

Minutes
Photometrics Working Group
Friday, 25 July 2014
D/FW Marriott Solana
Westlake, TX

Presiding Chairperson: Jerry Gorrell; Theatre Safety Programs; P; U

Recording Secretary: Erin Grabe; PLASA NA; exf

Members attending:

Tim Hansen; Oasis Stage Werks; O; U
Mitch Hefter; O; G
Jefferey Knox; Schuler Shook; P; DE
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 14:00.

2 Attendance and membership

2.1 Introductions of those present and taking attendance

Introductions took place clockwise. A yellow sign-in sheet went counter-clockwise.

2.2 Determination of quorum

Jerry Gorrell announced that a supermajority was present, including the voters attending remotely.

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

No voters were moved to Observer status due to lack of attendance at this meeting.

2.6 Processing of new membership requests

As of 25 July 2014, the following applications have been received and logged:

Larry Schoeneman; DesignLab Chicago; P; DR
Ford Sellers; Chauvet Lighting; O; MP
Ben Sweet-Block; Royal Philips; O; MP
Mitch Hefter; Royal Philips; A; MP

Mike Wood moved to accept the applicants. The motion was seconded and approved by unanimous voice vote.

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
Michael Lay	Royal Philips	P	MP
Mitch Heffer	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	3
User		U	1
Total votes possible:			9

3 Approval of the minutes from the November 2013 meeting

See *PHmin11-2013.pdf*.

Larry Schoeneman moved to approve the minutes of the last meeting. The motion was seconded and approved by voice vote with one abstention and no objections.

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 NEW 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.

The pamphlet was held up for those present to see. No questions or issues were raised.

5 Approval of agenda

Mike Wood moved to approve the agenda as drafted. The motion was seconded and approved by voice vote.

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)

No news or action at this time.

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

Jerry Gorrell noted that the standard was published in January, and is available at <http://www.tsp.plasa.org/freestandards>. No further news or action at this time.

7 New business

7.1 Common color language

Mike Wood reported that the draft white paper had been written and distributed for this group. He explained the document as defining a color space and a white point reference. Other colors produced by a luminaire or called for by a desk can be specified referencing this color space.

Mike Wood moved that we start a standards project for specifying color, the PLASA Standard for Color Definition. The motion was seconded and approved on a unanimous voice vote.

There was further discussion. Mike Wood added that there is no right or wrong color space, as many manufacturers use many different RGB triangles and white points. But, as long as there is consensus between manufacturers, the benefits would be widespread.

7.2 A standard for makeup mirror lighting

See the *Protocol* makeup mirror lamp story, *MakeupLamps.pdf*. Keith Sklar at Actors' Equity has suggested that a standard for makeup mirror lighting would help Equity. Interest?

Karl Ruling moved that we take up the proposed project to write a standard for makeup mirror lighting. The motion was seconded. There was some discussion in which Karl Ruling outlined what he had in mind for the scope. The motion was then approved by unanimous voice vote.

8 Other business

8.1 Above & Beyond Awards

Jerry Gorrell announced that nomination site is open year round at tsp.plasa.org/AboveandBeyond. Karl Ruling added that what was particularly unusual about this is that the awards come out of the working groups.

8.2 Other other business

Mike Wood added that IESNA is doing a special edition on color rendering in their publication, *Leukos*, and has issued a call for papers. He mentioned that it deserves our support.

9 Schedule for future meetings

Jerry Gorrell announced that the next meeting is scheduled for 21 November 2014, from 08:00-10:00, at the Las Vegas Hotel (LVH) Tim Hansen said it was now known as The Westgate Resort & Casino.

10 Adjournment

Larry Schoeneman moved that the meeting adjourn. The motion was seconded and approved on a voice vote. Jerry Gorrell declared the meeting adjourned at 15:00.

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
Jeremy Day	Philips Color Kinetics	Royal Philips	O	MP
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
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
Jefferey Knox	Schuler Shook	Schuler Shook	P	DE
Michael Lay	Philips Color Kinetics	Royal Philips	P	MP
Larry Lieberman	Vision Quest Lighting	Vision Quest Lighting	O	CP

Name	Company	Representing	Voting status	Int. cat.
Rick Loudenburg	Barbizon Light (Denver)	Barbizon Companies	O	DR
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
Ron Rykowski	Radiant Imaging, Inc.	Radiant Imaging, Inc.	O	G
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
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

Interest Category Key:

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