

Minutes
Photometrics Working Group
Friday, 20 March 2015
Hilton Cincinnati Netherland Plaza
Cincinnati, OH

Presiding chairperson:

Jerry Gorrell; Theatre Safety Programs; Theatre Safety Programs; P; U

Recording secretaries:

Erin Grabe; PLASA NA; PLASA NA; exf; G
Karl G. Ruling; PLASA NA; PLASA NA; exf; G

Members in attendance:

Mitch Heffer; Philips Lighting; Royal Philips; A; MP
Ed Hyatt; Boston Illumination Group; O; CP
Michael Lay; Philips Color Kinetics; Royal Philips; P; MP
Wendy Luedtke; Rosco Laboratories; P; MP
Kimberly Corbett Oates; Schuler Shook; A; DE
Mark Ravenhill; GLP German Light Products Inc.; GLP German Light Products GmbH; P; MP
Karl G. Ruling; Unit 12 Productions; I; DE
Larry Schoeneman; DesignLab Chicago, Inc.; P; DR
Ken Vannice; Ken Vannice LLC; I; G
Mike Wagner; ARRI Inc. (Calif.); Arnold & Richter Cine Technik; P; MP
Mike Wood; Mike Wood Consulting LLC; P; G

1 Opening Remarks

Jerry Gorrell called the meeting to order at 10:05.

2 Attendance and membership

2.1 Introductions of those present and taking attendance

A green sign-in sheet was passed around the table while self-introductions took place.

2.2 Determination of quorum

By a count of voters at the table, Jerry Gorrell noted that more than a supermajority was present.

2.3 Recognition of alternate voting members

2.4 Requirements for membership

The following statement was read aloud to the working group by Jerry Gorrell:

Membership is open to all who are materially affected by the work of the group, but voting members are required to vote on letter ballots and to attend meetings. If a voting member and his alternate both miss three meetings in a row, they are moved to observer status. This will be done at the end of the third meeting missed.

2.5 Changes to observer status due to lack of attendance

There were no members in jeopardy of a change in voting status due to lack of attendance.

2.6 Processing of new membership requests

As of 2 March 2015, the following application had been received and logged:

Phil Klapwyk; IATSE 891; O; U

Mike Wood moved to approve the new application. The motion was seconded and approved by a unanimous show of hands.

2.7 Consensus body

The full consensus body of this working group at the time of this meeting, including those not present, was:

Name	Representing	Voting status	Interest category
Mike Wagner	Arnold & Richter Cine Technik	P	MP
Larry Schoeneman	DesignLab Chicago, Inc.	P	DR
Mark Ravenhill	GLP German Light Products GmbH	P	MP
Markus Salm	GLP German Light Products GmbH	A	MP
Ken Vannice	Ken Vannice LLC	I	G
Mike Wood	Mike Wood Consulting LLC	P	G
Wendy Luedtke	Rosco Laboratories	P	MP
Michael Lay	Royal Philips	P	MP
Mitch Hefter	Royal Philips	A	MP
Jefferey Knox	Schuler Shook	P	DE
Kimberly Corbett Oates	Schuler Shook	A	DE
Jerry Gorrell	Theatre Safety Programs	P	U
Karl G. Ruling	Unit 12 Productions	I	DE
Voting Status Key: P = Principal voter, A = Alternate voter, I = Individual voter			
Votes by Interest Category:			
Custom-market producer		CP	0
Designer		DE	2
Dealer or rental company		DR	1
General interest		G	2
Mass-market producer		MP	4
User		U	1
Total votes possible:			10

3 Approval of the minutes from the November 2014 meeting

See *PHmin11-2014.pdf*.

Larry Schoeneman moved to approve the November 2014 minutes as drafted. The motion was seconded and approved by a unanimous show of hands.

4 PLASA declarations

4.1 Call for patents

The following statement was read aloud to the working group by Jerry Gorrell:

PLASA intends not to publish any standard that contains protected intellectual property, unless that information can be licensed by anyone for a reasonable fee. PLASA uses a process of open patent and copyright disclosures to implement its intent. PLASA 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 or 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.

Nothing was reported.

4.2 Reading of the Anti-trust statement

The following statement was read aloud to the working group by Jerry Gorrell:

PLASA and its members take seriously their obligation to comply with all applicable antitrust laws. Therefore, during this meeting and during all PLASA 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 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 PLASA meeting, please bring your concern to PLASA management. An easy to read pamphlet describing the antitrust laws is available from the PLASA staff.

Copies of the easy to read pamphlet were held up by Karl Ruling and Erin Grabe. Nothing was reported.

5 Approval of agenda

Mike Wood moved to approve the agenda as drafted. The motion was seconded and unanimously approved by a show of hands.

6 Old Business

6.1 ANSI E1.9 - 2007 (R2012), Reporting Photometric Performance Data for Luminaires Used in Entertainment Lighting (Revision, reaffirmation, or withdrawal by 2017)

No news or action at this time.

6.2 ANSI E1.25 - 2012, 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 2017)

No news or action at this time.

6.3 ANSI E1.35 - 2013, Lens Quality Measurements for Pattern Projecting Luminaires Intended for Entertainment Use (Revision, reaffirmation, or withdrawal by 2018)

No news or action at this time.

6.4 ANSI E1.36 - 2007 (R2012), 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 (Revision, reaffirmation, or withdrawal by 2017)

No news or action at this time.

6.5 ANSI E1.41 - 2012 , Recommendations for Measuring and Reporting Photometric Performance Data for Entertainment Luminaires Utilizing Solid State Light Sources (Revision, reaffirmation, or withdrawal by 2017)

Mike Wood said that a new standard for color rendering is being worked on by the IESNA. If it is adopted, this group may want to consider adopting it into this standard.

6.6 ANSI E1.48-2014, A Recommended Luminous Efficiency Function for Stage and Studio Luminaire Photometry (Revision, reaffirmation, or withdrawal by 2019)

Mike Wood announced that some companies are already using this standard. No other news or action at this time.

6.7 BSR E1.54, PLASA Color Standard

Karl Ruling announced that no public comments were received during the review. Wendy Luedtke then moved that the draft be accepted as an American National Standard. The motion was seconded and approved by a show of hands in support. The question will be decided by a letter ballot to the working group.

6.8 BSR E1.55, Makeup Mirror Lighting

There was some discussion of the draft comment resolutions and the draft standard. As a result of the conversation, and to the consensus of the group, double vertical row systems were added to the draft standard.

Mike Wood moved that the comment resolutions be accepted as modified. The motion was seconded and approved by a unanimous show of hands.

Larry Schoeneman moved that the revised draft standard be offered for public review. The motion was seconded and approved by a unanimous show of hands.

7 New business

No new business.

8 Other business

8.1 Above & Beyond Awards

Jerry Gorrell reminded the group that the nomination site is open year round at tsp.plasa.org/AboveandBeyond.

Mike Wood noted that Larry Schoeneman was awarded the Above & Beyond award by the Technical Standards Council for his notable efforts on fund-raising for the Technical Standards Program. The working group offered their congratulations to Larry Schoeneman.

8.2 TSP Funding

Larry Schoeneman noted that the Technical Standards Program operates at a loss. The loss this year is forecast to be \$40,000. Therefore, additional funding is needed. PLASA is looking for reliable, long-term funding in the order of \$5,000 pledges per year for five years. He noted that smaller companies could give smaller amounts, but that the long-term pledge is what is needed now. The program is in jeopardy, and Larry Schoeneman urged those in the room to write checks, or to help influence those who write checks.

Jerry Gorrell added that USITT and their Standards Committee are in no position to take on the work of this body. The Technical Standards Program is vital to this industry and high efforts should be made to fund it..

Michael Lay asked if it were possible to add the Investors in Innovation logo to the Standards News donor-page. Erin Grabe said that it was possible and that it would be incorporated soon.

9 Schedule for future meetings

The group consensus was to meet in July in Texas. The schedule is currently set for 24 July 2015, from 14:00 to 18:00, at the D/FW Marriott Solana in Westlake, TX.

10 Adjournment

Larry Schoeneman moved to adjourn. The motion was seconded. Hearing no objections, Jerry Gorrell declared the meeting adjourned at 10:57.

Name	Company	Representing	Voting status	Int. cat.
Robert Barbagallo	Solotech Inc.	Solotech Inc.	O	DR
Mosè Benaglia	Clay Paky S.P.A.	Clay Paky S.P.A.	O	MP
David Bertenshaw	David Bertenshaw	David Bertenshaw	O	G
Lee J. Bloch	Bloch Design Group, Inc.	Bloch Design Group, Inc.	O	U
Ron Bonner	PLASA Technical Resources Office	PLASA EU	O	G
André Broucke	André Broucke	André Broucke	O	G
Bill Ellis	Candela Controls, Inc.	Candela Controls, Inc.	O	U
Gregg Esakoff	ETC West	Electronic Theatre Controls, Inc.	O	MP
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	P	U
Erin Grabe	PLASA NA	PLASA NA	exf	G
Charles H. Green	Charles H. Green	Charles H. Green	O	U
Tim Hansen	Oasis Stage Werks	Oasis Stage Werks	O	U
Mitch Hefter	Philips Lighting	Royal Philips	A	MP
A C Hickox	Domingo Gonzalez Associates	Domingo Gonzalez Associates	O	U
Ed Hyatt	Boston Illumination Group, Inc.	Boston Illumination Group	O	CP
Joseph M. Good_III	Spectrum Professional Services	Spectrum Professional Services	O	G
Frank Kjær Jensen	Martin Professional ApS	Harman International Industries	O	MP
Dennis Thykjær Jørgensen	Martin Professional A/S	Martin Professional A/S	O	MP
Francois Juliat	Robert Juliat	Robert Juliat	O	MP
Hiroshi Kita	Marumo Electric Co., Ltd.	Marumo Electric Co., Ltd.	O	MP
Bill Klages	New Klages Inc.	New Klages Inc.	O	U
Phil Klapwyk	IATSE Local 891	IATSE Local 891	O	U
Jefferey Knox	Schuler Shook	Schuler Shook	P	DE
Michael Lay	Philips Color Kinetics	Royal Philips	P	MP

Name	Company	Representing	Voting status	Int. cat.
Larry Lieberman	Vision Quest Lighting	Vision Quest Lighting	O	CP
Rick Loudenburg	Barbizon Light (Denver)	Barbizon Companies	O	DR
Wendy Luedtke	Rosco Laboratories	Rosco Laboratories	P	MP
Doug MacDonald	Designlab Chicago	Designlab Chicago Inc.	O	DR
Jim McHugh	Humboldt State University/IES	Humboldt State University	O	U
Kimberly Corbett Oates	Schuler Shook	Schuler Shook	A	DE
Mark Ravenhill	GLP German Light Products Inc.	GLP German Light Products GmbH	P	MP
Karl G. Ruling	Unit 12 Productions	Unit 12 Productions	I	DE
Karl G. Ruling	PLASA NA	PLASA NA	exf	G
John T. Ryan	Altman Stage Lighting	Altman Stage Lighting	O	MP
Markus Salm	GLP German Light Products GmbH	GLP German Light Products GmbH	A	MP
Larry Schoeneman	DesignLab Chicago, Inc.	DesignLab Chicago, Inc.	P	DR
Ford Sellers	Chauvet Lighting	Chauvet Lighting	O	MP
Keith Sklar	Actors' Equity Association	Actors' Equity Association	O	G
Ben Sweet-Block	Philips Color Kinetics	Royal Philips	O	MP
Robert Timmerman	Philips Color Kinetics	Royal Philips	O	MP
Ken Vannice	Ken Vannice LLC	Ken Vannice LLC	I	G
Mike Wagner	ARRI Inc. (Calif.)	Arnold & Richter Cine Technik	P	MP
Mike Wood	Mike Wood Consulting LLC	Mike Wood Consulting LLC	P	G
Garrett Young	Prism Projection, Inc.	Prism Projection, Inc.	O	MP

Voting Status Key:

P = Principal voter, A = Alternate voter, I = Individual voter, O = Observer member, exf = ex officio (staff)

Interest Category Key:

CP = Custom-market producer, DE = Designer, DR = Dealer or rental company, G = General interest, MP = Mass-market producer, U = User