



GE LED Lighting Trend & GE Solutions 2015

Mark Liu-GE Lighting Taiwan

May 22, 2015

[Imagination at work](#)



GE power generation equipment creates a quarter of the world's electricity every day.



GE Healthcare technology helps doctors save nearly 3,000 lives each day.



Every 2 seconds, a GE-powered aircraft takes off.



imagination at work

GE Lighting



We are leading the Lighting Revolution

Imagination at work

GE – Light Bulb Inventor



發明家湯瑪斯·愛迪生於1879年10月21日發明第一個實用性燈泡，創建愛迪生電燈公司。

1892年，愛迪生電燈公司和托馬斯-休斯頓電氣公司合併，創立GE公司。

GE started from *Thomas Edison*, from first light bulb.



See tutorial regarding confidentiality disclosures. Delete if not needed.



全球技术团队

- 经验丰富的管理领导团队和企业文化
- 承继优良创新历史，开拓未来新兴领域



俄亥俄州克利夫兰



匈牙利布达佩斯



中国上海



加拿大蒙特利尔









以色列特拉维夫



中国西安
2012年开幕

Lighting resolution & Trend 照明變革跟趨勢

	Trend	Influencing bodies
光強密度(LPD)		
光浪費		
光污染		
光強		
眩光		

舒适高质量的照明

LED Outdoor Lighting



Applications

- Parking lots
- Public areas
- Roadway and Street
- Parking garage

Features and Benefits

- Reduced energy consumption
- Improved uniformity and light quality
- Long service life and reduced maintenance costs
- Reduced trespass light

How to Choose Outdoor LED

1

Light the target only 只照要照的

2

Regardless the distance to pole
照出來是一致的

3

Can be seen by sight 讓人看得清的

4

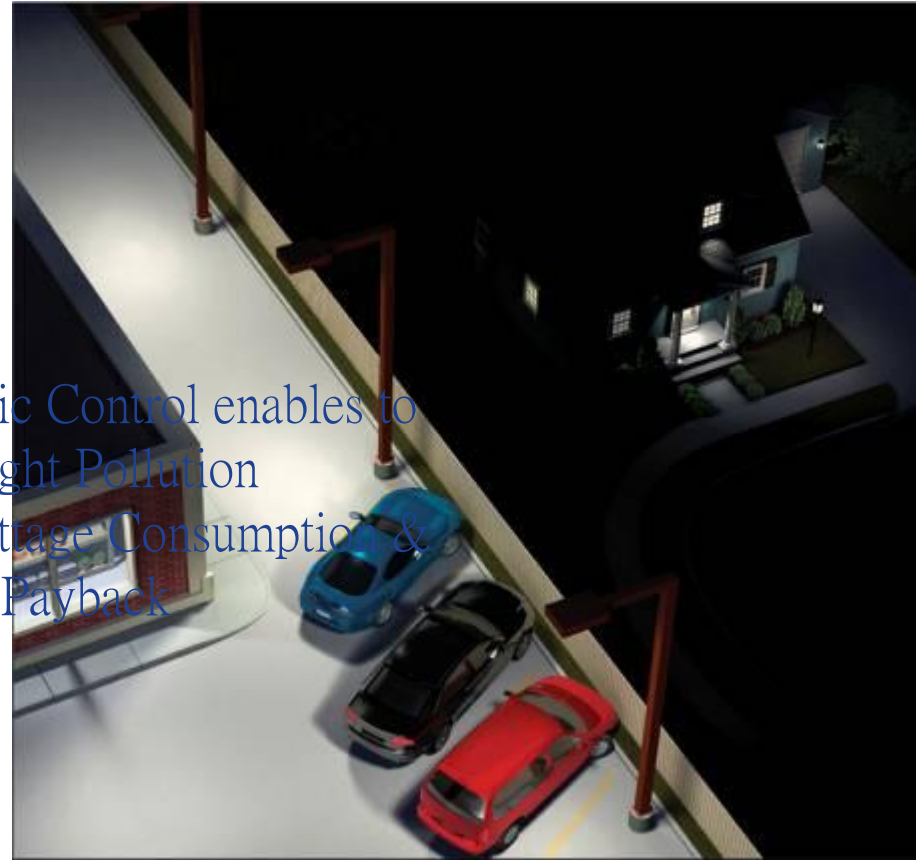
Stable for long enough 經久不”衰”的

1. Light the target only LED Photometric Control



Advanced Photometric Control enables to
reduce the Light Pollution
→ Reduces Total Wattage Consumption &
Improve Payback

Example: Light Trespass



Example: No Light Trespass

2. Regardless the distance to pole



提升均勻度同時提高視覺敏感性
Increased Uniformity Compared to Existing Lights.
Visual Acuity has also Improved.

Before

3. Can be seen by sight



After

Energy Saving 49% !!



4. Stable for long enough

January

August



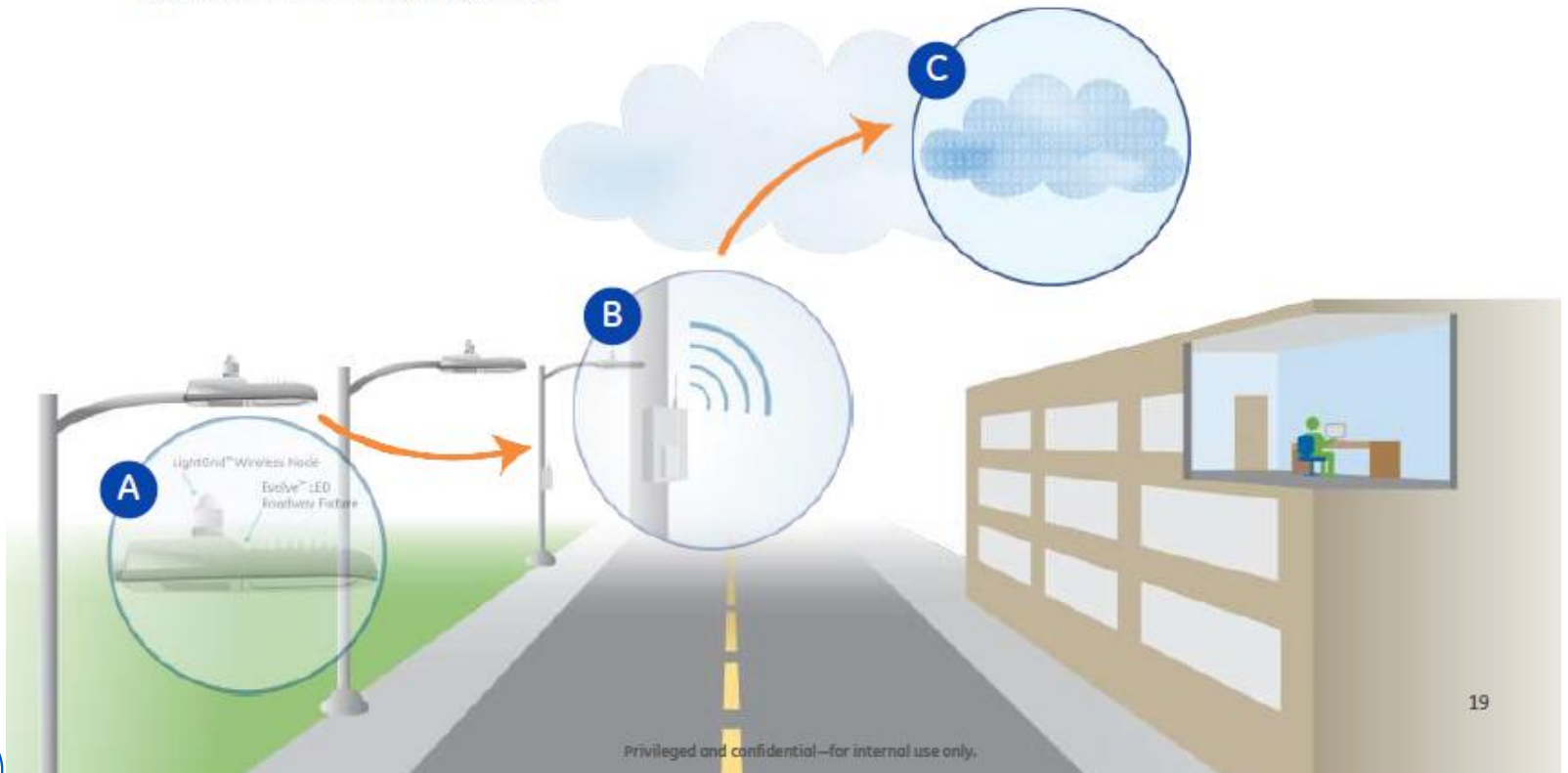
GE”

Other

LightGrid: How Does It Work?

- That data is then delivered* to a GE-provided or customer-hosted server, making it readily accessible to municipalities **C**

*Via cellular or Ethernet backhaul



Privileged and confidential—for internal use only.



照明系統化和智能化趨勢逐漸明顯

智能手機+WIFI應用+4G時代的來臨使得照明系統趨於個性化，從而徹底改變商業照明的競爭現狀以及消費者使用習慣



GE's Evolve™ LED Avery Street Dreams™ Post Top 燈具, 搭配LightGrid™ 戶外無線控制系統

GE LED Indoor Product Line Overview

Building a complete line of Indoor LED Solutions

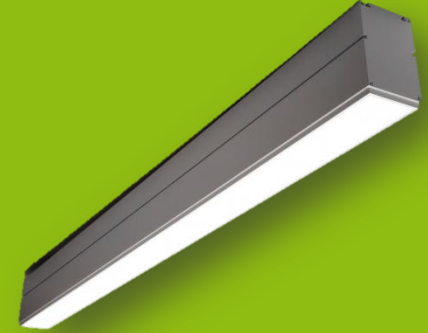
Recessed



Suspended



Recessed Linear



Architectural



Downlight and Track



Back Lighting

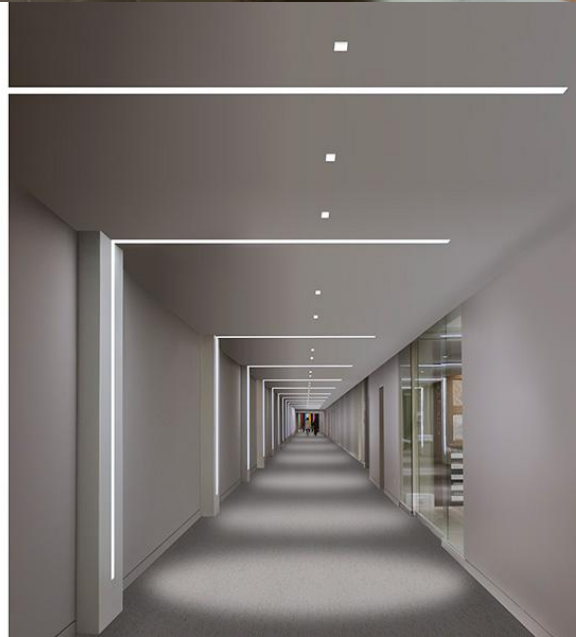
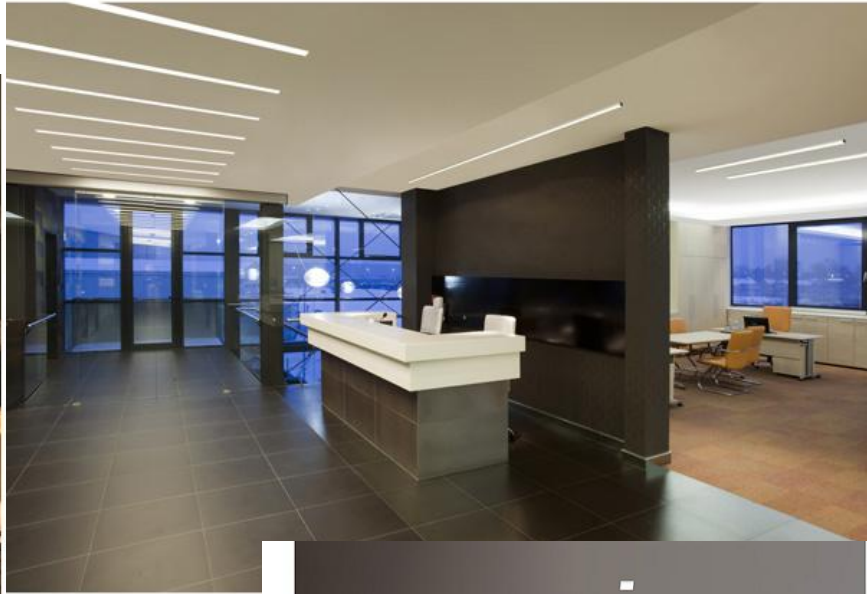


LED Benefits



LED technology

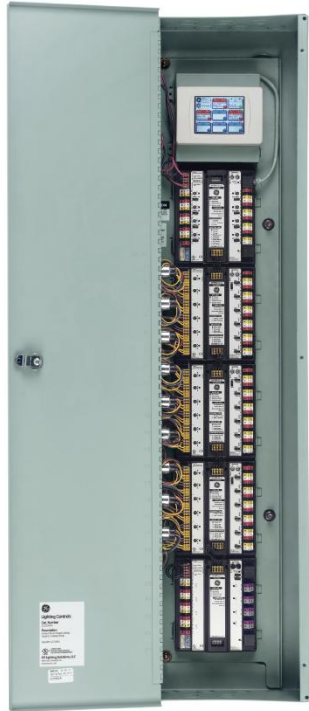
- 50,000 Hour Rated Life (L85)
- Instant On
- Standard Continuous Dimming
- Easily integrates into lighting controls
- Maintenance Savings
- Energy Efficient





Controls Systems

GE LightSweep™



Aware™ Occupancy Sensors



Corner/Wall
Sensor



High-bay Fixture
Mount



Photo Sensor



Ceiling Sensor



Wall Mount

Easily integrates into daylight harvesting and controls systems like GE LightSweep™ and Aware™ occupancy sensors for additional energy savings.

Environmental Benefits

Designed with environmental responsibility in mind

- Efficiently conserves energy
- Contains no lead, mercury or glass
- Long lasting design
- Fully recyclable aluminum housing



To learn more about **Lumination™ LED Lighting Systems...**

- Visit us on the web at: **www.gelightingsolutions.com**
- Email us at: **info@gelightingsolutions.com**
- Call us at: **1-888-MY-GE-LED**



