

**Minutes**  
**Photometrics Working Group**  
Friday 28 October 2011  
Orlando Hilton  
Orlando, Florida

**Chairman:** Jerry Gorrell; Theatre Safety Programs; P; U

**Recording secretary:** Karl G. Ruling

**Members attending:**

Ron Bonner; PLASA EU; P; G

Ryan Fletcher; ARRI Inc. (Arnold & Richter Cine Technik); P; MP

Charles H. Green; O; U

Ed Hyatt; Boston Illumination Group; O; CP

Michael Lay; Philips Color Kinetics (Royal Philips Electronics); A; MP

Mark Ravenhill; GLP German Light Products Inc. (GLP German Light Products GmbH); P; MP

Karl G. Ruling; Unit 12 Productions; I; DE

Ken Vannice; Leviton Manufacturing Co., Inc.; P; MP

Mike Wood; Mike Wood Consulting LLC; P; G

**Visitors:** None.

**1 Opening Remarks**

Jerry Gorrell called the meeting to order at 8:07.

**2 Attendance and membership**

**2.1 Introductions of those present and taking attendance**

A hot pink attendance sign-in sheet was circulated, while those present introduced themselves.

**2.2 Determination of quorum**

Gorrell announced that a quorum was present.

**2.3 Recognition of alternate voting members**

Mike Lay was recognize.

**2.4 Requirements for membership**

Gorrell reminded the assembly that 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**

Principals (and alternates, if applicable) who have missed the last two meetings and who will have not meet the minimum attendance requirements for voters if this meeting also is missed:

- Rick Loudenburg; the Barbizon Companies; DR
- Markus Salm & Mark Ravenhill; GLP German Light Products GmbH; MP

Mark Ravenhill was present, so GLP's voting status was maintained. Rick Loudenburg was absent, so he was moved to observer status.

## 2.6 Processing of new membership requests

Karl Ruling, PLASA's Technical Standards Manager, applied as an individual member in the Designer interest category. His avocation and business of theatrical lighting design is materially affected by the work of the group.

Mike Wood moved that Ruling's application be accepted. The motion was seconded and then approved with a show of hands.

## 2.7 Consensus body

The full consensus body during the meeting, including those not present, was:

Name	Representing	Voting status	Int. cat.
Ryan Fletcher	Arnold & Richter Cine Technik	P	MP
Mark Ravenhill	GLP German Light Products GmbH	P	MP
Markus Salm	GLP German Light Products GmbH	A	MP
Ken Vannice	Leviton Manufacturing Co., Inc.	P	MP
Mike Wood	Mike Wood Consulting LLC	P	G
Ron Bonner	PLASA EU	P	G
Chris Wyatt	Royal Philips Electronics	P	MP
Michael Lay	Royal Philips Electronics	A	MP
Jefferey Knox	Schuler Shook	P	DE
Kimberly Corbett	Schuler Shook	A	DE
Jerry Gorrell	Theatre Safety Programs	P	U
Karl G. Ruling	Unit 12 Productions	I	DE
	<b>Total possible</b>	<b>9</b>	
	Subtotals by interest categories	0	CP
		4	MP
		0	DR
		1	U
		2	G
		2	DE

## 3 Approval of the minutes from the 22 July 2011 meeting

See *PHmin07-2011.pdf*.

Mike Lay moved that the draft minutes be accepted. The motion was seconded. The motion was approved with a show of hands

## 4 PLASA declarations

### 4.1 Call for patents

The following statement was read aloud to the assembly by the chairman:

"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 Anti-trust statement**

The following statement was read aloud to the assembly by the chairman:

"The PLASA Board of Directors, the Technical Standards Council, and the leadership of this working group will reject or nullify any actions that unlawfully restrain trade. Anyone who feels that such an action is being or has been taken is requested to bring that matter to the attention of the chair immediately. Anyone who feels that actions in restraint of trade have been taken and not properly annulled is requested to notify the TSC chair or PLASA chair immediately.

"PLASA legal counsel has informed us that violations of the anti-trust laws can have serious consequences. Individuals engaged in certain unlawful conduct can be found criminally liable. An individual convicted of a criminal violation of the Sherman Act may be fined as much as \$1,000,000 and imprisoned for up to ten years. An easy to read pamphlet describing restraint of trade issues is available from the Technical Standards Manager."

Karl Ruling held up some of the pamphlets to show that they were available. No restraint of trade issues were reported.

#### **5 Approval of agenda**

Mike Wood moved that the agenda be approved. The motion was seconded and then approved with a show of hands.

#### **6 Old Business**

##### **6.1 ANSI E1.9-2007, Reporting Photometric Performance Data for Luminaires Used in Entertainment Lighting**

No news or action.

##### **6.2 ANSI E1.25-2006, Recommended Basic Conditions For Measuring The Photometric Output Of Stage And Studio Luminaires By Measuring Illumination Levels Produced On A Planar Surface**

*Report on public review. Next steps?*

Karl Ruling reported that so far only Martin Moore had commented, but the review still had a few more days to run.

##### **6.3 ANSI E1.35 - 2007, Lens Quality Measurements for Pattern Projecting Luminaires Intended for Entertainment Use**

No action was taken, but there was a discussion of how the standard might be changed to make it more accurate.

##### **6.4 ANSI E1.36 - 2007, 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**

No action

##### **6.5 BSR E1.41 - 201x , Recommendations for Measuring and Reporting Photometric Performance Data for Entertainment Luminaires Utilizing Solid State Light Sources**

*Report on public review. Next steps? Mike Wood had submitted a set of draft comment resolutions before the meeting.*

Karl Ruling moved that we accept the draft comment resolutions. The motion was seconded by Mike Wood.

Mike Wood explained the draft comment resolutions. There was discussion. The motion was approved with a unanimous show of hands, eight voters out of a voting body of nine (Schuler Shook was absent), which was a supermajority.

The comment resolutions made no substantive changes to the draft standard.

Mike Wood moved that the version of BSR E1.41 published for the second public review be accepted as an American National Standard. The motion was seconded. Because all voters must have an opportunity to vote on this motion, the question will be decided by letter ballot.

## 7 New business

Representatives for Actors' Equity had sent an email message to Karl Ruling asking for help with dressing room makeup mirror lights. The text of that message is:

Anyway, I think we should talk about this at the meeting. Okay?

Forwarded by: <karl.ruling@plasa.org>  
Subject: Dressing Room Make-up Lights  
Date sent: Thu, 20 Oct 2011 17:16:25 -0400  
From: "Sklar, Keith" <KSklar@actorsequity.org>  
To: <karl.ruling@plasa.org>  
Date forwarded: Thu, 20 Oct 2011 21:19:08 +0000

Dear Karl,

As mentioned on the phone this morning, it has been brought to Actors' Equity's attention a few times over the last year by production managers, technical directors, etc. that the life of the incandescent light bulb which is used by our members for applying make-up in dressing rooms, quick change booths, etc. may become a thing of the past. Since the incandescent will no longer be made, it has been asked of us for alternatives that we will allow for make-up lights. We do have in our rulebooks already that fluorescents may be used as long as they are specifically warranted by the manufacturer for make-up purposes. This may be the only solution, but I thought I should ask for PLASA's help to see if there are other alternatives out there that can be suggested and to confirm what the actual plan is for the incandescent light bulb.

In addition, in a recent conversation with the Broadway Green Alliance, we were wondering if there were also "green" alternatives? We are aware of the common problem with most "green" light bulbs in its inability to reach an appropriate color temperature that we would most likely need to work with. Do any come close to the incandescent color temperature level?

We appreciate any assistance you can provide. If you have any questions, let me know.

Sincerely,  
ACTORS' EQUITY ASSOCIATION  
Keith Sklar  
Chief Outside Representative

(212)869-8530 x332  
(212)719-9815 fax

Karl Ruling suggested that there could be an article in PLASA's *Protocol* about what people should look for in incandescent lamp replacements or possible effective work-arounds for makeup mirror lighting. We then could follow up with a short American National Standard that Equity could reference that would spell out the minimum acceptable illumination levels at the plane of the performer's face, uniformity of distribution, color temperature, and color rendering of makeup mirror lights.

There was discussion. The consensus was to write an article first, and then perhaps takeup writing a standard.

It was suggested that Ruling should reach out to ASTC for advice on how they are specifying makeup mirror lights. Ruling will work with Equity on a *Protocol* article.

## **8 Other business**

None.

## **9 Schedule for future meetings**

Jerry Gorrell announced that the next meeting is scheduled for 14:00 to 18:00, Monday 30 January 2012, at the Marriott Solana in Westlake, TX.

## **10 Adjournment**

Ken Vannice moved that the meeting adjourn. The motion was seconded and then approved with a show of hands. Gorrell declared the meeting adjourned a 09:16.

**Working Group Membership and Contact Information as of 14 November 2011**

<b>Name</b>	<b>Company</b>	<b>Representing</b>	<b>Voting status</b>	<b>Int. cat.</b>
Robert Barbagallo	Solotech Inc.	Solotech Inc.	O	DR
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	P	G
André Broucke	André Broucke	André Broucke	O	G
Larry Busch	ADB Lighting Technologies	ADB Lighting Technologies	O	MP
Kimberly Corbett	Schuler Shook	Schuler Shook	A	DE
James Eade	PLASA	PLASA	O	G
Bill Ellis	Candela Controls, Inc.	Candela Controls, Inc.	O	U
Gregg Esakoff	ETC West	Electronic Theatre Controls, Inc.	O	MP
Ryan Fletcher	ARRI Inc. (Calif.)	Arnold & Richter Cine Technik	P	MP
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	P	U
Charles H. Green	Charles H. Green	Charles H. Green	O	U
Tim Hansen	Oasis Stage Werks	Oasis Stage Werks	O	U
Mitch Hefter	Philips Controls	Royal Philips Electronics	O	G
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 Electronics	A	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
John Luk	Altman Stage Lighting	Altman Stage Lighting	O	MP
Doug MacDonald	Designlab Chicago	Designlab Chicago Inc.	O	DR
Jim McHugh	Humboldt State University/IES	Humboldt State University	O	U
Martin Moore	Martin Moore	Martin Moore	O	DE
Afsan Quazi	Lighting & Electronics, Inc.	Lighting & Electronics, Inc.	O	G
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
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
Ken Vannice	Leviton Manufacturing Co., Inc.	Leviton Manufacturing Co., Inc.	P	MP
Francesc Rodelles Vinyoles	Institut del Teatre	Institut del Teatre	O	D
Mike Wood	Mike Wood Consulting LLC	Mike Wood Consulting LLC	P	G
Chris Wyatt	Philips Entertainment	Royal Philips Electronics	P	MP
Garrett Young	Prism Projection, Inc.	Prism Projection, Inc.	O	MP

**Key to codes:**

P principal voting member  
A alternate voting member  
I individual voting member  
O observer, non-voting

MP mass-market producer interest category  
CP custom-market producer interest category  
DR dealer or rental company interest category  
U user interest category  
G general-interest interest category  
DE designer