).			

Standard Designation	Collection and Title	Scope	Committee	Deprecated	ANSI Maintenance
		Updated 6/12/25 - Add standards are under ANSI Continuous Maintenance			
		<u>Description</u> : Flicker, a common name for light that fluctuates rapidly in luminance over time, has been a concern since the introduction of electrical lighting systems at the turn of the 20th century. The preferred term is temporal light modulation (TLM), Temporal light modulation (TLM) is defined as the fluctuation in luminous quantity or spectral distribution of light with respect to time, or more descriptively, a light stimulus with a waveform that exhibits time-based modulation. TLM is a lighting quality issue as well as a health issue in some individuals and contexts. New terms and metrics also include Direct Flicker, Stroboscopic Effect, Phantom Array Effect, and Non-Visual Responses to TLM.			
		ANSI/IES TM-39-25 will help you learn how to specify the best match for LED sources/luminaires and			
		controls to mitigate flicker.			
Part 2:	Lighting Practice				
IES G-1-22	Guide for Security Lighting for People, Property, and Critical Infrastructure	Intended Audience: Lighting Practitioners, electrical engineers, architects, interior designers, related people in the built environment areas, regulatory/code, luminaire manufacturers and trades, testing labs, optical and vision experts, law enforcement managers and advisors, crime prevention specialists, criminalists and risk managers.	Security Lighting Committee	IES G-1-16	СМ
		Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM).			
		Description: Security lighting considerations include basic security principles; crime prevention concepts; light level criteria for a variety of applications; a protocol for evaluating current lighting levels; a security survey and crime search methodology; and other recommendations.			
ANSI/IES LP-1/LP- 7/24	Lighting Practice: Designing Quality Lighting for People and Buildings + The Lighting Design Process	Intended Audience: Lighting practitioners, building owners/managers, code officials, the general public. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM) Test Equip User (TEU), Test Equip Manf (TEM). Description: Quality lighting design distinguishes the designer, provides full value to the client, and supports the design intent. This document will introduce the reader to the principles and background involved in achieving this level of lighting for people and buildings. In addition, the essential process that a lighting practitioner follows in concert with members of the building team to document a design for construction.	Light + Design Committee		СМ
		The 2024 update merges LP-1 & LP-7.			
ANSI/IES LP-2-20	Lighting Practice: Designing Quality Lighting for People in Outdoor Environments	Intended Audience: Lighting practitioners, electrical engineers, civic planners, civil engineers, architects, community based planning groups, general public. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM) Test Equip User (TEU), Test Equip Manf (TEM). Description: Pedestrian-oriented lighting recommendations for the reassurance, safety, comfort, amenity, and enjoyment of pedestrians in outdoor environments. These recommendations provide a basis for lighting and space design, including the flexibility for application of multiple methods.	Lighting for Outdoor Public Spaces		СМ

Standard Designation	Collection and Title	Scope	Committee	Deprecated	ANSI Maintenance
		Updated 6/12/25 - Add standards are under ANSI Continuous Maintenance			
ANSI/IES LP-3-20	Lighting Practice: Designing and Specifying Daylighting for Buildings	Intended Audience: Architects, lighting designers, daylighting consultants, engineers, utilities, students, general public, interior designers, product designers& manufacturers, research scientists, facility managers, building owners/developers, policy, HVAC engineers.	Daylighting Committee	IES DG-31-18	СМ
		Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM) Test Equip User (TEU), Test Equip Manf (TEM).		IES RP-5	
		<u>Description:</u> Daylighting refers to the art and practice of admitting beam sunlight, diffuse sky light, and reflected light from exterior surfaces into a building to provide ambient and/or task lighting to meet the visual and biological needs of the occupants. This document provides detailed discussions and guidelines on the design and performance of these systems.			
ANSI/IES LP-4-20	Lighting Practice: Electric Light Sources - Properties, Selection, and Specification	Intended Audience: Lighting practitioners, electrical engineers, civic planners, civil engineers, architects, community based planning groups, general public. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM) Test Equip User (TEU), Test Equip Manf (TEM). Description: Light source selection for those involved in the design of the luminous environment, including architects, interior designers, engineers, lighting designers, owners, sustainability consultants, energy engineers, landscape architects, lighting product representatives, lighting manufacturers, contractors, and distributors.	Light Sources Committee	IESNA DG-10-98	СМ
ANSI/IES LP-6-20	Lighting Practice: Lighting Control Systems - Properties, Selection, and Specification	Intended Audience: Lighting Practitioners, electrical engineers, architects, interior designers, related people in the built environment areas, regulatory/code, luminaire manufacturers and trades, testing labs, optical and vision experts. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM) Test Equip User (TEU), Test Equip Manf (TEM). Description: This Lighting Practice document is intended to help designers, users, commissioning providers, and other interested parties understand fundamental characteristics and purposes of lighting control systems. This includes design considerations, energy-saving strategies, equipment, and the variety of organizing protocols and methods in common usage.	Lighting Control Systems Committee		СМ
ANSI/IES LP-16-22	Lighting Practice: Documenting Control Narratives and Sequences of Operations	Intended Audience: Lighting Practitioners, electrical engineers, architects, interior designers, related people in the built environment areas, regulatory/code, luminaire manufacturers and trades. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM). Description: Guidance o the documentation of Control Intent Narratives and Sequences of Operation (CIE and SOO).	Lighting Control Systems Committee		СМ
ANSI/IES LP-8-20	Lighting Practice: The Commissioning Process Applied to Lighting and Control Systems	Intended Audience: Commissioning providers, building owners, architects, engineers, lighting designers, code authorities, test technicians, contractors, and control system manufacturers and distributors. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM).	Commissioning Committee	IES DG-29-11	СМ

Standard Designation	Collection and Title	Scope	Committee	Deprecated	ANSI Maintenance
		Updated 6/12/25 - Add standards are under ANSI Continuous Maintenance			
		Description: This LP includes requirements for lighting and control systems to fully support the			
		documentation, verification, and acceptance activities during each phase of the Commissioning Process,			
		including a Systems Manual and training for operations and maintenance personnel and occupants.			
ANSI/IES LP-9-20	Lighting Practice: Upgrading	Intended Audience: Lighting practitioners engaged in renovations and retrofits, contractors, distributors,	Lighting Upgrades	IES DG-2-92	СМ
	Lighting Systems in Commercial	manufacturers, owners, facility managers, commercial & institutioal building owners.	Committee		
	and moust fair activities	Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research			
		(GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM).			
		Description: General methods of performing a successful lighting upgrade. The 2025 update brings the			
		content up to date regarding LEDs, controls, economic and maintenance factors, not only reducing			
		operating costs but improving the working environment for occupants, improving productivity and			
ANSI/IES LP-10-20	Lighting Practice: Sustainable	Intended Audience: Lighting practitioners, building owners, architects, engineers, lighting designers, code	Sustainable	IES DG-22-12	СМ
,	Lighting - An Introduction to the	authorities, test technicians, contractors, and control system manufacturers and distributors.	Lighting Committee		
	Environmental Impacts of Lighting		0 0		
	Linitonnental impacts of Lighting	Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research			
		(GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM).			
		Description: Applying sustainability to lighting design requires reevaluation of many systems choices in			
		terms of their potential impact on the environment; how it affects the design of lighting in process and			
		product.			
ANSI/IES LP-11-20	Lighting Practice: Environmental	Intended Audience: Lighting practitioners, building owners, architects, engineers, lighting designers, code	Outdoor		СМ
	Considerations for Outdoor	authorities, test technicians, contractors, and control system manufacturers and distributors.	Environmental		
	Lighting	Internet distance to Construct Constitution (UC) Affected (UA) Dublic Internet (UD) Academic Descent	Lighting Committee		
		Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM).			
		Description: Environmental considerations in exterior lighting, especially as related to glare, sky glow,			
		light trespass and the impact of electric light at night on flora and fauna.			
ANSI/IES LP-12-21	Lighting Practice: Lighting Systems	Intended Audience: Lighting practitioners engaged in renovations and retrofits, contractors, distributors,	Internet of Things		СМ
	and the Internet of Things	manufacturers, owners, facility managers.	Committee		
		Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research			
		(GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM).			
		Description: The purpose of this document is to serve as a design guide and to provide lighting			
		professionals with the necessary information to consider and evaluate potential connected lighting and			
		IoT solutions and applications.			
ANSI/IES LP-13-21	Lighting Practice: introduction to	Intended Audience: Designers, Architects, Engineers, Building Owners, General public	Resilient Lighting		СМ
	Resilient Lighting Systems	Internal ad Internet Cotogonico: Considior (LIC) Affected (LIA) Dublis Internet (LID) Assidant's Dublis			
		Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research			

Standard Designation	Collection and Title	Scope	Committee	Deprecated	ANSI Maintenance
		Updated 6/12/25 - Add standards are under ANSI Continuous Maintenance			
		Description: Resilient design for lighting systems can support the goals of enhancing the resilience of buildings. The intent is to provide guidance on lighting performance, controls, and the characteristics of lighting equipment for resilient buildings.			
ANSI/IES LP-16-22	Lighting Practice: Documenting Control Narratives and Sequences of Operations	Intended Audience: Building owners, managers, architects, lighting practitioners, electrical engineers, control systems practitioners, luminaire and controls manufacturers, systems integrators, and installers. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM). Description:This document provides guidance on the documentationof Control Intent Narratives and Sequences of Operation(CIN and SOO). It is not intended to be a design guide,but rather a reference manual of best practices on howthe design, once formulated, is included in the projectdocumentation and communicated to the constructionand commissioning teams.	Lighting Control Systems Committee		СМ
ANSI/IES RP-31-20	Recommended Practice: Economic Analysis of Lighting	Intended Audience: Lighting practitioners, architects, electrical engineers, distributors, luminaire and control manufacturers, building owners, managers/operators, the general public. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM). Description: Methods for gauging the profitability of a capital investment in a lighting system, which can be objectively compared to other competing capital investments.	Economics	IES RP-31-14	СМ
ANSI/IES/NALMCO RP- 36-24	Recommended Practice: Lighting Maintenance	Intended Audience: Lighting designers, specifiers, facility manager, building owners. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM). Description: Design lighting systems that will be easy to maintain and will optimize energy efficiency and maintenance based on good maintenance practices and careful product selection.	Maintenance	ANSI/IES RP-36- 15 ANSI/IES RP-36- 20	CM
ANSI/IES TM-15-20	Luminaire Classification System for Outdoor Luminaires	Intended Audience: Designers, architects, engineers, users, general public, enivronmentalists, utilities. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM). Description: IES classification system for outdoor luminaires.	ONE/TPC	IES TM-15-11	СМ
ANSI/IES TM-25- 20(R25)	Technical Memorandum: Ray File Format for the Description of the Emission Properties of Light Sources	Intended Audience: Lighting practitioners, testing laboratories, luminaire manufacturers, lighting software developers. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM).	Computer	IES TM-25-13	СМ

Standard Designation	Collection and Title	Scope	Committee	Deprecated	ANSI Maintenance
		Updated 6/12/25 - Add standards are under ANSI Continuous Maintenance			
		Description: Standard ray file format to describe the emission properties of light sources. The ray file			
		format contains information necessary to interface between ray tracing or other optical design,			
		simulation, analysis and metrology software used in lighting applications.			
		Intended Audienze: Liebting prostitioners test labs asfeuers developers liebt source and luminairs	Computer	IFC TNA 27 14	CN4
ANSI/165 11VI-2/-	Technical Wemorandum: IES	mended Audience: Lighting practitioners, test labs, software developers, light source and luminaire	Computer	IES IIVI-27-14	CIVI
20(K25)	Standard Format for the Electronic	Individual Interest Categories: Specifier (IIS) Affected (IIA) Public Interest (IIP) Academic Research			
	Transfer of Spectral Data	(GAR) Government Regulatory (GGR) General SME (GSMF) Organizational (OM) Testing Equipment			
		Users (TEU), Testing Equipment Manufacturers (TEM).			
		Description: Electronic (XML based) data format for the transfer of spectral data. This document may be			
		used for the transfer of spectral data of optical radiation including light sources, lamps, and luminaires,			
		as well as reflectance and transmittance spectra of materials.			
ANSI/IES TM-32-24	Lighting Practice: Lighting	Intended Audience: Lighting designers, engineers, architects, software prodviders, lighting	BIM	ANSI/IES TM-32-	СМ
	Parameters for Building	manufacturers, third party developers.		19	
	Information Modeling	Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research			
		(GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM).			
		Description: IFS-recommended standardization of parameters attached to objects, object libraries, or			
		parametric features that represent luminaires for use in many different types of BIM software.			
ANSI/IES TM-33-23	Standard File Format for the	Intended Audience: Lighting practitioners, test labs, software developers, light source and luminaire	Computer	ANSI/IES TM-33-	СМ
	Electronic Transfer of Luminaire	manufacturers.	Committee	18	
	Optical Data	Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research			
		(GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment			
		Users (TEU), Testing Equipment Manufacturers (TEM).			
		Description: Electronic (XML-based) data format for the transfer of luminaire optical data useful for			
		lighting design and analysis. This document is intended as a description of a specific implementation of			
		an XML document, and is not a tutorial on the XML document format itself.			
ANSI/IFS TM-39-25	Technical Memorandum:	Intended Audience: Lighting practitioners, test labs, software developers, light source and luminaire	Vision Science		CM
	Quantification and Specification of	manufacturers.	Committee		CIVI
		Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research	committee		
		(GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment			
	Light Modulation (a.k.a. Flicker)	Users (TEU), Testing Equipment Manufacturers (TEM).			
		Description: Inis Technical Memorandum (TM) catalogs currently documented metrics and specification			
		criteria related to the human perception of periodic ILM, and summarizes existing research. It and			
		licentines a path toward an IES standard method for quantifying and specifying flicker for architectural			
ANSI/IES TM-40-24	Technical Memorandum: IES Method	Intended Audience: Lighting Practitioners, designers, architects, engineers, users, general public.	Color Committee		СМ
	for Determining Correlated Color				

Standard Designation	Collection and Title	Scope	Committee	Deprecated	ANSI Maintenance
		Updated 6/12/25 - Add standards are under ANSI Continuous Maintenance			
	Temperature (CCT) and Distance from	Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research			
	the Planckian Locus of Light Sources	(GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM).			
		Description: IES recommended method for computing the CCT and Duv of a light source, given the input of its chromaticity coordinates.			
ANSI/IES TM-41-24	Standard Format for the Electronic Transfer of Luminous Flux and Color Maintenance Data	Intended Audience: Lighting practitioners, test labs, software developers, light source and luminaire manufacturers. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM).	Computer Committee		СМ
		<u>Desciption</u> : This Technical Memorandum (TM) describes the storage and transfer file format for LM-80 maintenance test data in XML format, for solid-state light sources, such as LED packages, arrays, and modules; or laser diode packages, arrays, and modules. All required LM-80 report data items are included, as well as optional data items such as the spectral power distribution (SPD). The ordering of data elements does not follow the LM-80 report format; rather, the ordering is more data-centric, with administrative elements first, followed by device-under-test (DUT) items, test conditions, and then results.			
Part 3:	Lighting Applications	Lighting Application Collection			
ANSI/IES RP-1-24	Recommended Practice: Lighting Office Spaces	Intended Audience: Lighting Practitioners, code officials, energy management organizations, building owners/managers, the general public. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM). Description: Lighting for offices and related areas. The 2024 edition includes updates on visual glare mitigation, Visual Displays, Prediction/Assessment and High Dynamic Range Imaging, updated control	Education Library & Office Lighting Committee	ANSI/IES RP-1-20 ANSI/IES RP-1-22	СМ
		systems used in offices, and acoustic luminaires used in office spaces.			
ANSI/IES RP-2-20	Recommended Practice: Lighting Retail Spaces	Intended Audience: Designers, architects, engineers, users, general public, environmentalists, utilities. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research	Education Library & Office Lighting Committee	RP-2-17	СМ
		(GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM).			
		Description: This document emphasizes lighting quality and energy efficiency and provides an in-depth discussion of the system and the criteria essential to lighting merchandise displays in a variety of retail applications.			
ANSI/IES RP-3-20	Recommended Practice: Lighting Educational Faciities	Intended Audience: architects, engineers, lighting designers, school and university staff.	Education Library & Office Lighting	ANSI/IES RP-3-13	CM
		Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM).	Committee		
		Description: Best practices to light classrooms and corridors, the many types of spaces in grade schools, high schools, and colleges including assembly halls, theaters, wet and dry labs, trade shops for woodworking or auto repair, and social spaces such as cafeterias and student and faculty lounges			

Standard Designation	Collection and Title	Scope	Committee	Deprecated	ANSI
					Maintenance
		Updated 6/12/25 - Add standards are under ANSI Continuous Maintenance			
ANSI/IES RP-4-20	Recommended Practice: Lighting	Intended Audience: Designers, architects, engineers, users, general public, environmentalists, utilities,	Education Library &	RP-4-13	CM
	Library Spaces	library administrators, librarians, educators.	Office Lighting		
		Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research	Committee		
		(GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM).			
		Description: Best practices to light libraries and library spaces.			
ANSI/IES RP-6-24	Recommended Practice: Lighting	Intended Audience: Designers, architects, engineers, users, general public, environmentalists, utilities.	Sports and	ANSI/IES RP-6-22	CM
	Sports and Recreational Areas		Recreational Area		
		Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research	Lighting Committee		
		(GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM).			
		Description: Lighting for all classes sports facilities except professional. Changes include adding the IES-			
		DSI Five Principles for Outdoor Lighting, updates on color temperature recommendations, special event			
		lighting, stairway & aisle lighting guidance, removal of legacy light sources used, clarification for the			
		classification of play, addition of Futsal sport, enhancement for pickleball, running tracks, deletion of dog			
		racing.			
ANSI/IES RP-7-21	Recommended Practice: Lighting	Intended Audience: Lighting practitioners, industrial facility managers, luminaire manufacturers, code	Industrial Lighting	ANSI/IES RP-7-20	СМ
	Industrial Facilities	officials, utilities.	Committee		
		Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research			
		(GAR), Government, Regulatory (GGR), General Sivie (GSIVIE), Organizational (OW).			
		Description: Industrial facilities can at times be bazardous environments: special-case needs and			
		considerations should be given in general for safety, general lighting, moving components, and			
		supplemental, task, safety and emergency lighting. The primary purpose of this standard is to serve as a			
		guide and educational tool for the design of permanently installed lighting systems for industrial			
		facilities.			
ANSI/IES RP-9-23	Recommended Practice: Lighting	Intended Audience: Designers, architects, engineers, users, general public, environmentalists, utilities.	Hospitality Lighting	ANSI/IES RP-9-20	CM
	Hospitality Spaces		Committee		
		Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research			
		(GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM).			
		Description: Design of lighting systems for hotel applications. The intent of this document is to address			
		how all of the various components of hospitality lighting need to be an integrated system of layers as			
		well as uniquely represented areas of illumination.			
	Deserves and a differentiated Linksing	Intended Audience: Decigners, architects, engineers, users, general public, environmentalists, utilities	Light L Docign		CM .
ANSI/IES RP-10-20	Recommended Practice: Lighting	<u>Intended Addience.</u> Designers, architects, engineers, users, general public, environmentalists, utilities.	Committoo		CIVI
	Common Applications	Intended Interest Categories: Specifier (IIS) Affected (IIA) Public Interest (IIP) Academic Research	Committee		
		(GAR) Government Regulatory (GGR) General SME (GSME) Organizational (OM)			
		Description: Lighting design considerations and illuminance criteria for common areas, which should			
		linfluence luminaire optical selections, light source choices, and final layouts.			
ANSI/IES/ALA RP-11-	Lighting for Interior and Exterior	Intended Audience: Designers, architects, engineers, users, general public, environmentalists, utilities.	Residential Lighting	ANSI/IES RP-11-	СМ
20	Residential Environments		Committee	17	

Standard Designation	Collection and Title	Scope	Committee	Deprecated	ANSI
		Updated 6/12/25 - Add standards are under ANSI Continuous Maintenance			Wantenance
		Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM).			
		Description: Lighting design objectives, criteria for quantity and quality of illuminance, lighting methods, types and uses of equipment, energy use, and electrical code considerations for residential lighting. Various solutions that address residential lighting problems are also presented.			
ANSI/IES RP-28-20	Recommended Practice: Lighting and the Visual Environment for Older Adults and the Visually Impaired	Intended Audience: Lighting practitioners, facility managers, medical professionals, energy efficiency organizations, vison experts. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM). Description: This document is intended to increase the designers' understanding of age-related vision loss and the importance of their design decisions that could affect the safety and independence of this growing sector of the population	Lighting for Seniors and Visually Impaired Committee	ANSI/IES RP-28- 16	СМ
ANSI/IES RP-29-22	Recommended Practice: Lighting Hospital and Healthcare Facilities	Interpendence of this growing sector of the population. Intended Audience: All and inclusive of the General Public. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM). Description: The objective of this document is to provide context, define challenges, and identify recommended lighting design practices for healthcare-specific environments. This document is not prescriptive but is intended to provide guidance and to inspire by identifying possibilities that enable designers to develop the appropriate solutions for complex situations and spaces.	Healthcare Facilities Committee	ANSI/IES RP-29- 20	СМ
ANSI/IES RP-30-25	Recommended Practice: Lighting Museums	Intended Audience: Designers, architects, engineers, users, general public, environmentalists, utilities, Conservators, Museum Curators, Exhibition Designers. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM). Description: Effective exhibit and museum lighting, balancing exhibition presentation goals (enrich the visitor experience) with conservation techniques (intended to protect artifacts for appreciation by many generations to come.) The 2025 revision has new content on lighting controls, the design process, automated controls and safety, emergency requirements, assessing prior light exposure, preservation targets and risk management strategies (with examples), new tables on "just noticeable difference".	Museum & Art Gallery Lighting Committee	ANSI/IES RP-30- 17, ANSI/IES RP- 30-20	СМ
ANSI/IES RP-37-25	Recommended Practice: Lighting Airport Outdoor Environments	Intended Audience: Designers, architects, engineers, users, general public, environmentalists, utilities. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM).	Airports and Heliports Lighting Committee	ANSI/IES RP-37- 20, ANSI/IES RP- 37-22	СМ

Standard Designation	Collection and Title	Scope	Committee	Deprecated	ANSI
		Updated 6/12/25 - Add standards are under ANSI Continuous Maintenance			waintenance
		Description: Planning and design of lighting systems for "airside", some "landside", and adjacent airport areas, including apron areas for commercial use, general aviation, cargo, hangars, and remote aprons . RP-37 does not provide guidance for aeronautical ground lighting systems. The 2025 update adds new recommendations for airside apron tasks, adjacent areas, uniformity, color rendition, sloping areas, ambient lighting near runways ("control zones"), additional use of task lighting, and consideration of sustainable design.			
ANSI/IES/AVIXA RP- 38-17 (R22)	Recommended Practice: Lighting Performance for Small to Medium Sized Videoconference Rooms	Intended Audience: Designers, architects, engineers, users, general public, environmentalists, utilities. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM). Description: IES/AVIXA recommendations for lighting small-to-medium-sized videoconferencing rooms that will enhance the comfort of participants and the picture quality delivered.	Videoconference Lighting Committee	ANSI/IES RP-38- 17	СМ
ANSI/IES RP-39-19	Recommended Practice: Off- Roadway Sign Luminance	Intended Audience: Lighting practitioners, electrical engineers, architects, related people in the built environment, regulatory/code, luminaire manufacturers and trades, optical and vision experts, people in the sign industry. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM). Description: Lighting should maintain the minimum luminance required for visibility and be extinguished when no longer needed, to minimize the negative impact of glare, light trespass, sky glow, animal attraction, and driver distraction. The recommendations in this document include restrictions on maximum sign luminance; lower luminance may be desirable and appropriate, depending on the graphic content of the sign and the background luminance of the surroundings	Outdoor Environmental Lighting Committeee		СМ
ANSI/IES RP-40- 19(R24)	Recommended Practice: Lighting Port Terminals	Intended Audience: Port authorities, designers, engineers, longshoremen, public and environmentalists. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM). Description: Recommendations for the illumination of a cargo handling terminal from a permanently installed lighting system.	Port Terminals Committee	ANSI/IES RP-40- 19	СМ
ANSI/IES RP-41-20	Recommended Practice: Lighting Theaters and Worship Spaces	Intended Audience: Designers, architects, engineers, users, general public. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM). Description: Factors involved in achieving a successful, functioning space for live performances.	Assembly and Performance Lighting Committee		СМ
ANSI/IES RP-42-20	Recommended Practice: Dimming and Control Method Designations	Intended Audience: Designers, architects, engineers, users, general public. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM). Description: Standard designations for open non-proprietary dimming and control methods and protocols for luminaires (including standalone lamps) and controllers.	Lighting Control Systems Committee		СМ

Standard Designation	Collection and Title	Scope	Committee	Deprecated	ANSI Maintenance
		Updated 6/12/25 - Add standards are under ANSI Continuous Maintenance			
ANSI/IES RP-43-22	Recommended Practice: Lighting	Intended Audience: Lighting practitioners, architects, engineers, general public.	Lighting for		СМ
	Exterior Applications	Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM).	Outdoor Public Spaces		
		<u>Description</u> : Pedestrian-oriented illumination recommendations for the reassurance, safety, comfort, amenity, and enjoyment of people in outdoor environments in lighting zones LZ-1 through LZ-4.			
ANSI/IES RP-44-21	Recommended Practice: Ultraviolet Germicidal Irradiation	Intended Audience: Intended Audience: Designers, architects, engineers, users, general public.	Photobiology Committee		CM
	(UVGI)	Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM).			
		Description: Use of germicidal ultraviolet radiation for disinfection of room air and surfaces; potential dangers for humans; potential effects on materials and plants; UVGI technologies; and safety measures and precautions.			
ANSI/IES RP-45-21	Recommended Practice: Lighting Horticultural Facilities	Intended Audience: Lighting practitioners, manufacturers, agricultural, enviromental, regulators, general public. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM).	Horticulture Committee		СМ
		Description: Differences between lighting for plants as opposed to lighting for humans. This document is intended for lighting professionals who are interested in horticultural lighting for greenhouses, indoor farms, and building atria.			
ANSI/IES RP-46-23	Recommended Practice: Supporting the Physiological and Behavioral Effects of Lighting in Interior Daytime Environments	Intended Audience: Lighting practitioners, architects, engineers, general public. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM). Description: This Recommended Practice (RP) is the implementation companion to IES TM-18-18 Light and Human Health: An Overview of the Impact of Optical Radiation on Visual, Circadian, Neuroendocrine, and Neurobehavioral Responses in that it provides recommendations for translation of the basic science of how light affects visual, circadian, neuroendocrine, and neurobehavioral responses in daytime interior environments, such as those found in schools and offices.	Light & Human Health		СМ
ANSI/IES RP-47-23	Recommended Practice: Landscape Lighting	Intended Audience: Lighting practitioners, manufacturers, agricultural, enviromental, regulators, general public. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM). Description: Planning and implementation of landscape lighting designs, including safety and security issues, creating a more comfortable and navigable environment in order to work with nature's intrinsic darkness as an element to be combined with light.	Landscape Lighting		СМ
ANSI/IES TM-24-20	Technical Memorandum: An Optional Method for Adjusting the	Intended Audience: Designers, architects, engineers, users, general public, environmentalists, utilities.	Vision Science Committee	TM-24-13	СМ

Standard Designation	Collection and Title	Scope	Committee	Deprecated	ANSI Maintenance
		Updated 6/12/25 - Add standards are under ANSI Continuous Maintenance			
	Recommended Illuminance for Visually Demanding Tasks within IES Illuminance Categories P through Y Based on Light Source	Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM). Description: Fundamentals of visual efficiency, defines the EVE calculation method, and addresses practical concerns for implementation	-		
Part 4:	Lighting Measurement and Testing Documents	Testing & Measurement Collection			
ANSI/IES LM-9- 20(R23) Approved Method: Electr Photometric Measureme Fluorescent Lamps	Approved Method: Electrical and Photometric Measurement of Fluorescent Lamps	Intended Audience: Lighting practitioners, testing labs, luminaire manufacturers. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM).	Testing Procedures Committee	ANSI/IES LM-9- 20	СМ
		Description: Procedures to be followed and the precautions to be observed in order to obtain uniform and reproducible measurements of the electrical and photometric characteristics of fluorescent lamps under standard conditions in 60 Hz, alternating current circuits and under high frequency conditions (reference high frequency circuits are operated at 25 kHz).			
ANSI/IES LM-10- 20(R23)	Approved Method: Photometric Testing of Roadway and Area Lighting Fluorescent Luminaires	Intended Audience: Lighting practitioners, testing labs, luminaire manufacturers. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM).	Testing Procedures Committee	ANSI/IES LM-10- 20	СМ
		<u>Description:</u> This guide defines adequate and uniform methods for measuring and reporting the photometric characteristics of roadway and area lighting fluorescent luminaires and some components, as well as the requirements for the thermal environment and proper control of the electrical and mechanical systems involved.			
ANSI/IES LM-11- 20(R23)	Aproved Method: Photometric Measurement of Searchlights	Intended Audience: Lighting practitioners, testing labs, luminaire manufacturers. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM).	Testing Procedures Committee	ANSI/IES LM-11- 20	СМ
		<u>Description</u> : This Approved Method applies to lighting equipment having a total field angle of less than ten degrees, including equipment in which light is controlled by reflectors, lenses, or their combinations. The document applies to projectors with a variety of light sources, including tungsten filament, tungsten- halogen, and high-intensity discharge lamps.			
ANSI/IES LM-20-20	Approved Method: Photometry of Reflector Type Lamps	Intended Audience: Lighting practitioners, testing labs, luminaire manufacturers. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM).	Testing Procedures Committee		СМ
		Description: Photometric testing procedures and reporting guidelines for reflector type lamps and LED based lamps that mimic this traditional style of lamp. The application of the described procedures and guidelines will improve reproducibility within a laboratory, and will improve measurement agreement and facilitate comparison of results between laboratories.			

Standard Designation	Collection and Title	Scope	Committee	Deprecated	ANSI Maintenance
		Updated 6/12/25 - Add standards are under ANSI Continuous Maintenance			
ANSI/IES LM-28-20	Approved Method: Guide for the Selection, Care and Use of Electrical Instruments in the Photometric Laboratory	Intended Audience: Lighting practitioners, testing labs, luminaire manufacturers. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM).	Testing Procedures IES LM-28- Committee	IES LM-28-12	СМ
		Description: Terms used to define instrument capabilities for electrical quantities, angular positioning, optical radiation detectors, airflow, and temperature; as well as what should be observed when selecting, maintaining, and using measuring instruments in the photometric laboratory all while maintaining appropriate levels of uncertainty.			
ANSI/IES LM-31- 20(R23)	Approved Method: Photometric Testing for Roadway Luminaires-LED	Intended Audience: Lighting practitioners, testing labs, luminaire manufacturers. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM).	Testing Procedures Committee	ANSI/IES LM-31- 20	СМ
		Description: This guide defines adequate and uniform methods for measuring and reporting the photometric characteristics of roadway and area lighting luminaires using incandescent filament or high intensity discharge lamps. Identify characteristics of luminaires and some components, as well as the requirements for the thermal environment and proper control of the electrical and mechanical systems involved.			
ANSI/IES LM-35- 20(R23)	Approved Method: Photometric Testing of Floodlighting for HID or Incandescent Lamps	Intended Audience: Lighting practitioners, testing labs, luminaire manufacturers. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM). Description: How to promote uniformity in the measuring and reporting of the optical performance of floodlights and similar luminaires having a field angle equal to or greater than 10 degrees inany cross	Testing Procedures Committee	ANSI/IES LM-35- 20	CM
ANSI/IES LM-37-20	Approved Method: Guide for Determination of Average Luminance (Calculated) for Indoor Luminaires	Intended Audience: Lighting practitioners, testing lab personnel, luminaire manufacturers. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM). Description: Calculate average luminance for all commercially available sources, and IES-approved techniques for relative and absolute photometry.	Testing Procedures Committee	IES LM-37-16	СМ
ANSI/IES LM-40- 20(R23)	Approved Method: Life Testing of Fluorescent Lamps	Intended Audience: Manufacturer of products, educators, professional associations, researchers, testing labs. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM).	Testing Procedures Committee	ANSI/IES LM-40- 20	СМ

Standard Designation	Collection and Title	Scope	Committee	Deprecated	ANSI Maintenance
		Updated 6/12/25 - Add standards are under ANSI Continuous Maintenance			
		Description: Procedures by which all fluorescent lamps can be operated under controlled conditions to obtain uniform and reproducible measurements and comparable data on individual lamp life, changes in light output, and other parameters that vary during the life of the lamp.			
ANSI/IES LM-41- 20(R23)	Approved Method: Photometric Testing of Indoor Fluorescent Luminaires	Intended Audience: Lighting practitioners, testing labs, luminaire manufacturers. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM). Description: Evaluate the performance of fluorescent luminaires for general lighting. Uniform methods for determining and reporting the photometric characteristics of indoor fluorescent luminaires, as well as general test conditions and the testing procedure best suited for achieving accurate and consistent photometric results.	Testing Procedures Committee	ANSI/IES LM-41- 20	СМ
ANSI/IES LM-45- 20(R23)	Approved Method: Electrical and Photometric Measurements of General Service Incandescent Filament Lamps	Intended Audience: Lighting practitioners, testing labs, luminaire manufacturers. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM). Description: Procedures necessary to obtain uniform and reproducible measurements of the electrical and photometric characteristics of general service incandescent filament lamps under standard conditions.	Testing Procedures Committee	ANSI/IES LM-45- 20	СМ
ANSI/IES LM-46- 20(R23)	Approved Method: Photometric Testing of Indoor Luminaires Using HID or Incandescent Filament Lamps	Intended Audience: Designers, Engineers, users, specifiers and test labs Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM). Description: Intended to promote uniform test results as obtained under controlled laboratory conditions in measuring the luminous flux and intensity of high intensity discharge (HID) and incandescent indoor-type luminaires. This includes the photometry of luminaires with high intensity discharge (HID) lamps, including mercury vapor, high-pressure sodium (HPS), or metal halide lamps, as well as similar luminaire types employing incandescent lamps, including tungsten-halogen lamps.	Testing Procedures Committee	ANSI/IES LM-46- 20	СМ
ANSI/IES LM-47- 20(R23)	Approved Method: Life Testing of High Intensity Discharge (HID) Lamps	Intended Audience: Manufactures, regulators, utilities Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM). Description: Procedures to be followed and the precautions to be observed in obtaining uniform and reproducible measurements during life testing of high intensity discharge lamps under standard conditions. This method also applies to other technologies within the metal halide family including ceramic metal halide and pulse start metal halide lamps, and addresses life testing of high intensity discharge lamps operated on auxiliary devices, either external or integrated, designed and certified to meet lamp industry standards and tolerance.	Testing Procedures Committee	ANSI/IES LM-47- 20	СМ
ANSI/IES LM-48-20	Approved Method: Testing Calibration of Locking Type Photoelectric Control	Intended Audience: Lighting practitioners, electrical engineers, luminaire/control manufacturers, luminaire testing laboratories	Testing Procedures Committee		СМ

Standard Designation	Collection and Title	Scope	Committee	Deprecated	ANSI Maintenance
		Updated 6/12/25 - Add standards are under ANSI Continuous Maintenance			Wantenance
	Devices	Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM).			
		Description: Procedures and test equipment by which photoelectric control devices can be tested to obtain accurate, optimally comparable data. This document also covers the system aspects that need to be understood to calibrate light sensitive control devices used in roadway and outdoor area lighting.			
ANSI/IES LM-49- 20(R23)	Approved Method: Life Testing of Incandescent Filament Lamps	Intended Audience: Lighting practitioners, electrical engineers, luminaire/control manufacturers, luminaire testing laboratories Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM).	Testing Procedures Committee	ANSI/IES LM-49- 20	СМ
		Description: Procedures to be followed and the precautions to be observed in obtaining uniform and reproducible measurements during life testing of incandescent filament lamps under standard conditions. This document covers general service incandescent lamps, tungsten-halogen lamps, series airport markers, and street lighting lamps.			
ANSI/IES LM-51- 20(R23)	Approved Method: Electrical and Photometric Measurement of High Intensity Discharge Lamps	Intended Audience: Lighting practitioners, electrical engineers, luminaire/control manufacturers, luminaire testing laboratories Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM). Description: Procedures to be followed and the precautions to be observed in obtaining uniform and reproducible measurements of the electrical and photometric characteristics of high intensity discharge (HID) lamps under standard conditions in alternating current (AC) circuits at 60 Hz. The HID lamps covered by this Approved Method include the lamp groups commonly known as mercury vapor, metal halide, and high pressure sodium used in general lighting applications.	Testing Procedures Committee	ANSI/IES LM-51- 20	СМ
ANSI/IES LM-54-20	Approved Method: Guide to Lamp Seasoning	Intended Audience: Lighting practitioners, electrical engineers, luminaire/control manufacturers, luminaire testing laboratories. Intended Interest Categories: Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM). Description: This document will provide clear recommendations and requirements on procedures for seasoning of lamps to attain a state of sufficient stability for reproducible measurement of initial photometric, colorimetric, and/or electrical characteristics.	Testing Procedures Committee	IES LM-54-12	СМ
ANSI/IES LM-58-20	Approved Method:	Intended Audience: Test measurement staff & instrument manufacturers	Testing Procedures	IES LM-58-13	СМ

Standard Designation	Collection and Title	Scope	Committee	Deprecated	ANSI
		Updated 6/12/25 - Add standards are under ANSI Continuous Maintenance			Maintenance
	Spectroradiometric Measurement Methods for Light Sources	Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM). Description: In evaluating the color performance of light sources, there are two factors to be considered: the light source color appearance and ts color rendering ability. Requirements and	Committee		
		recommendations of the instruments and procedures for spectroradiometric measurements; including those of color performance, spectral irradiance, spectral radiance, and spectral total radiant flux, either in relative or absolute units. The spectral range is from approximately 200 nm to 1,700 nm, where the characterization of light from light sources, visual displays, and light emitting diodes is most commonly done. While this document does not provide in-depth detail on every subject, it does direct the user to references that completely describe the concepts.			
ANSI/IES LM-61- 20(R23)	Approved Method: Identifying Operating Factors for Installed High Intensity Discharge Luminaires	Intended Audience: Lighitng practitioners, testing labs, luminaire manufacturers Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM). Description: Measuring luminaires in the field varies greatly from the control of testing in a laboratory. Factors that can cause differences between calculated and measured illuminance and luminaires. of outdoor high intensity discharge (HID) and low pressure sodium (LPS) lamps and luminaires.	Testing Procedures Committee	ANSI/IES LM-61- 20	СМ
ANSI/IES LM-62- 23(R23)	Approved Method: Laboratory or Field Thermal Measurements of Fluorescent Lamps and Ballasts in Luminaires	Intended Audience: Lighting practitioners, testing labs, luminaire manufacturers. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM). Description: Meant for luminaire designers and manufacturers to use in improving equipment performance, this guide aids the designer when measuring operating temperature of lamps and ballasts in luminaires under either laboratory or field conditions	Testing Procedures Committee	ANSI/IES LM-62- 20	СМ
ANSI/IES LM-63-19	Technical Memorandum: Ray File Format for the Description of the Emission Properties of Light Sources	Intended Audience: LED lamp, light engine and luminaire manufacturers, Independent test labs, Lighting Designers and Lighting Specifiers, Standardization Bodies, Government program specifiers, Lighting software manufacturers. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM). Description: Standard IES data system and how to build a file using this system. It also addresses photometric data file formats specifically for data transfer, data storage and retrieval, and other data usage nurroses.	Computer	ANSI/IES LM-63- 02(R08)	СМ
ANSI/IES LM-65-	Approved Method: Life Testing of	Intended Audience: Lighting practitioners, testing labs, luminaire manufacturers	Testing Procedures	ANSI/IES LM-65-	СМ

Standard Designation	Collection and Title	Scope	Committee	Deprecated	ANSI
					Maintenance
		Updated 6/12/25 - Add standards are under ANSI Continuous Maintenance			
20(R23)	Single-Based Fluorescent Lamps	Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM).	Committee	20	
		Description: IES-approved method to obtain uniform and reproducible life test measurements of single- based compact fluorescent lamps and integrated electrodeless fluorescent lamps under standard conditions when operating on alternating current (AC) circuits.			
ANSI/IES LM-66-	Approved Method: Electrical and	Intended Audience: Lighting practitioners, testing labs, luminaire manufacturers.	Testing Procedures	LM-66-14	CM
20(R23)	Photometric Measurements of Single- Based Fluorescent Lamp	Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM).	Committee	ANSI IES LM-66- 20	
		Description: IES-approved procedures to be followed and the precautions to be observed in order to obtain uniform and reproducible measurements of the electrical and photometric characteristics of both integrated and non-integrated single-based compact fluorescent lamps, and integrated electrodeless lamps, under standard conditions in alternating current (AC) circuits (both line- and high-frequency).			
ANSI/IES LM-72-20	Approved Method: Directional	Intended Audience: Lighting practitioners, test labs, luminaire manufacturers	Testing Procedures	IES LM-72-	CM
	Positioning of Photometric Data	Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM).	Committee	97(R10)	
		Description: Intended for use by both the providers and users of lighting software, this standard outlines unambiguously and consistently specify how photometric data is to be "rotated" before it is used. This document assigns specific, standard meaning to certain words.			
ANSI/IES LM-73-	Approved Method: Photometric	Intended Audience: Luminaire manufacturers, testing labs, entertainment organizations and equipment	Testing Procedures	ANSI/IES LM-73-	СМ
18(R23)	Testing of Entertainment Luminaires	manufacturers, lighting practitioners	Committee	18, ANSI/IES LM-	
	Using Incandescent Filament Lamps or High Intensity Discharge Lamps	Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM).		73-20	
		Description: Entertainment lighting luminaires usually have much			
		narrower beam spreads than other luminaires. This Approved Method describes a standard procedure			
		by which entertainment lighting luminaires, specifically designed for use in the theater, TV environment, film studios, or on-location shoots, can be measured.			
ANSI/IES LM-75-19	Approved Method: Goniophotometer Types and Photometric Coordinates	Intended Audience: Luminaire manufacturers, testing labs, entertainment organizations and equipment manufacturers, lighting practitioners Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM).	Testing Procedures Committee	IES LM-75- 01(R12)	СМ

Standard Designation	Collection and Title	Scope	Committee	Deprecated	ANSI
		Updated 6/12/25 - Add standards are under ANSI Continuous Maintenance			waintenance
		<u>Description</u> : IES-approved definitions of spherical coordinate systems and goniophotometer types used to measure light sources. The operating principles behind each type of goniophotometer are addressed, and a general guideto goniophotometer calibration, stray light elimination, and stray light correction is presented.			
ANSI/IES LM-77-20	Approved Method: Intensity Distribution Measurement of Luminaires and Lamps Using Digital Screen Imaging Photometry	Intended Audience: Luminaire manufacturers, testing labs, entertainment organizations and equipment manufacturers, lighting practitioners Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM).	Testing Procedures Committee	IES LM-77-09	СМ
		<u>Description:</u> Measurement procedures for the determination of the luminous intensity distribution of certain lamps and luminaires, using a digital camera to capture the projected light distribution from a luminaire onto a screen.			
ANSI/IES LM-78-20	Approved Method: Total Luminous Flux Measurement of Lamps using an Integrating Sphere Photometer	Intended Audience: General Public and lighting testing laboratories Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM).	Testing Procedures Committee	IES LM-78-17	СМ
		Description: Technique for total flux measurement of all types of lamps and luminaires using integrating spheres. The main improvement in this document compared to the previous edition is the addition of spectral measurements.			
ANSI/IES LM-79-24	Approved Method: Electrical and Photometric Measurements of Solid State Lighting Products	Intended Audience: Manufacturers, testing laboratories, end users Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM). Description: Procedures to be followed and precautions to be observed in performing reproducible accurate measurements of total luminous, radiant, or photon flux; electrical power; system efficacy; luminous, radiant, or photon intensity distribution; and color quantities and/or spectrum of solid-state lighting (SSL) products for illumination purposes, under standard conditions. Changes have been made in this new edition to replace Annex A - Airflow Considerations for Testing SSL Products, Annex C - Power Supply Resistance and Inductance Dependency, plus changes for spectral	Testing Procedures Committee	ANSI/IES LM-79- 19	СМ
ANSI/IFS M-80-21	Approved Methods Measuring	testing, an updated test report outline.	Testing Procedures	ANSI/IES I M-80-	CM
	Maintenance of Light Output Characteristics of Solid-State Light Sources	Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM).	Committee	20	

Standard Designation	Collection and Title	Scope	Committee	Deprecated	ANSI Maintenance
		Updated 6/12/25 - Add standards are under ANSI Continuous Maintenance			
		<u>Description</u> : This Approved Method provides the methods for measurement of flux maintenance, including luminous, radiant, and photon flux. It also provides methods for measurement of spectrum- dependent characteristic maintenance, including changes in chromaticity coordinates, peak wavelength, dominant wavelength, or centroid wavelength versus time. The maintenance characteristics are measured under controlled conditions that may allow direct comparison of results obtained at different laboratories.			
ANSI/IES LM-81- 20(R23)	Approved Method: Photometric Testing of Skylights and Tubular Daylighting Devices Under Hemispheric Sky Conditions	Intended Audience: Lighting practitioners, testing labs, luminaire manufacturers Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM). Description: IES recommended uniform method for determining and reporting the photometric characteristics of skylights and tubular daylighting devices that incorporate a means to diffuse the natural hemispherical daylight as the daylight passes through the daylighting system. LM-81 describes the procedures followed and the precautions observed in obtaining uniform and reproducible	Testing Procedures ANSI/IES LM-81- Committee 20	CM	
	Approved Method:	measurements of tubular daylighting devices and skylights with glass or plastic glazing; as well as identifying the components and the structure type needed to adequately measure daylighting devices. The procedures, calibration of the equipment, and determination of sun angles and sky conditions are also discussed.	Testing Procedures	I M-82-12	CM
ANSI/IES LM-82-20	Approved Method: Characterization of LED Light Engines and LED Lamps for Electrical and Photometric Properties as a Function of	Intended Addrence, Manufacturers, testing addratones, end dsers Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM). Description: This document establishes consistent methods of measurement and data presentation for	Committee		
	Temperature	ease of interpretation and comparison, which will assist luminaire manufacturers in selecting suitable LED light engines and integrated LED lamps for each luminaire product. This approved laboratory method defines the procedures to measure optical and electrical properties as a function of temperature of LED light engines and integrated LED lamps			
ANSI/IES LM-83-23	Approved Method: IES Spatial Daylight Autonomy (sDA) and Annual Sunlight Exposure (ASE)	Intended Audience: Manufacturers, testing laboratories, end users Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM). Description: Two annual daylight performance metrics: spatial Daylight Autonomy (sDA) and Annual Sunlight Exposure (ASE). Both metrics are generated via a similar computer-based simulation	Testing Procedures Committee	IES LM-83-12	ICM
ANSI/IES LM-84-20	Annroved Method: Measuring	architectural space. Intended Audience: Acreditation bodies, manufacturers, specifiers, laboratories, governmental agencies.	Testing Procedures	IES LM-84-14	СМ
		efficiency programs.	Committee		

Standard Designation	Collection and Title	Scope	Committee	Deprecated	ANSI Maintenance
		Updated 6/12/25 - Add standards are under ANSI Continuous Maintenance			
	Maintenance of LED Lamps, Light Engines, and Luminaires	Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM).			
		Description: IES-approved method for measuring the luminous, radiant, and/or photon flux, as well as chromaticity and other spectral properties over time. This method applies to LED lamps, LED light engines, LED luminaires, OLED light engines, and OLED luminaires.			
ANSI/IES LM-85-23	Approved Method: Optical and Electrical Measurements of LED Sources	Intended Audience: LED manufacturers, SSL product manufacturers, Testing equipment manufacturers, Testing and calibration labs, Lighting designers and lighting specifiers, End users, Standards bodies, Regulators Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM).	Testing Procedures Committee	ANSI/IES LM-85- 20	СМ
		Description: Procedures for optical and electrical measurements of LED sources, including both white and			
ANSI/IES LM-86- 20(R23)	Approved Method: Measuring Luminous Flux and Color Maintenance of Remote Phosphor Components	Intended Audience: LED manufacturers, SSL product manufacturers, Testing equipment manufacturers, Testing and calibration labs, Lighting designers and lighting specifiers, End users, Standards bodies, Regulators Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM).	Testing Procedures Committee	ANSI/IES LM-86- 20	СМ
		Description: The first standard to address remote phosphor technologies. This Lighting Measurement (LM) document addresses the test method for measuring degradation behavior of the remote phosphor component, as well as an alternative method, whereby the separable remote phosphor component can be tested.			
ANSI/IES LM-88- 18(R23)	Approved Method: Optical and Electrical Measurements of AC-LED Packages and Arrays or Modules	Intended Audience: LED Manufacturers, SSL luminaire and system manufacturers, Testing laboratories, LED Users. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM).	Testing Procedures Committee	ANSI/IES LM-88- 18	СМ
		electrical measurements of AC-LEDs for total luminous flux, total radiant flux, total photon flux, color characteristics, electrical voltage, current, and power. This approved method applies to AC-LED packages, remote-phosphor AC-LED packages, AC-LED arrays or modules, and remote-phosphor AC-LED arrays or modules.			
ANSI/IES LM-90-20	Approved Method: Measuring Luminous Flux Waveforms for Use in Temporal Light Artifact (TLA) Calculations	Intended Audience: All including the General Public and lighting testing laboratories Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM).	Testing Procedures Committee		СМ

Standard Designation	Collection and Title	Scope	Committee	Deprecated	ANSI
					Maintenance
		Updated 6/12/25 - Add standards are under ANSI Continuous Maintenance			
		Description: Measurement, equipment requirements, and formulation of luminous flux waveforms for			
		use in the calculations of temporal light artifact (TLA) under standard conditions from light sources.			
ANSI/IES LM-91-22	Approved Method: Application	Intended Audience: All including the General Public, lighting test labs.	Testing Procedures		СМ
	Distance Radiometry	Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research	Committee		
		(GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment			
		Users (TEU), Testing Equipment Manufacturers (TEM).			
		<u>Description</u> : Measuring illuminance, irradiance, and/or photon flux density at multiple points on a plane			
ANSI/IES/ILIVA I M-92-	Approved Method: Electrical and	at a specific application distance.	Testing Procedures		CM
22	Optical Measurements of Ultraviolet	Intended Interest Cotogories: Cocoifier (UC). Affected (UA). Dublic Interest (UD). Academic Desserve	Committee		CIVI
	LEDs	Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research	committee		
		(GAR), Government, Regulatory (GGR), General Sivie (GSME), Organizational (OM), Testing Equipment			
		Description: Procedures to be followed and precautions to be observed in performing measurements of			
		total radiant flux (total radiant power), electrical power, and wavelength characteristics of ultraviolet			
		(UV) light emitting diodes (LEDs). This document covers measurement of UV LEDs in the wavelength			
		range of 200 nm to 400 nm under continuous-pulse operation.			
ANSI/IES LM-93-22	Approved Method: Optical and	Intended Audience: Lighting practitioners, luminaire manufacturers, LED light source manufacturers, light	Testing Procedures		CM
	Electrical Measurements of Far UV-C	laboratories, energy efficiency organizations.	Committee		
	Excimer Sources	Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research			
		(GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment			
		Users (TEU), Testing Equipment Manufacturers (TEM).			
		Description: Specific measurement challenges and characteristics of far LIV-C optical radiation sources			
		This method focuses on the application-relevant			
		data such as electrical, irradiance, spectral distribution, and angular distribution of the optical radiation			
		source, including the driver, in order to to measure total output power in the far UV-C range.			
ANSI/IES TM-21-21	Technical Memorandum:	Intended Audience: Lighting practitioners, luminaire manufacturers, LED light source manufacturers, light	Testing Procedures	TM-21-11	СМ
	Projecting Long Term Lumen,	laboratories, energy efficiency organizations.	Committee		
	Photon, and Radiant Flux	Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research			
	Maintonanco of LED Light	(GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment			
		Users (TEU), Testing Equipment Manufacturers (TEM).			
	Sources	Description: IES-approved recommendations for projecting flux maintenance of LED light sources using			
		data obtained when testing them per ANSI/IES LM-80			
ANSI/IES TM-26-	Technical Memorandum: Projecting	Intended Audience: Lighting practitioners, testing labs, luminaire manufacturers.	Testing Procedures	ANSI/IES TM-26-	СМ
20(R23)	Catastrophic Failure Rate of LED	Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research	Committee	20	
	Packages	(GAR). Government, Regulatory (GGR). General SME (GSME). Organizational (OM). Testing Equipment			
		Users (TEU), Testing Equipment Manufacturers (TEM).			
		Description: Three methodologies for projecting the catastrophic failure rate of LED packages.			

Standard Designation	Collection and Title	Scope	Committee	Deprecated	ANSI Maintenance
		Updated 6/12/25 - Add standards are under ANSI Continuous Maintenance			Maintenance
ANSI/IES TM-28-20	Technical Memorandum: Projecting Long-Term	Intended Audience: Testing laboratories, energy efficiency organizations and regulators, manufacturers of lighting products, lighting specifiers.	Testing Procedures Committee	IES TM-28-14	СМ
	Luminous Flux Maintenance of LED Lamps and Luminaires	(GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM).			
		<u>Description:</u> Sampling, test intervals and duration, and a method for long term luminous flux maintenance projection for LED lamps and luminaires. The intent is to help product manufacturers and users, standards developing bodies, and other organizations to avoid any unnecessary burdens related to excessive product testing.			
ANSI/IES TM-31-20	Luminaire Classification System for Outdoor Luminaires	Intended Audience: Testing laboratories, energy efficiency organizations and regulators, manufacturers of lighting products, lighting specifiers. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM). Description: A common approach to the uncertainty analysis for calibration of lumen measuring equipment (integrating spheres) with standard incandescent lamps, including halogen, that have been assigned values of total luminous flux and/or total spectral radiant flux.	Testing Procedures Committee	IES TM-30-15	CM
ANSI/IES TM-35-19- (R25)	Technical Memorandum: Projecting Long-Term Chromaticity Coordinate Shift of LED Packages, Arrays, and Modules	Intended Audience: Testing laboratories, energy efficiency organizations and regulators, manufacturers of lighting products, lighting specifiers. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM). Description: IES-approved recommendations for projecting long-term chromaticity coordinate stability of LED light sources using data obtained per ANSI/IES LM-80-15, Approved Method: Measuring Luminous Flux and Color Maintenance of LED Packages, Arrays, and Modules.	Testing Procedures Committee	ANSI/IES TM-35- 19	СМ
ANSI/IES TM-38-21	Technical Memorandum: Photometric and Electrical Measurements of Tunable-White Solid-State Lighitng Products	Intended Audience: Lighting manufacturers; testing laboratories; accreditation bodies; lighting designers and specifiers; utility incentive programs; program specifiers or regulators - examples include the ENERGY STAR program, Design Lights Consortium, LED Lighting Facts, California Energy Commission, and other Consortium Programs that may opt to use this document. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM). Description: Protocol for measuring photometric, colorimetric, and electrical characteristics of tunable-white solid-state lighting products - including lamps, luminaires, and light engines - as covered by ANSI/IES LM-79-19. This protocol applies to products for which the spectral power distribution can be adjusted with a single one-dimensional input having a quantitative, interval format, either continuous or discrete, that is nominally independent of flux control.	Testing Procedures Committee		СМ
ANSI/IES LM-98-24	Approved Method: Measuring In-Situ Temperature of Solid-State	Intended Audience: Testing laboratories, energy efficiency organizations and regulators, manufacturers of lighting products, lighitng specifiers.	Testing Procedures Committee		СМ

Standard Designation	Collection and Title	Scope	Committee	Deprecated	ANSI
					Maintenance
		Updated 6/12/25 - Add standards are under ANSI Continuous Maintenance			
	Lighting Components in Lamps and Luminaires	Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM).			
		Description: How to obtain and reproduce in-situ temperature of SSL component measurements under standard operating conditions.			
Part 5:	Recommended Practice: Roadway				
ANSI/IES RP-8-25	Recommended Practice: Design and Maintenance of Roadway and Parking Facility Lighting	Intended Audience: Engineers, Designers, Manufacturers, Municipalities, End Users, DOTs, Architects, Utilities, Environmentalists, Regulatory Groups, Energy Groups, Rdwy Maint. Orgs, Electrical Contractors, General Public. Intended Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM). Description: This Recommended Practice is a compilation of lighting design techniques and criteria, all offered for quality roadway lighting solutions. This update has updates for LLF, luminance vs. illuminance, calculation precision, obtrusive light definitions & guidance, glare sources, sky glow, alleyways, bike, buffer & shared road/path definitions, cul-de-sacs, roundabouts, crosswalks, and EV charging stations.	Roadway Lighting Committee	ANSI/IES RP-8- 20, ANSI/IES RP- 28-21, ANSI/IES RP-8-22	СМ