

# Korea Recent Report for GLA



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I. News

II. Developments of Standards

III. Government Projects

IV. Upcoming Events





## ❖ Labelling of LED Lighting Performance started from 1<sup>st</sup> December 2012

**고효율인증 LED조명 성능지표**

대체광원 :

1. 광효율(lm/W)	lm/W
2. 정격광속(lm)	lm
3. 소비전력(W)	W
4. 연색성(자연빛 유사정도)	
5. 색온도(K)	K

Light Color 2900(Warm White)

Warm White | Bright White | Daylight

2700K | 3000K | 4500K | 6500K

High-Efficiency Appliances Certification  
LED Lighting Performance Index

Replacable Lightsource

Luminous efficacy

Rated Lumen

Wattage

Color Rendering Index

Color Temperature





## ❖ Electrical Product Safety Certification(KC)

- ✓ **LED Lamp for Fluorescent Lamp Retrofit – Internal converter type(2013.2.25)**
  - The world's first standard for LED Lamp for Fluorescent Lamp Retrofit
  - Scope : **20W, 32W, 40W** LED Lamp for Fluorescent Lamp Retrofit **using Cap G13**
  - Certified products will go on sale in the second half of the year

## ❖ High-Efficiency Appliances Certification

- ✓ Certification scope extended to **LED module for channel letter signs(2013.4.1)**
  - Scope :  $\leq$  DC 50 V LED module for channel letter signs



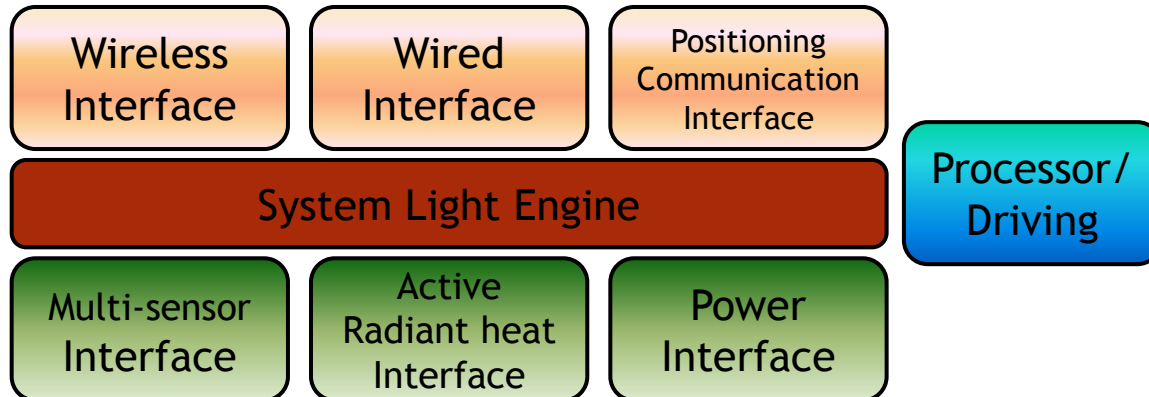


## ❖ IEC TC 34 WG Meeting in Seoul (8~11<sup>th</sup>, April)

### ✓ New Work Item proposals for IEC Standard

#### 1. Intelligent System Lighting

- LED Lighting + IT
- IEC TC 34 Ad hoc WG (2013.4.9)
  - Chair : Youjin, Kim (ETRI, Korea)



#### 2. LED Sensor Luminaires





## II. Developments of Standards

No.	Title	Status
1	LED lamps using internal converter - Safety and Performance Requirements	Revision for improve CRI etc.
2	LED lamps using external converter - Safety and Performance Requirements	Revision for improve CRI etc.
3	Recessed and Fixed LED luminaires - Safety and Performance Requirements	Revision for improve CRI etc.
4	LED luminaires for road and street lighting - Safety and Performance Requirements	Revision for improve CRI etc.
5	Tubular LED lamps using internal converter - Safety Requirements	Under preparation
6	<b>LED Crosswalk Luminaires</b>	<b>KS C 7717 (2012.12.28)</b>
7	<b>LED modules for general lighting - Performance requirements</b>	<b>KS C IEC PAS 62717 (2012.12.28)</b>
8	<b>LED Inset light for airport</b>	<b>KS C 7718 (2012.12.28)</b>
9	<b>LED Handlamps</b>	<b>KS C 7719 (2012.12.28)</b>
10	<b>LED Lamp for Fluorescent Lamp Retrofit – Internal converter type</b>	<b>K10025 (2013.2.25)</b>





## ❖ 2060 Project

- ✓ 100% of Public area, 60% of Private area

## ❖ Blue Light Hazards

- ✓ 2011. Portable LED Lamps
- ✓ 2013. All LED Lamps

## ❖ Phase out Incandescent Lamps

- ✓ 2012 ~ 2015





## IV. Upcoming Events

- ❖ **International  
LED&GREENLIGHTING  
EXPO 2013**
  - ✓ **KINTEX, ilsan**  
**2013.6.25(Tue)~28(Fri)**
  
- ❖ **2013 LED Industry Forum**
  - ✓ **End of October**







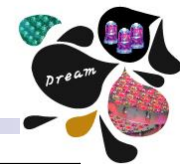
## ❖ International LED&GREENLIGHTING EXPO 2013

### ✓ Schedule

6/24	6/25	6/26	6/27	6/28
Welcoming Banquet	EXPO Opening & Conference	LED WG Meeting		EXPO



# III. Upcoming Events



Time	Speaker	Topic	Position
10:00 – 10:30	<b>Kiwoong Seo</b>	Policy and Regulations for LED Lighting in Korea	Ministry of Trade, Industry and Energy
10:30 – 11:00	<b>Wolfgang Andorfer</b>	GLA Presentation	GLA/OSRAM
11:00 – 11:30	<b>Robert Hick</b>	Regional Report	NEMA/Leviton
11:30 – 12:00	<b>Chen Yansheng</b>		CALI
12:00 – 13:30	Lunch		
13:30 – 14:00	<b>Michael Ng</b>	Regional Report	TLFEA/AMKO
14:00 – 14:30	<b>Kiyooki Uchihashi</b>		JLMA
14:30 – 15:00	<b>Wolfgang Andorfer</b>	New Regulatory Environment for LED in Europe	GLA/OSRAM
15:00 – 15:30	<b>Mansoo Jang</b>	미정	Seoul City
15:30 – 15:50	<b>Hoon Kim</b>	KCIE & ISO TC 284	Kangwon National University
15:50 – 16:20	Coffee		
16:20 – 16:50	<b>Changhee Hong</b>	Trend of LED Convergence Lighting Technology	Chonbuk National University
16:50 – 17:20	<b>Jasoon Jang</b>	Current Issues and Future Prospects for LED-IT Fusion Technology: Based on Automotive Lightings	Yeungnam University
17:20 – 17:50	<b>Taegyung Kang</b>	A trend of digital system lighting fusion technologies	ETRI
17:50 ~ 18:20	<b>Meeryoung Cho</b>	Standardization of LED Convergence Lighting	KILT

