



Global Lighting Forum

國際照明論壇

(國際照明公協會聯合會)



GLF Members

- Associação Brasileira da Indústria de Iluminação – ABILUX
(巴西燈具工業協會)
- China Association of Lighting Industry – CALI
(中國照明電器協會)
- Electric Lamp and Component Manufacturers Association – ELCOMA (印度燈具與零件廠商協會)
- European Lamp Companies Federation – ELC
(歐洲燈具廠商聯盟)
- Japan Electric Lamp Manufacturers Association – JELMA
(日本電球工業會)
- Japan Luminaires Association – JLA
(日本照明器具工業會)



GLF Members

- Lighting Council Australia – LCA
(澳洲照明廠商會)
- National Electrical Manufacturers Association – NEMA
(美國電器廠商協會)
- Taiwan Lighting Fixture Export Association – TLFEA
(台灣照明燈具輸出業同業公會)
- Federation of National Manufacturers Associations for Luminaires and Electrotechnical Components for Luminaires in the European Union - CELMA (observing member)
(歐洲燈具與零件廠商協會聯盟) (觀察會員)
- Korea Institute of Lighting Technology – KILT
(韓國照明科技研究所) (觀察會員)
- More will be invited - - - - (Africa, Middle East, Russia -----)



observing member

observing member



GLF History



GLF History

- 1st GLF: Brussels – 19th October 2007
– Hosted by ELC
- 2nd GLF: Tokyo – 4th July 2008
– Hosted by JELMA
- 3rd GLF: San Francisco – 22/23rd October 2009
– Hosted by NEMA
- 3.5th GLF: Frankfurt L&B – 14th April 2010



GLF History

- 4th GLF Board/WG: Shenzhen – 12/13th October 2010
– Hosted by CALI
- 4.1th GLF WG: Bangkok – 13/14th December 2010
– Hosted by Environmental Cooperation - Asia
- 4.2th GLF WG: Guangzhou – 3/4th March 2011
– Hosted by CALI
- 4.3th GLF WG: Delhi – 19/20th April 2011
– Hosted by ELCOMA



GLF History

- 5th GLF: Sydney – 6/7th June 2011
 - Hosted by LCA
- 5.1th GLF WG: Shanghai – 20/22nd July 2011
 - Hosted by CALI

1st GLF: Brussels – 19th October 2007



Hosted by ELC (歐洲燈具廠商聯盟)



2nd GLF: Tokyo – 4th July 2008



Hosted by JELMA (日本電球工業會)



3rd GLF: San Francisco – 22/23rd October 2009
Hosted by NEMA (美國電器廠商協會)



3rd GLF: San Francisco – 22/23rd October 2009
Hosted by NEMA (美國電器廠商協會)



- Start GLF working group on SSL
 - Exchange information from regions on SSL
 - technical standards, testing methods, certification & recognition programs, performance requirements, subsidizes governmental initiatives and research, demonstration projects, etc
 - Identify gaps
 - Promote realistic and not overheated expectations for SSL
 - Develop a “global” SSL standardization philosophy
- From **L**amp to **L**ighting
 - Global Lamp Forum => Global Lighting Forum

3.5th GLF: Frankfurt L&B – 14th April 2010



4th GLF Board/WG: Shenzhen – 12/13th October 2010

Hosted by CALI (中國照明電器協會)



4.1th GLF WG: Bangkok – 13/14th December 2010

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JELMA
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Current status of JIS Activity in Japan (No.1) :Products related

JIS No.	Title	Published	Related Standard
C8147-2-13	Lamp control gear – Part 2-13: Particular requirements for DC or AC supplied electronic control gear for LED modules.	10/2008	IEC61347-2-13
C8153	modules – Performance requirements. DC or AC supplied electronic control gear for LED	03/2009	IEC62384
C8154	LED modules for general lighting – Safety specifications	03/2009	IEC62031
C8155	LED modules for general lighting – Performance requirements	09/2010	NONE
C8156	Self-ballasted LED lamps for general lighting services >50V – Safety specifications	Draft finished	IEC62560
C8157	Self-ballasted LED lamps for general lighting services >50V – Performance requirements.		IEC62612
C8158	Self-ballasted LED lamps for general lighting purposes		(JIS only)

4.1th GLF WG: Bangkok – 13/14th December 2010

Hosted by Environmental Cooperation - Asia



Current status of JIS Activity in Japan (No.2) : Measurement related (including Photobiological safety)

JIS No.	Title	Published	Related Standard
C8152	Measuring methods of white light emitting diode for general lighting	07/2007	CIE127
CXXXX	Measuring methods of LED modules		Refer to LM-79
C8159	Photobiological safety of lamps and lamp systems		CIES009 IEC62471
Z9112	Classification of lamps by chromaticity and colour rendering property.		IEC60081

4.1th GLF WG: Bangkok – 13/14th December 2010 
Hosted by Environmental Cooperation - Asia

Chinese Standards (as attachment)

4.1th GLF WG: Bangkok – 13/14th December 2010

Hosted by Environmental Cooperation - Asia

LED industrial Standards in Taiwan

No	Draft Standards	CNS progress
001	Methods of measurement on LED components for optical and electrical characteristics	CNS 15249
002	Methods of measurement on LED modules for optical and electrical characteristics	CNS 15250
003	Methods of measurement on LED components for thermal resistance	CNS 15248
004	Test methods on LED components and modules for normal life	CNS 15247
005	Fixtures of roadway lighting with light emitting diode lamps	CNS 15233 (2010.11.08 revised)
006	Optics measurement method for LED lighting system	
007	Environment and reliability testing method for LED devices	CNS-draft 0980146
008	Fixtures of project lighting with light emitting diode lamps	CNS-draft 0980144
009	Optical and electrical characteristics measurement method for LED chip	CNS-draft 0980145
010	Heat dissipation test for LED module	CNS-draft 0990627
011	Power supply measurement method for LED lighting system	CNS-draft 0980271
012	ESD test for LED package	CNS-draft 0990626
013	Quality testing method for LED chip	CNS-draft 0990625
014	Fixtures of T-Bar (Ceil mounted) with light emitting diode lamps	CNS-draft 0980270
015	Environment sustainability testing method for LED lighting system	CNS-draft 0990624
016	Accelerated life testing for LED device and module	CNS-draft 0990249
017	Accelerated life testing method for LED chip	CNS-draft 0990248

4.1th GLF WG: Bangkok – 13/14th December 2010

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No	Draft Standards	CNS progress
018	Methods of measurement on AC LED components for optical and electrical characteristics	CNS-draft 0980599
019	Methods of measurement on AC LED modules for optical and electrical characteristics	CNS-draft 0990244
020	Methods of measurement on AC LED luminaires for optical and electrical characteristics	2010.12.03 Symposium
021	AC LED safety regulation	2010.12.03 Symposium
022	Methods of measurement on AC LED luminaires for optical and electrical characteristics	2010.12.03 Symposium
023	Fixtures of indoor lighting with light emitting diode lamps	2010.12.03 Symposium
024	Fixtures of outdoor lighting with light emitting diode lamps	2010.12.03 Symposium

ITRI has collaborated with over 20 domestic companies to form “AC LED application and research alliance” (AARA) to set the safety regulations and measurement standards of AC LED in Taiwan. AC LED alliance and ITRI have announced first AC LED measurement standard on May 19, 2009. Other draft standards were announced, and the symposium was organized with ITRI, AARA, TOSIA and TLFEA to solicit comments on Dec 3, 2010.



Aug 26, 2009 Public hearings

Dec 3, 2010 Symposium

4.1th GLF WG: Bangkok – 13/14th December 2010



Hosted by Environmental Cooperation - Asia

Overview Standards (as attachment)

4.2th GLF WG: Guangzhou – 3/4th March 2011

Hosted by CALI (中國照明電器協會)



4.3th GLF WG: Delhi – 19/20th April 2011

Hosted by ELCOMA (印度燈具與零件廠商協會)



5th GLF: Sydney – 6/7th June 2011

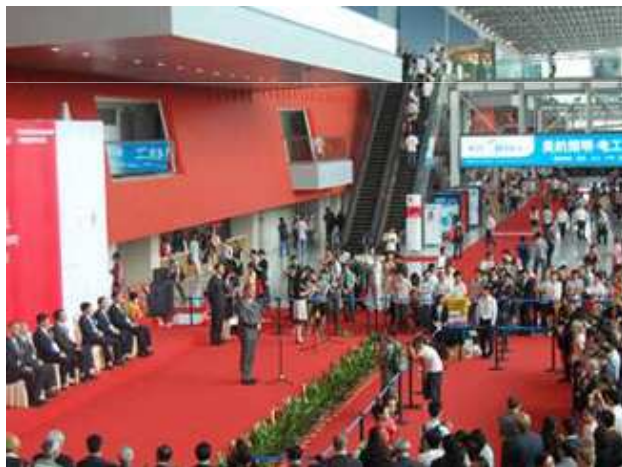
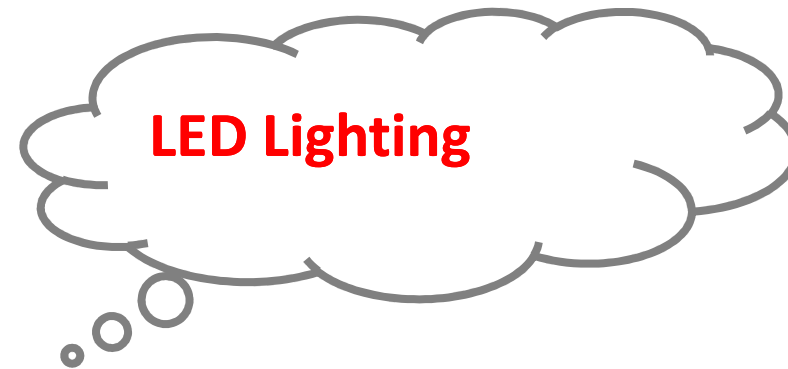
Hosted by LCA (澳洲照明廠商會)



5.1th GLF WG: Shanghai – 20/22nd July 2011
Hosted by CALI (中國照明電器協會)



LED Event in China



**Guangzhou Light fair
Jun.2011**



**China SSL
Otc.2011**

5.1th GLF WG: Shanghai – 20/22nd July 2011
Hosted by CALI (中國照明電器協會)



China LED Lighting Forum 2011

- **Date:** Wednesday, July 20- Friday, July 22,2011
- **Venue:** Shanghai International Convention Center



5.1th GLF WG: Shanghai – 20/22nd July 2011
Hosted by CALI (中國照明電器協會)



China LED Lighting Forum 2011

- **Organizer:** China Association of Lighting Industry
- It aims to promote the product application of LED lighting and technical innovation.



CLLF = China LED Lighting Forum

5.1th GLF WG: Shanghai – 20/22nd July 2011

Hosted by CALI (中國照明電器協會)



CLLF Relationship with GLF?

- CALI propose take this forum as a starting point and develop it into an annual **GLF activity** specialize on LED lighting area.
- CLLF aims to provide a good platform for **worldwide participant** exchanging their views on application of LED lighting, **especially in generally lighting**.
- GLF LED WG can work together on it and CALI can be responsible for its organization and operation.
- GLF members be CLLF supporters.
- Speech.
- Next GLF LED WG meeting.

GLF Future Activities



- 5.2nd GLF WG: Wash DC – 27/28th October 2011
– Hosted by NEMA
- 5.3rd -----
- 5.4th -----

- **6th GLF Board/WG**

Taipei – 15/16th March 2012

Hosted by TLFEA



What TLFEA need support from YOU



Organize **TLF** (Taiwan Lighting Forum)

VS

GLF

What TLFEA need support from YOU



Taipei – 13/16th March 2012

- LED Lighting Forum within the Lighting Show
- 6th GLF Board/WG Meeting Hosted by TLFEA
- CIE Taiwan Annual Meeting



Thank You