

Minutes
Photometrics Working Group
15:00 to 18:00 PDT (UTC – 7 hours)
3 June 2022
Wyndham Anaheim and WebEx

Chairpersons:

Jerry Gorrell; Theatre Safety Programs; P; U

Recording secretaries:

Karl Ruling and Richard Nix (ESTA)

Attendees:

Huang Qiancheng; Guangzhou Haoyang Electronic Co., Ltd.; O; CP
Justin Bennett; University of the Incarnate Word; P; U
Mark Primrose; CHAUVET & Sons Inc.; P; MP
Michael Lay; Candela Controls, Inc; P; DR
Mike Wood; Mike Wood Consulting LLC; P; G
Steven J. Rust; Theatre Projects Consultants, Inc.; O; DE
Tucker Downs; ROE Visual USA; P; MP
Wendy Luedtke; Electronic Theatre Controls, Inc.; P; MP

1 Opening Remarks

Jerry Gorrell began the meeting at 15:03 by immediately reading the ESTA declarations.

2 ESTA declarations

2.1 Call for patents

Jerry Gorrell read the following statement aloud to the working group:

ESTA intends not to publish any standard that contains protected intellectual property, unless that information can be licensed by anyone for a reasonable fee. ESTA uses a process of open patent and copyright disclosures to implement its intent. ESTA does not conduct patent or copyright searches and does not warrant that its standards contain no protected intellectual property.

In keeping with the open disclosures policy, I ask if anyone present wishes to notify this working group of the existence of a patent, patent application, copyright, or other intellectual property that might protect material in a standard being developed by this working group. You need not be the holder of the patent or copyright to notify this working group of its existence.

Karl Ruling displayed a copy of the easy-to-read pamphlet to all attendees, both online and in the room.

2.2 Reading of the anti-trust statement

Jerry Gorrell read the following statement aloud to the working group:

ESTA and its members take seriously their obligation to comply with all applicable antitrust laws. Therefore, during this meeting and during all ESTA events, all discussions will be limited to those subjects that are permitted by the antitrust laws. All members should refrain from any discussion or mention of competitively sensitive subjects such as the current or future prices charged for any member product or services, current or future marketing plans or strategies, and current or future costs, including employee salaries. There also must be no agreement on the suppliers or customers that members will or will not do business with or the markets in which members will conduct business.

Violations of the antitrust laws can have serious consequences. If you have any questions or concerns about anything that is discussed at a ESTA meeting, please bring your concern to ESTA management. An easy to read pamphlet describing the antitrust laws is available from the ESTA staff.

Nothing was revealed.

3 Attendance and membership

3.1 Requirements for membership

Jerry Gorrell read the following statement aloud to the working group:

Membership is open to all who are affected by the work of the group. Voters who would be in the designer or

dealer/rental company interest category in particular are encouraged to become members. There is an annual \$100 participation fee for all members. Voting members are required to attend meetings and to vote on letter ballots. Voting members and their alternates may not miss three consecutive meetings or three consecutive letter ballots without a loss of voting status.

3.2 Introductions of attendees

Everyone introduced themselves.

3.3 Determination of quorum

As of 5 May 2022 there are 11 voting members. A quorum is four, a supermajority is six (after today's actions, 14, five, and six, respectively).

Richard Nix confirmed that we had a supermajority present.

3.4 Processing of new membership and status change requests

As of Cinco de Mayo, one application was on file:

Tucker Downs; ROE Visual USA; P; MP (removing Tucker Downs as an individual)

Steve Rust (change of voting status)

Huang Qiancheng (change of voting status)

Mike Wood moved to approve the applications and status change request. The motion was seconded and carried without objection or abstention.

3.5 Changes to observer status due to lack of participation

None.

3.6 The consensus body, as of 03 June 2022, after all changes effected by meeting action:

Delegate	Representing	Voting status	Int. cat.
Michael Lay	Candela Controls, Inc	P	DR
Mark Primrose	Chauvet & Sons Inc.	P	MP
Jim Bogdanowicz	Chauvet & Sons Inc.	A	MP
Wendy Luedtke	Electronic Theatre Controls, Inc.	P	MP
Huang Qiancheng	Guangzhou Haoyang Electronic Co., Ltd.	P	CP
Hans Lau	I.A.T.S.E. Local 728	P	U
Matthew Ardine	I.A.T.S.E. Local 728	A	U
Mike Wood	Mike Wood Consulting LLC	P	G
John David (Javid) Butler	HDR Consulting LLC	P	DE
Tucker Downs	ROE Visual USA	P	MP
Jason Osterman	SGM	P	MP
Mitch Hefter	Signify	P	MP
Steve Rust	Theatre Projects Consultants, Inc.	P	DE
Jerry Gorrell	Theatre Safety Programs	P	U
Karl G. Ruling	Unit 12 Productions	I	DE
Justin Bennett	University of the Incarnate Word	P	U
	Total votes possible	14	
	Votes by interest category	1	CP
		5	MP
		3	DE

		1	DR
		1	G
		3	U

4 Approval of the minutes from the last meeting

See PHmin01-2022_DRAFT.pdf

Mike Wood moved to approve the applications and status change request. The motion was seconded and carried without objection or abstention.

5 Approval of agenda

Tucker Downs asked to have the agenda item for E1.76 moved to an earlier slot because of time commitments.

He then moved to approve the agenda as amended. The motion was seconded and carried without objection or abstention.

6 Old Business

6.1 BSR E1.75, Guidelines for the measurement and reporting of luminaire spectral power/absorbance for the entertainment industry

Progress report.

Tucker Downs reported that there has been a lot of discussion about implementation of this standard, particularly with Wendy Leudtke and her colleagues at ETC. Wendy Leudtke reported that questions are particularly about the purpose of the data that might be collected. She says that ETC staff thinks answering this would require the CPWG to explain what the purpose is. The feeling is that there is no point in writing a standard that isn't useful. She said this particular standard could become a discrete component of what CPWG is doing with fixture profile formats, and said she had an extensive list of questions for CPWG.

Michael Lay offered to facilitate a collaboration meeting with the CPWG participants who are working on the project. Wendy said she thought the first step is for her and Tucker to meet and review the talking points, then reach out to CPWG when they are ready.

6.2 ANSI E1.9 – 2007 (R2017), Reporting Photometric Performance Data for Luminaires Used in Entertainment Lighting

Revision, reaffirmation, or withdrawal by 2 November 2022.

Karl Ruling moved to reaffirm the standard, with the letter ballot following the close of public review. The motion was seconded and carried without objection or abstention. A public review will commence.

6.3 ANSI E1.25 – 2012 (R2017), Recommended Basic Conditions For Measuring The Photometric Output Of Stage And Studio Luminaires By Measuring Illumination Levels Produced On A Planar Surface

Revision, reaffirmation, or withdrawal by 2 November 2022.

Any news or action?

Tucker Downs moved to reaffirm the standard, using the same process as the prior motion. The motion was seconded and carried without objection or abstention. A public review will commence.

6.4 ANSI E1.35 – 2013 (R2018), Lens Quality Measurements for Pattern Projecting Luminaires Intended for Entertainment Use

Revision, reaffirmation, or withdrawal by 27 February 2023

Any news or action?

Mike Wood moved to reaffirm the standard, using the same process as the prior motion. The motion was seconded and carried without objection or abstention. A public review will commence.

6.5 ANSI E1.36 – 2007 (R2022), Model Procedure for Permitting the Use of Tungsten-Halogen Incandescent Lamps and Stage and Studio Luminaires in Vendor Exhibit Booths in Convention and Trade Show Exhibition Halls

*It was approved by ANSI as an ANS on 2 May 2022. It is now published.
Any new news or action?*

No news or action.

6.6 BSR E1.41, Recommendations for Measuring and Reporting Photometric Performance Data for Entertainment Luminaires Utilizing Solid State Light Sources

*See E1-41_2021-5005r2.pdf 303 KB
Summry_BSR-E1-41_PubRevwCmmnts13Dec2021.pdf
Progress report?*

Mike Wood said he will work on comment resolutions, and said there might be interaction between this and E1.25.

6.7 ANSI E1.48 – 2014 (R2019), A Recommended Luminous Efficiency Function for Stage and Studio Luminaire Photometry

*Revision, reaffirmation, or withdrawal by 08 January 2024
Any news or action?*

No report.

6.8 ANSI E1.54 – 2021, ESTA Color Standard and informational doc

*Revision, reaffirmation, or withdrawal by 07 January 2026
Any news or action?*

No report.

6.9 ANSI E1.55 – 2016 (R2021), Standard for Theatrical Makeup Mirror Lighting

*Revision, reaffirmation, or withdrawal by 1 November 2026
Any news or action?*

Karl Ruling said that Actors Equity uses the standard. He also said that is hairdresser had asked him for advice because she was having problems with color rendering in her studio - particularly with lighting levels for clients who want to dye their hair blonde, and need to see her work accurately - so he gave her a copy.

6.10 ANSI E1.69 – 2022, Reporting the Low-End Dimming Performance of Entertainment Luminaires Using LED Sources

*It was approved by ANSI as an ANS on 25 April 2022. It's now published.
Any new news or action?*

Karl Ruling reported that Javid Butler recently used it on a job.

7 New business

8 Other business and announcements

8.1 Above & Beyond Awards

The Above & Beyond nomination site is open year-round at http://tsp.esta.org/tsp/news/award_nomination.html.

8.2 Other announcements

9 Schedule for future meetings

The full meeting schedule may be found at <http://www.esta.org/ESTA/meetings.php>.

*TSP meetings will be held in Westlake, TX at the Marriott Westlake (what we used to call the Marriott Solana).
The Photometrics WG will meet from 14:00 to 1:00 CDT on Sunday 18 September, 2022.*

People were unhappy with a meeting Sunday afternoon, so the working group decided to hold a WebEx meeting

at 19:00 Eastern Time on Thursday 22 September, instead of holding an in-person meeting at Westlake.

10 Adjournment

The agenda being completed, there being no further business brought forth, Jerry Gorrell declared the meeting adjourned at 15:52.

Photometrics Working Group members as of 03 June 2022

Name	Representing	Status	Int cat
Matthew Ardine	I.A.T.S.E. Local 728	A	U
Robert Barbagallo	Solotech Inc.	O	DR
Justin Bennett	University of the Incarnate Word	P	U
Jim Bogdanowicz	CHAUVET & Sons Inc.	A	MP
Pete Borchetta	Altman Lighting	O	MP
John David (Javid) Butler	HDR Consulting LLC	P	DE
Tucker Downs	ROE Visual USA	P	MP
Bill Ellis	Candela Controls, Inc.	O	U
Robert Goddard	Goddard Design Co.	O	CP
Nicolas Goerg	Rosco Laboratories	O	CP
Jerry Gorrell	Theatre Safety Programs	P	U
Tim Hansen	Oasis Stage Werks	O	U
Robert Haycock	Robert Haycock	O	U
Mitch Hefter	Signify	P	MP
Ed Hyatt	Boston Illumination Group	O	CP
Frank Kjær Jensen	Harman International Industries	O	MP
Timothy S. Kang	ASC, Motion Imaging Technical Council	O	CP
Hans Lau	I.A.T.S.E. Local 728	P	U
Michael Lay	Candela Controls, Inc	P	DR
Wendy Luedtke	Electronic Theatre Controls, Inc.	P	MP
Jason Osterman	SGM Lighting, Inc	P	MP
Mark Primrose	CHAUVET & Sons Inc.	P	MP
Huang Qiancheng	Guangzhou Haoyang Electronic Co., Ltd.	P	CP
Karl G. Ruling	Unit 12 Productions	I	DE
Steven J. Rust	Theatre Projects Consultants, Inc.	P	DE
Ford Sellers	Chauvet Lighting	O	MP
Keith Sklar	Actors' Equity Association	O	G
Robert Timmerman	Signify	O	MP
Mike Wood	Mike Wood Consulting LLC	P	G