

Company Introduction

Company Introduction

Founded in 2004, Light Emitting Designs is a leading provider of sustainable interactive lighting technologies

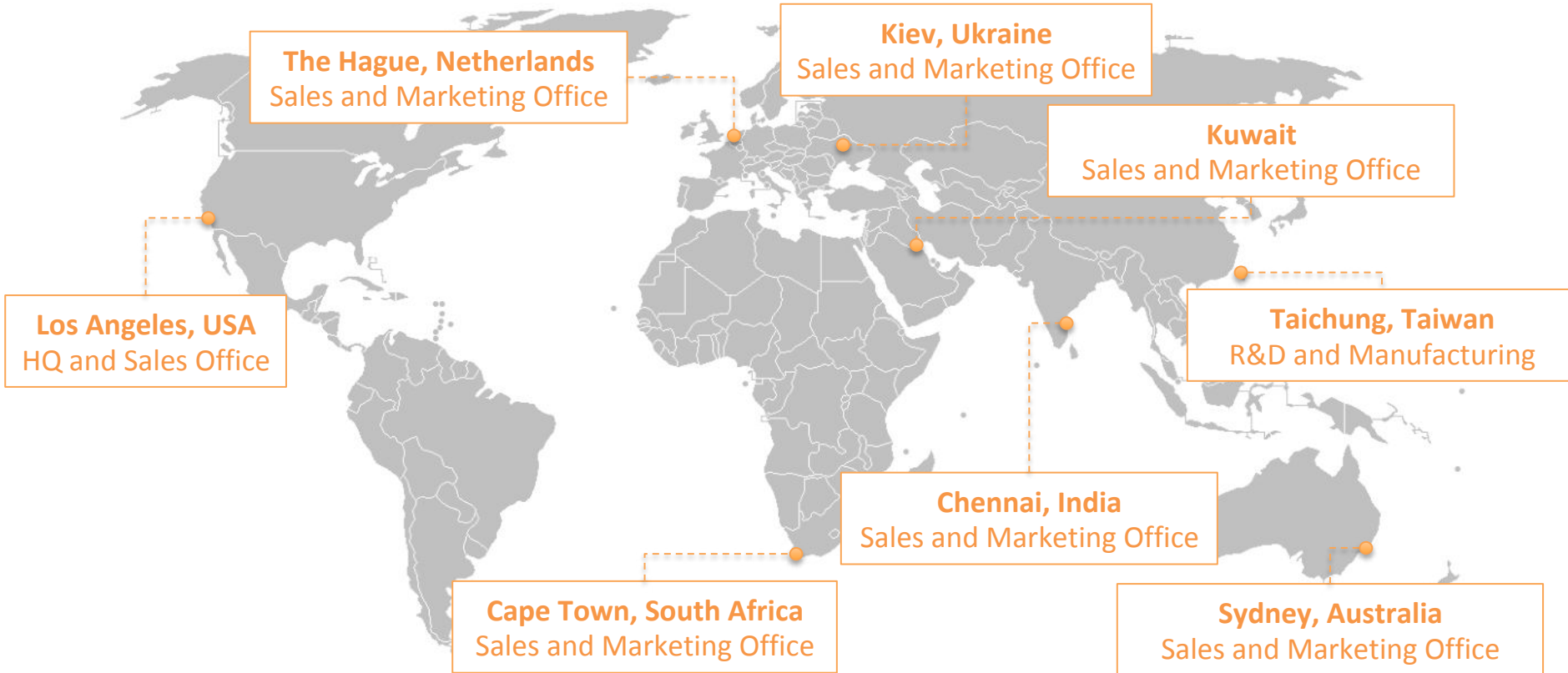
Product line focusing on industrial, hazardous, public infrastructure and street lighting fixtures

Management made up of LED industry veterans with over 75 years of combined experience

Backed by industry-leading innovative patented technologies and designs



Branch Locations



Factory Information

43,000 ft² (4,000 m²) state of the art manufacturing plant located in Central Taiwan

In-house aluminum alloy die casting and plastic injection lines for shorter lead times and better quality control

Advanced QC center with 24-hour product aging facility for all light fixtures prior to shipping to assure optimal quality

Clean room with state of the art SMT robotics line for precision assembly of electronic components

ISO9000 rated standard operating procedure (SOP) with implemented QC / QA processes to virtually eliminate any defective fixtures during production



Products

Flagship Products

IL450 Series Industrial Lighting



SST – Snap & Turn Surface Mounting System



CH4 – Chain Chandelier Mounting System



SWL – Variable Angle Swivel Mounting System

Flagship Products

IL450 Up-Light Module



*Available for PDS and CH4 Mounting Systems

Flagship Products

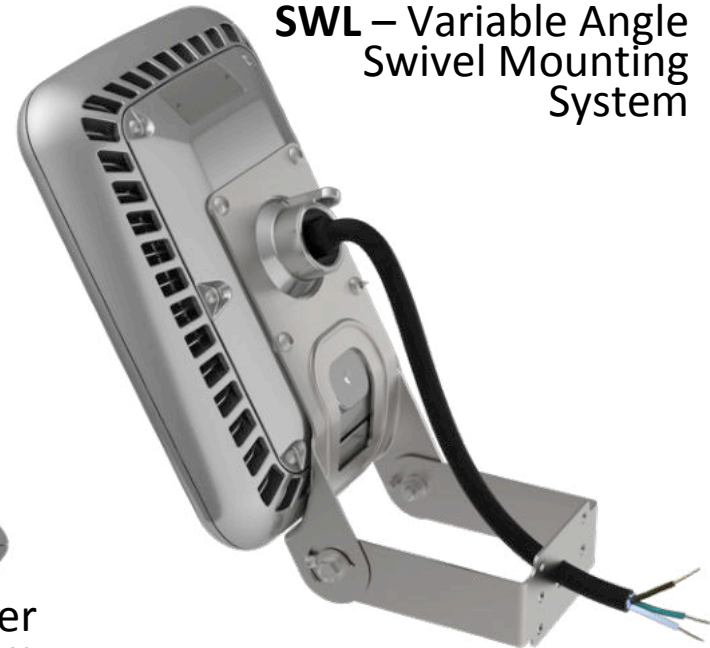
IL3525 Series Industrial Lighting



SSL – Snap & Slide Surface Mounting System



CH4 – Chain Chandelier Mounting System



SWL – Variable Angle Swivel Mounting System

Flagship Products

RWLII Series Street Lighting



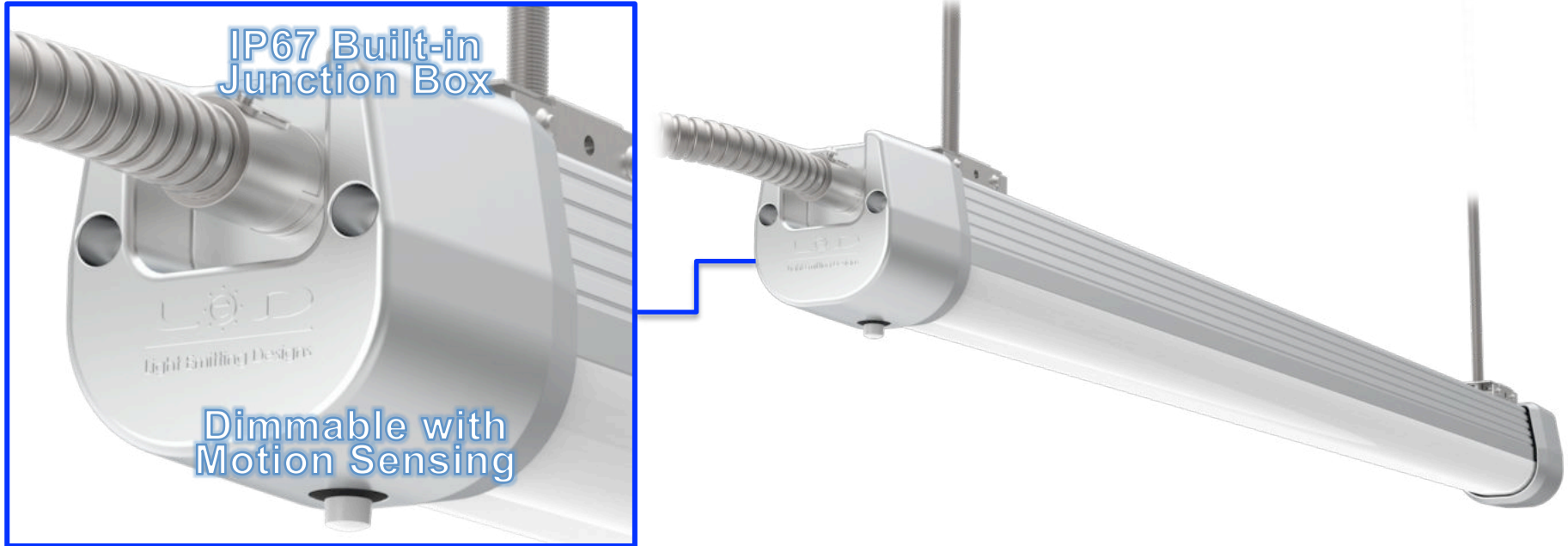
Flagship Products

RWL3525 Series Street Lighting



Flagship Products

LX 1000 Extreme Linear Lighting



Flagship Products

ILX 450 Explosion-Proof Lighting

PDS – Pendant
Mounting
System



S90 – 90° Stanchion Mount



S25 – 25° Stanchion Mount

Flagship Products

ILX 450 Explosion-Proof Lighting



WS9 – 90° Stanchion Wall Mount



CMS – Ceiling Mount



WS2 – 25° Stanchion Wall Mount

Flagship Products

ILX 450 High Heat Application Lighting

PDS – Pendant
Mounting
System



S90 – 90° Stanchion Mount



S25 – 25° Stanchion Mount

Flagship Products

ILX 450 High Heat Application Lighting



CMS – Ceiling Mount

WS9 – 90° Stanchion Wall Mount



WS2 – 25° Stanchion Wall Mount

Flagship Products

ILX 3525 Explosion-Proof Lighting

PDS – Pendant
Mounting
System



S90 – 90° Stanchion Mount



S25 – 25° Stanchion Mount

Flagship Products

ILX 3525 Explosion-Proof Lighting



WS9 – 90° Stanchion Wall Mount



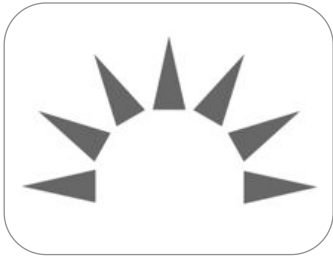
CPY – Petroleum
Canopy Mount



WS2 – 25° Stanchion Wall Mount

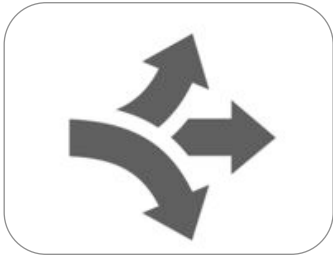
Technological Advantages

Technological Advantages



Lumen Efficacy

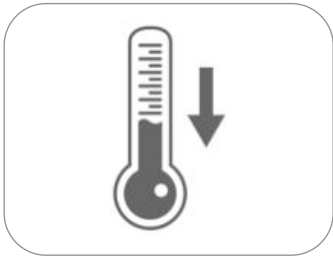
- Industry-leading efficacy (lumens/watt) Must compare lumens-to-lumens, not watts-to-watts
- *Efficacy Example:* IL3525 35W, unparalleled
138 lumens/watt



Product Flexibility

- Versatile fixture design with minimal interchangeable parts for any application
- High quality, cost-effective, reliable solution
- Efficient production with streamlined inventory enabling short lead times

Technological Advantages



Thermal Management

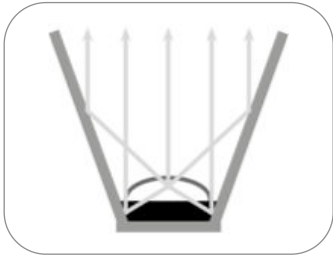
- Industry-leading thermal management enabling longer fixture lifespan
- Patented thermal technology enables low junction temperature (T_j) and ultra high L70 lumen maintenance rating >160,000 hours or 18 years



Dust, Vapor, & Waterproof

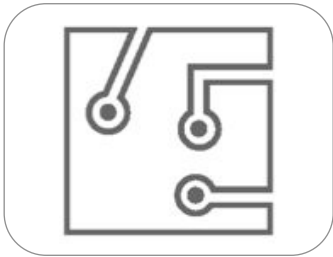
- IP68 LED light engine and optical components
- Eliminates the risk of corrosion due to oxidation of solder points in the light engine components
- Heavy duty industrial design with industrial grade gaskets
- Competitors' IP65 rating offers limited protection

Technological Advantages



Reflector-Based Optics

- High-efficiency optical reflector system delivers more lumens/watt than other LED fixtures
- Eliminates the need for costly, fragile, and inefficient secondary plastic lenses on each individual LED



MCPCB Utility Patents

- Patented MCPCB technology allows heat to directly flow from LED junction temperature (T_j) / solder points to the heat sink with the lowest thermal resistance in the industry

Utility Patents

1 Passive Air
Cooling System
(US 8,864,332)

2 Advanced Thermal
Management
System
(US 8,757,842 B2)

3 Snap & Turn
Mounting System
(US 8,272,765 B2)

4 Horizontal
Lighting System
(US 6,830,364 B2)

Recent Projects

Recent Projects

Orbital ATK NASA Mars Rocket Test Facility – USA



- Sole light fixture to be used in the rocket booster testing facility for the slated 2030 manned mission to Mars by NASA
- *Customer requirements:*
 - High heat resistance
 - Digital control system compatibility
 - Hazardous environment protection

Caterpillar Power Plant – Yangon, Myanmar



- New 52-megawatt power plant, built by Caterpillar to generate electricity for developing Myanmar
- *Customer requirements:*
 - Long LED life for sizable ROI
 - High lumen output
 - Invulnerability to corrosive turbine steam

Recent Projects

Hitachi Automotive Plant – Queretaro, Mexico



- New 60,000m² automotive equipment facility for Hitachi in Queretaro, Mexico
- *Customer requirements:*
 - High lumen output and efficacy
 - Virtually zero downtime or maintenance
 - CRI of 75 or better

Kuwait Oil Company (KOC) – Kuwait



- Kuwait Oil Company's petroleum-refining facility
- *Customer requirements*
 - IP68-rated fixtures
 - Virtually zero downtime or maintenance
 - Coastal, saline environment protection

Contact LeD

Light Emitting Designs USA

2140 North Hollywood Way #6486,
Burbank, CA 91510 USA
Tel. US & CA: +1 (888) 662-4466
Tel. Int'l: +1 (818) 563-3940
Email: info@lightemittingdesigns.com

Light Emitting Designs Taiwan

No. 25, Lane 58, Sitou Road,
Taichung County 42953, Taiwan
Tel: +886 (0) 4 2562 9974
Fax: +886 (0) 4 2562 9984
Email: info@lightemittingdesigns.com

Light Emitting Designs Australia

Unit 16, 10-18 Ocean Street,
Botany, NSW 2019, Australia
Tel: +61 (0) 2 8001 6318
Email: australia@lightemittingdesigns.com

Light Emitting Designs South Africa

23 Cook Street, Cape Town
7925, Cape Town, South Africa
Tel: +27 (0) 21 447 2507
Email: s.africa@lightemittingdesigns.com

Light Emitting Designs Kuwait

PO Box 251, Abu Halifa,
Kuwait 54753
Tel: +965 60617119
Fax: +965 23983051
Email: kuwait@lightemittingdesigns.com

Light Emitting Designs Netherlands

Lulofsstraat 55 u51, 2521Al Den hag,
Zuid Holland the Netherlands
Tel: +31 (0) 70 820 0544
Email: holland@lightemittingdesigns.com

Light Emitting Designs Ukraine

01133, Ukraine, Kiev
Lesi Ukrainki Blvd. 26, 7fl
Tel: +380444907201
Email: ukraine@lightemittingdesigns.com

Light Emitting Designs India

No. 27/12, 11th Street, B.V. Nagar,
Palavanthangal, Chennai – 600 114, India
Tel: +91 44-65650493
Email: india@lightemittingdesigns.com

Please visit our website for more detailed information about product specifications, lighting projects, and energy savings

www.lightemittingdesigns.com