

JANUARY 2012

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ISSUE 48

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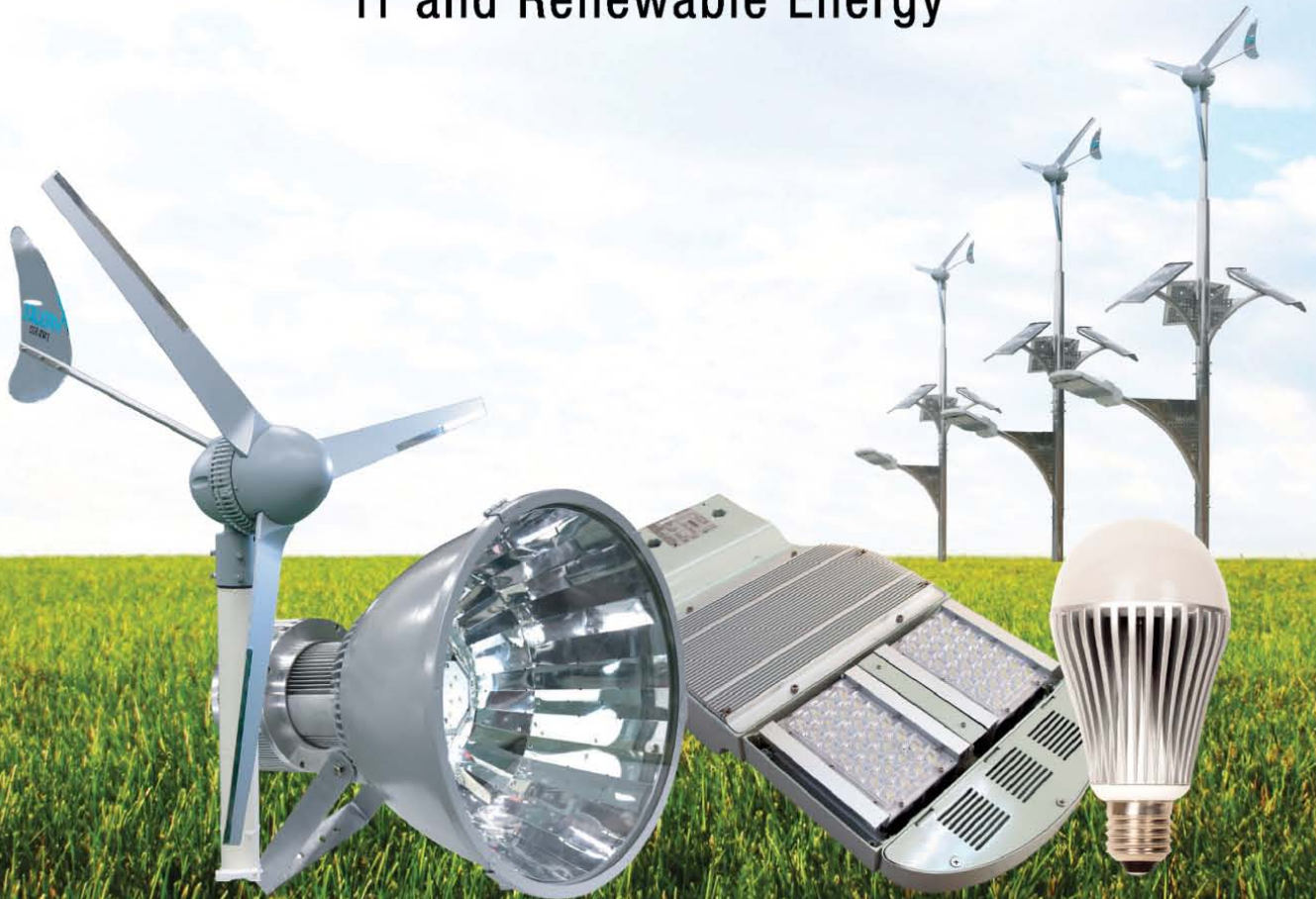
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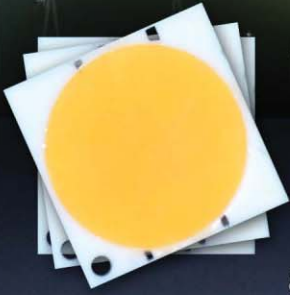


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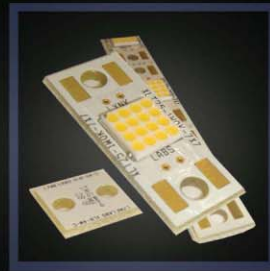
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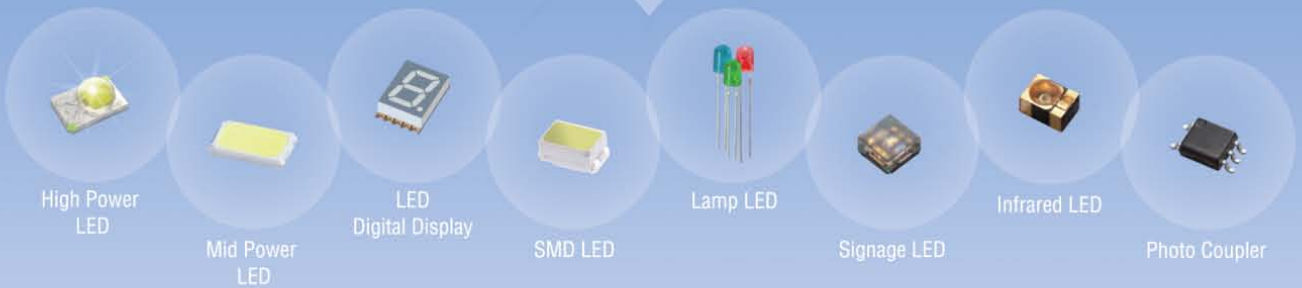
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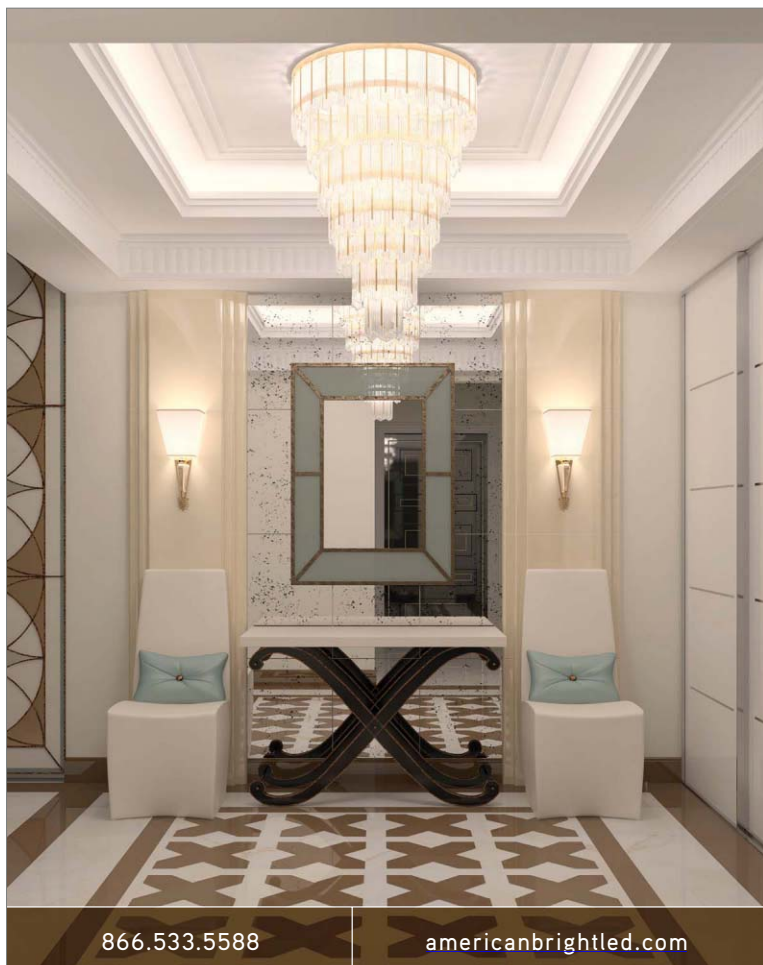


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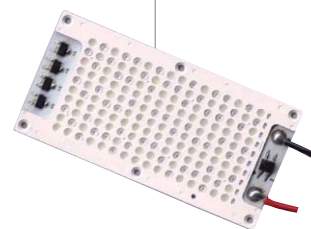
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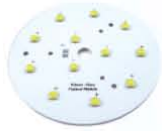


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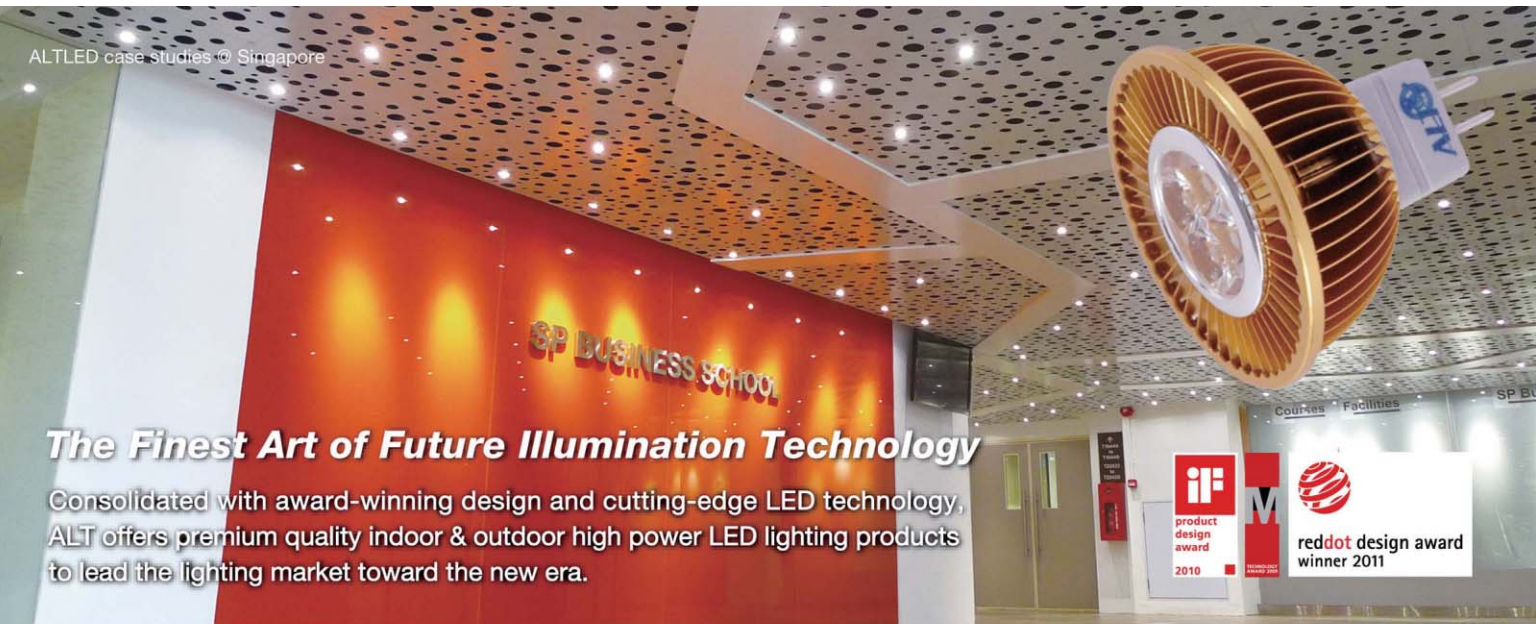
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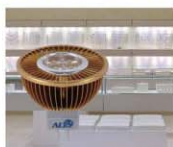


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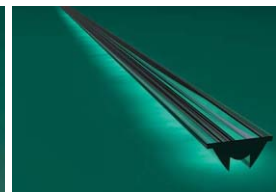


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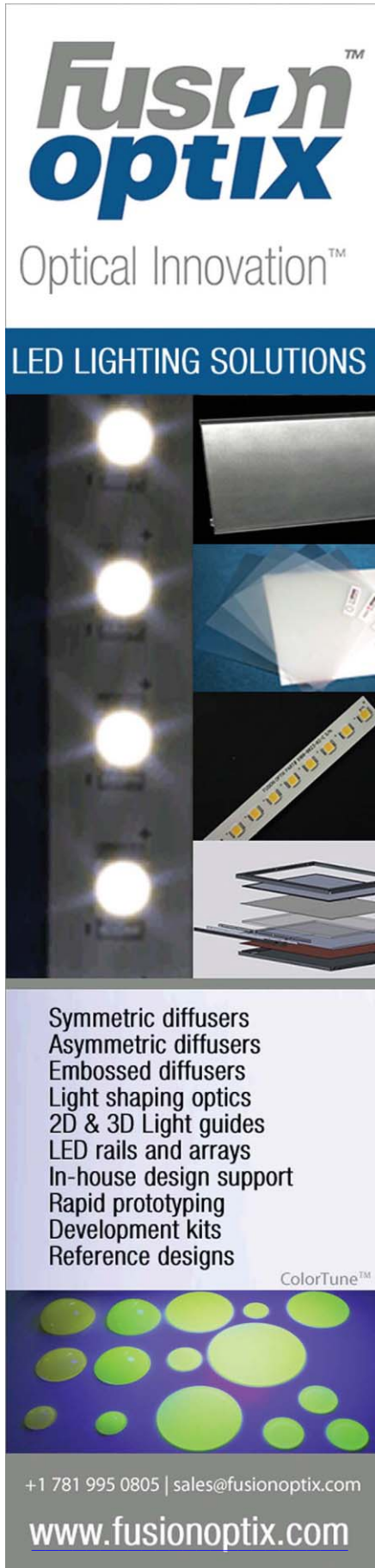
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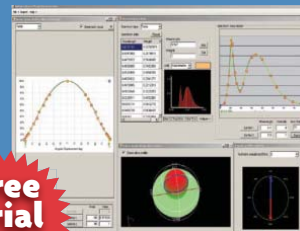
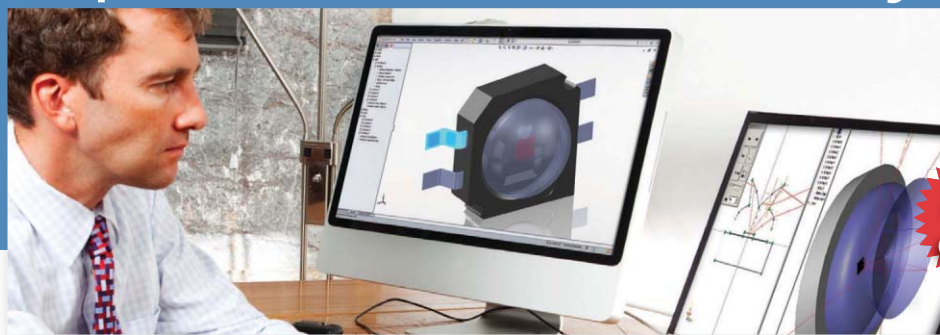
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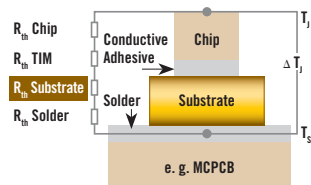


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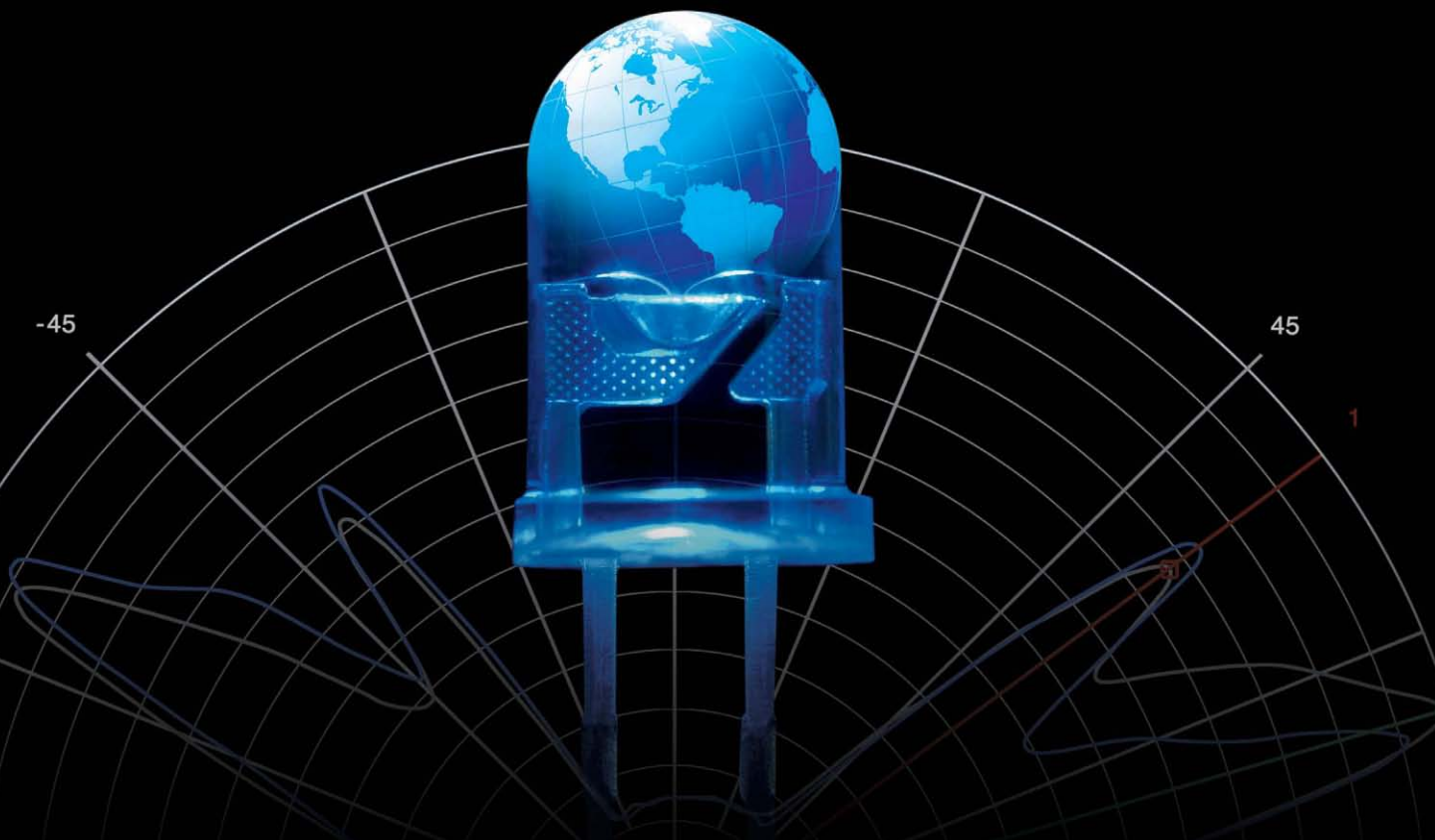
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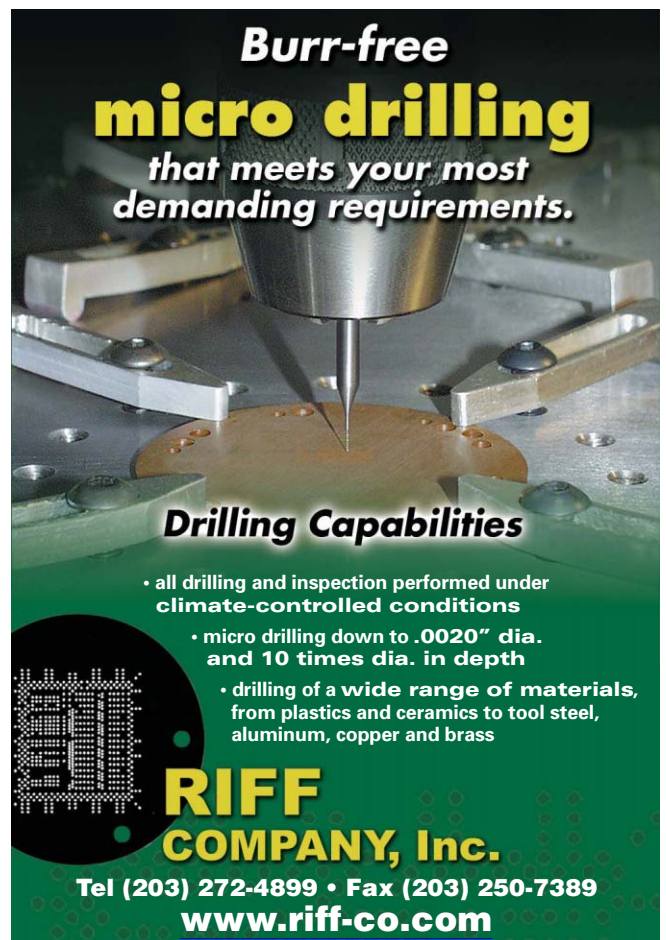


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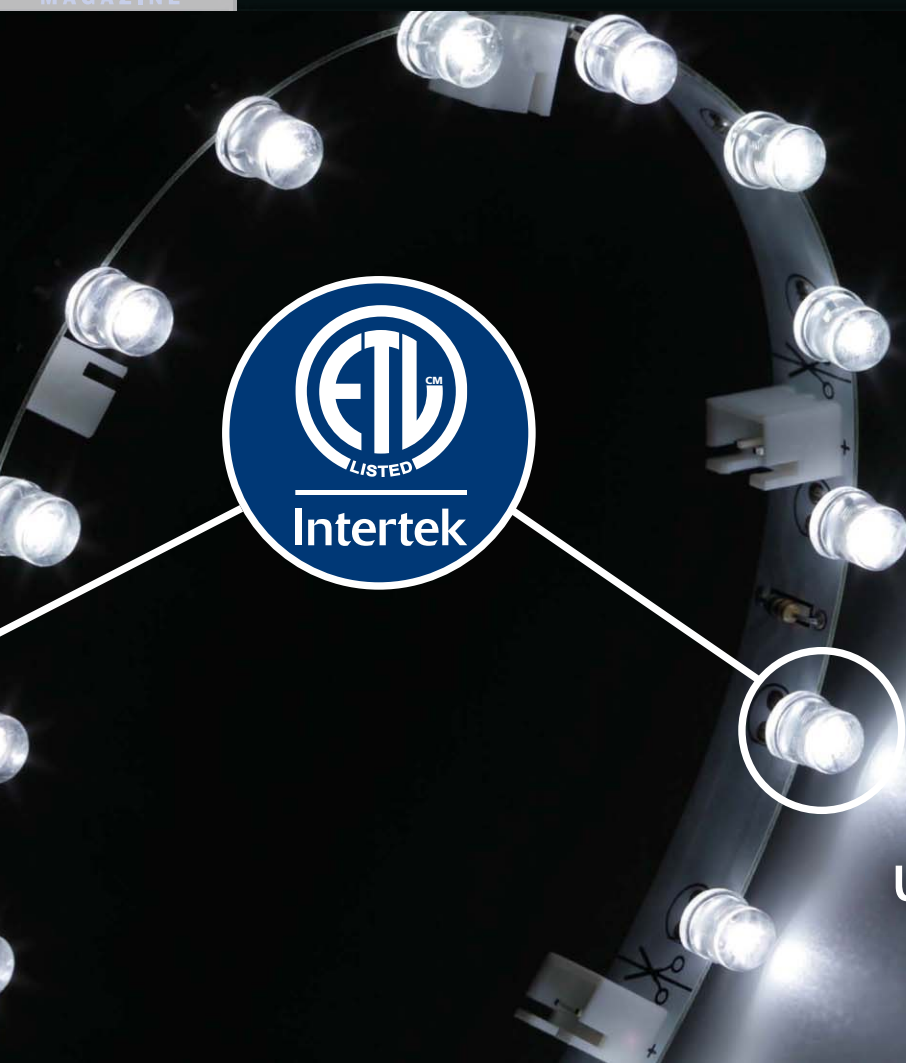


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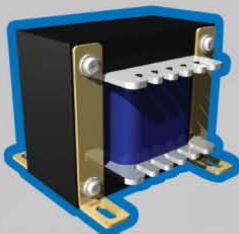
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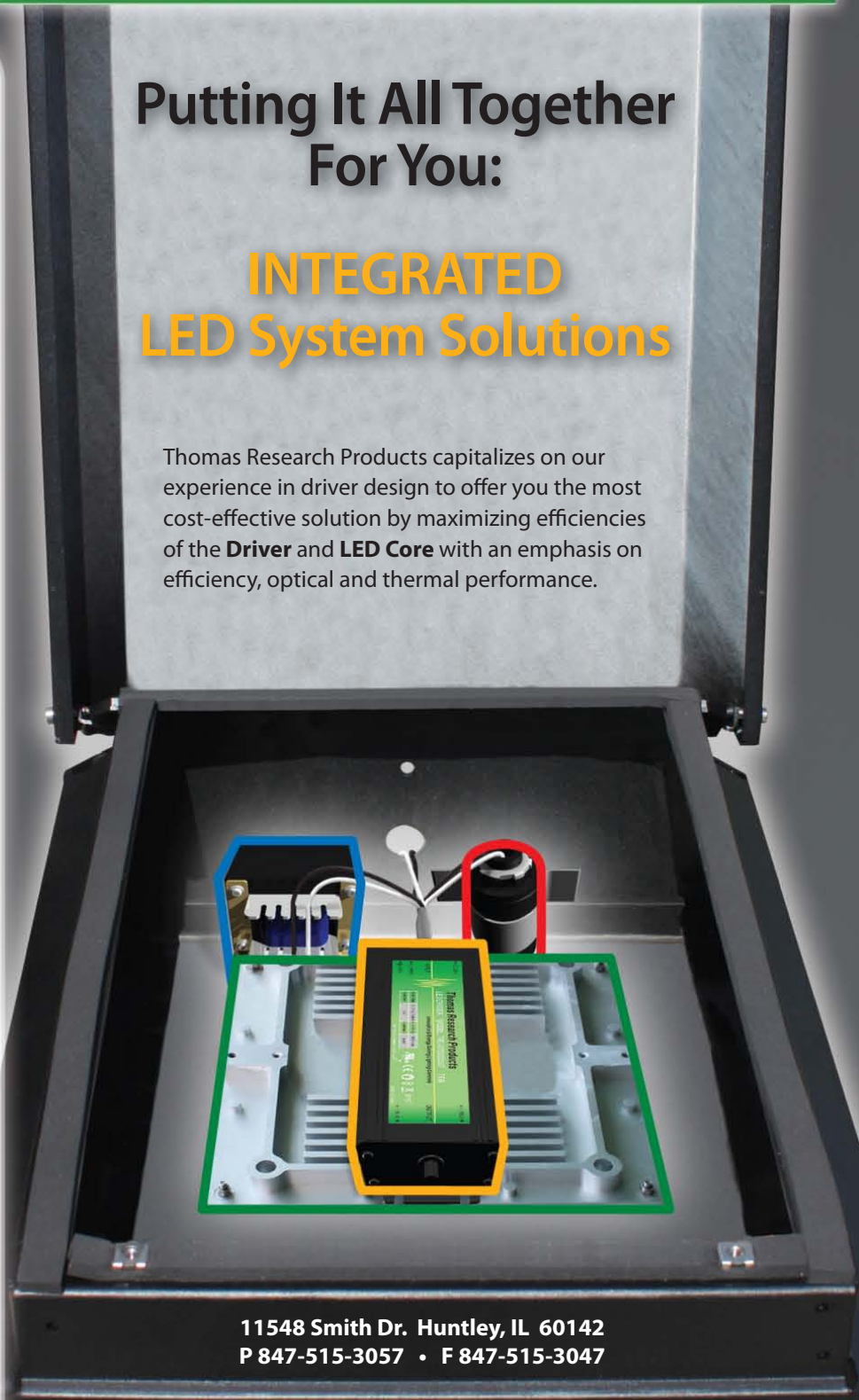
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- PLN/HLN series** 20W ~ 96W
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- CLG series** 60W ~ 150W
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 - Suitable for LED street lighting, outdoor LED lighting, LED display



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- Luminaire board assembly and interconnect (Level 3)
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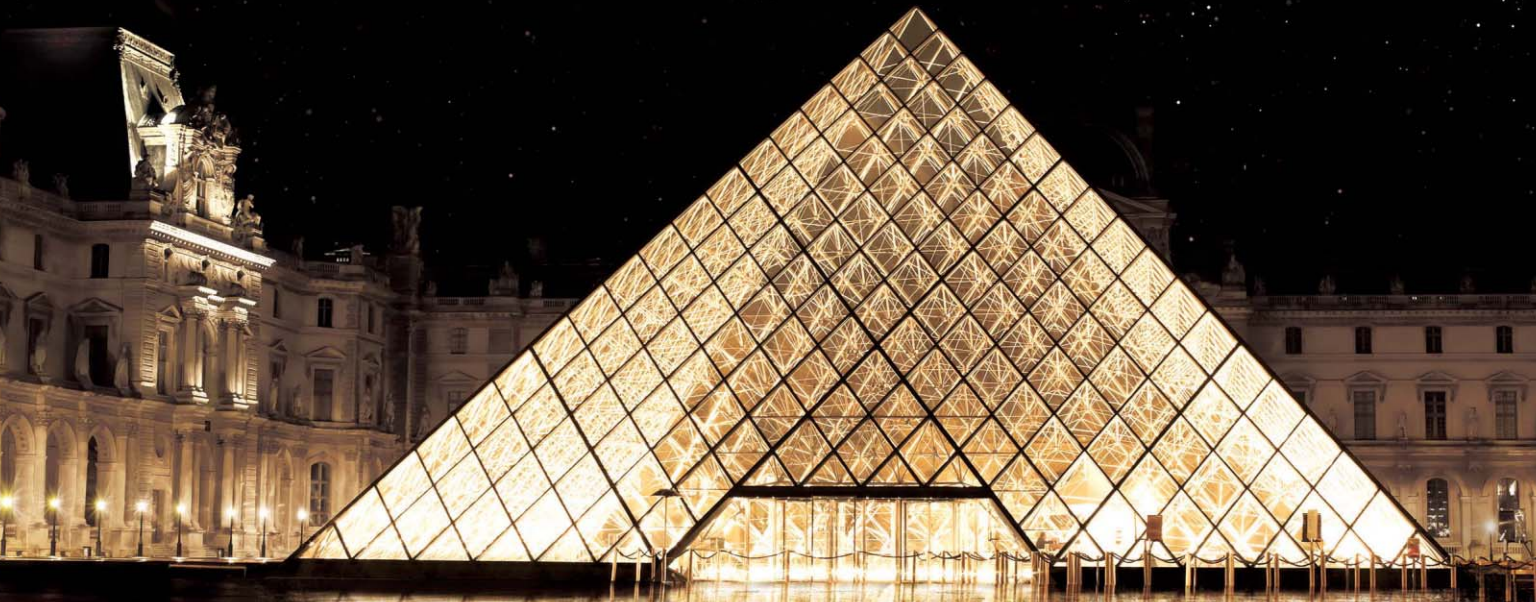


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Toshiba LEDs illuminate the splendours of the Louvre.



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When one of the world's most historic art museums decided to embrace the future by installing ultra energy-efficient lighting, Toshiba were grateful for the opportunity to become partners in ushering in a new era.

It's a masterstroke combining Toshiba's leading innovation in LED technologies with the Louvre's steadfast passion for maintaining the cultural arts and heritage.

A lighting project of unprecedented scale and importance for both Toshiba and The Louvre Museum,

some 3,200 Toshiba LED devices will greet the 8.5 million annual visitors at the entrance with the same intrinsic warm evening lighting ambience that the national landmark is renowned for.

For Toshiba, it's a great opportunity to demonstrate how our ultra-efficient LED solutions can provide superior energy savings by up to 73%* compared to traditional incandescent lighting, while offering lighting that lasts several times longer. What's more, the benefits are beyond just ecological: Toshiba LEDs afford a customised on-site installation and

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For over 120 years, Toshiba have appreciated how lighting affects people on an emotional and even cultural level. As one of the world's foremost eco-companies, illuminating the Louvre is just one example of how Toshiba take a proactive approach towards creating real value and promoting lifestyles in harmony with the Earth.

*Comparison between current xenon lighting system (4500 units, consumed power of 392,000W) and Toshiba LED lighting system (3200 units, consumed power of 105,000W).



<http://www.toshiba.co.jp/lighting/about/louvre.htm>

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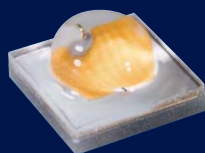
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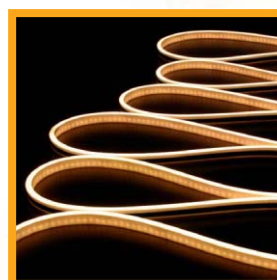
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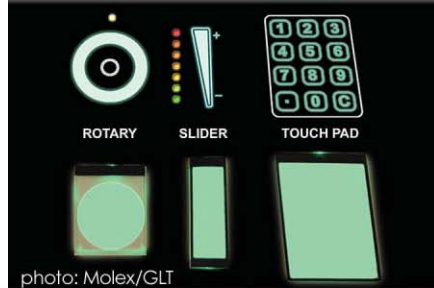


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Apple Lighting Corp
Arani
Archipelago Lighting
Armadillo LED
ATG Electronics Corp
Bazi (Thailand) Co Ltd
Bingk LED Technology India
BMD Lighting Co Ltd
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Chen Ming Industrial Co Ltd
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Clean Light Green Light



Color Stars Inc
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CYRON Lighting
Dai Shin Technologies Inc
Danson Electronics Ltd
Del International
Denggang Lighting Technology Co Ltd
DigiLighting Inc
DongFang Bros Electronic Co Ltd
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EO Lighting
Estar LED Light Co Ltd
ETEC Lighting Co Ltd
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EuLED Ltd
Everbright Lights Inc



Everlight Electronics Co Ltd
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Fiberdyne Energy/Edison LED
Firefly LED Lighting Inc
Firefly Technology Corp
Fobsun Electronics Ltd



Fusion Optix
■ See ad on page 32

Fuzhou Morstar Electric Technology Co Ltd
GloPlus
GRE Alpha Electronics Ltd
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Green Creative LLC
Green Performance Lighting
Green Supply
HBA Tech Ltd



Heatron Inc

Hephas Co Ltd
Hokuriku Malaysia Sdn Bnd
Holland Solutions Ltd
House Lighting Co Ltd
Innovative LED Lighting Inc
i-vision Lighting Solutions Ltd
JD Greentech-Global Inc
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Jireh Optoelectronics
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Sielement LED Lights
Signcomplex Ltd
■ See ad on page 75
Smart Technologies Electronics Ltd
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Spark LED Lighting (HK) Co Ltd
Stellaray Technology Ltd
Stouch Lighting
Sunenergy1
Surface Mount Techniques SMT
Taiwan Oasis Technology Co Ltd

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UPEC Electronics Corp
VAOPTO



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■ See ad on page 6

Macroblock Inc
Marc LED Ltd



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Millennium Visual Systems
MIRROR Lighting Inc
Nav-comm
Neo-Neon LED Lighting International Ltd
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NET LED Lighting
Next Generation Lights Inc



Nexus Lighting Inc

ONLY Technology LTD
OPTILED Lighting
Opulent Technologies Inc
Philips Lighting Co



PROLED - MBN GmbH
■ See ad on page 72



Tempo Industries

ThermoKing Technology Int'l Corp
Thinkwise Lighting



Top Energy Saving System Corp (TESS)

Toshiba Corp New Lighting Systems Div
Trilux LED Lighting Industry Corp
Tri-State LED
Twin Hill Co Ltd



UL - Underwriters Laboratories Inc
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Wellypower Optronics Co
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Zhuhai Mingyuan Lighting Co Ltd
ZMDI - Zentrum Mikroelektronik Dresden

LED REPLACEMENT LAMPS (INCANDESCENT)
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ALLEDS Lighting Corp
Allied Electronics



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Archipelago Lighting
ATG Electronics Corp
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BC Renewable Energy

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Green Technonology of Lightings



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CRS Electronics Inc
CYRON Lighting
Dai Shin Technologies Inc
Danson Electronics Ltd
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Denggang Lighting Technology Co Ltd
Diamond LED Lighting
DigiLighting Inc
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DuraComm Lighting
Dynamic LED Ltd
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Energyled Corp
Energy Tech Solutions LLC
enLux Lighting
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Green Lighting LED
Green Performance Lighting
Green Supply



Halco Lighting Technologies




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Holland Solutions Ltd
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Solais Lights for Life Ltd
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Top Energy Saving System Corp (TESS)

Toshiba Corp New Lighting Systems Div
Trilux LED Lighting Industry Corp
Tri-State LED
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US Eco-Light




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Bingk LED Technology India
BMT Group
Carson Technology Co Ltd
Catalyst LED's
Cerno
ChinaSunshiny GreenPower Lighting Technology Co Ltd
Clean Light Green Light
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section 8 | **LED LIGHTING**


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Green Lighting LED
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Lighting Science Group Corp
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Luums International BV
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EDISON

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SUNON®
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Watt Works Inc
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Xiamen Xing Henglong Lighting Technology Co Ltd
Xing Henglong Lighting Technology Co Ltd

Fobsun Electronics Ltd



Fusion Optix
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Shenzhen Greeup Optoelectronic Co Ltd
Shenzhen Jiuzhou Optoelectronics
Shenzhen MR Photoelectricity Co Ltd
Shenzhen Spark Optoelectronics
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Smart Technologies Electronics Ltd
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GlacialLight

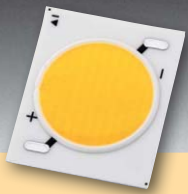


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HIGH COLOUR RENDERING INDEX



[IC]

[OPTO]

[LED]

[LCD]

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REFRIGERATED CABINET LIGHTING

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Allied Electronics



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Atlanta Light Bulbs
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Earth Energy Solutions Group
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LEDs N Solar
Light Emitting Designs LLC
Liteon France
Lumicrest Lighting Solutions Inc
Lumoluce
Luums International BV

Lynk Labs Inc
■ See ad on page 6

Neo-Neon LED Lighting International Ltd
Oree Advanced Illumination Ltd
Quasar Light Co Ltd
Rayconn Electronics Co Ltd
Seesmart Inc
Selectronic
Shenzhen Bright Lighting Technology
Signcomplex Ltd
■ See ad on page 75
Spark LED Lighting (HK) Co Ltd
Tri-State LED

UL - Underwriters Laboratories Inc
■ See ad on page 98

RETAIL DISPLAY LIGHTING

Aeon Lighting Technology Inc
■ See ad on page 27

Aladdin Lighting Technologies Inc
ALLEDS Lighting Corp

American Bright Optoelectronics Corp
■ See ad on page 17

Amerlux
AppLED BV
ATG Electronics Corp

Beautiful Light Technology Corp
■ See ad on page 79

Bingk LED Technology India

Brillianz Electronic Systems Ltd

Canada LEDs
Carson Technology Co Ltd
C Crane Co Inc

Color Stars Inc
■ See ad on page 83

Cooliance Inc
CraLux Lighting
Del International
DigiLighting Inc

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section 8 | **LED LIGHTING**

Eco Marketing
EcoTek Lighting



Edison Opto Corp
■ See ad on page 21

Edlux Luminaire
E-Lite OptoTech Co Ltd
Elumina Technology Inc
Energyled Corp
EnvironmentalLights.com
EO Lighting
Eternaleds Inc
Etrilum



Everlight Electronics Co Ltd
■ See ad on page 11

Fiberdyne Energy/Edison LED
Firefly LED Lighting Inc



Fusion Optix
■ See ad on page 32



Future Lightings Solutions
■ See ad on page 62

Green Supply



Halco Lighting Technologies



Heatron Inc

Holland Solutions Ltd
Illumination Optics Inc
Illumination Unlimited USA Inc



INNOVATIONS IN OPTICS

Innovations in Optics Inc

ITC Inc
i-vision Lighting Solutions Ltd
Jason Fidelity Consulting Ltd
JD Greentech-Global Inc
LED Concepts
LED-LES
LED Lighting Inc
LED Lights Canada
LEDnovation Inc
LED Power Inc
LEDs N Solar
LED Source
LEDtronics Inc
LED Waves
Lighting and Production Resources
Liteon France
Lumoluce



Lynk Labs Inc
■ See ad on page 6

Macroblock Inc



Matrix Lighting Ltd
■ See ad on inside front cover

Motif Architectural Lighting
Neo-Neon LED Lighting International Ltd



Nexus Lighting Inc

Optical Illumination Corp
OPTILED Lighting
Oree Advanced Illumination Ltd
Outwater Plastics Industries Inc
Permlight for Signs
Phoster Industries
PowerLED Lighting Corp



PROLED - MBN GmbH
■ See ad on page 72

Rayconn Electronics Co Ltd
Rosco Laboratories Inc
Sagitario Lighting SLU
SchahLED Lighting
Selectronic
Shanghai Yaming-Lighting Co Ltd
Shenzhen Jiuzhou Optoelectronics
Silvermere Group
Spark LED Lighting (HK) Co Ltd
SSLI Ltd
Sunsify International
Tecartex Digital Solutions SL



Top Energy Saving System Corp.

Top Energy Saving System Corp (TESS)

Tri-State LED



UL - Underwriters Laboratories Inc
■ See ad on page 98

UPEC Electronics Corp



Verbatim Americas LLC

Vexica Technology Ltd
Wessel LED Lighting Systems



YUYANG DNU Co Ltd
■ See ad on page 4

YYZ Systems Inc

SOLAR-POWERED & OFF-GRID LIGHTING


Advanced LEDs Ltd
Advanced Thermal Devices Inc

section 8 | **LED LIGHTING**

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Aeon Lighting Technology Inc
■ See ad on page 27



American Bright Optoelectronics Corp
■ See ad on page 17

Arani
Bare Development Inc
BC Renewable Energy
BG-LED.com
BH Design Plus
Carmanah Technologies Corp




Color Stars Inc
■ See ad on page 83

CyberBiota Inc
DST
E-Lite OptoTech Co Ltd
EnergyMatrix
EnvironmentalLights.com
Fiberdyne Energy/Edison LED
Focus LLC



FrontAnD Technology
■ See ad on page 91

Fuzhou Morstar Electric Technology Co Ltd
Gautam Polymers



Heatron Inc

Illumination Optics Inc
i-vision Lighting Solutions Ltd
JD Greentech-Global Inc
The LED Advocacy Group
LED Argentina SA
LED Grow Master Global LLC
LEDs N Solar
LEDtronics Inc

Lighthouse WorldWide LLC
Ligitek Electronics Co Ltd
Liteon France
Luums International BV



Lynk Labs Inc
■ See ad on page 6

Neo-Neon LED Lighting International Ltd
Philips Lumec
Rachamalla Lighting Solutions Pvt Ltd
Rayconn Electronics Co Ltd
RenovaSolar Lda
S2 Innovative Products Group Ltd
Selectronic
Shenzhen Jiuzhou Optoelectronics
Shenzhen Spark Optoelectronics
SolarOne Solutions Inc
Sunsify International
Switch Lighting
Synapse Wireless Inc
Trilux LED Lighting Industry Corp
UNI-EE Electric Appliance Co Ltd
Urban Solar Corp
US Eco-Light
Visionaire Lighting




YUYANG DNU Co Ltd
■ See ad on page 4

Zetamar Elektronik Tic Ltd Sti

ARCHITECTURAL ENTERTAINMENT & DECORATIVE LIGHTING

BORDER/CONTOUR LIGHTING

AC Entertainment Technologies Ltd
Alhacen Light
Allied Electronics



American Bright Optoelectronics Corp
■ See ad on page 17

AppLED BV
Architectural FX Ltd
ATG Electronics Corp
Beta Opto Technology Co Ltd
Bingk LED Technology India
Boca Flasher
Bright View Technologies

Del International
Dellux International Inc
DigiLighting Inc
DigitaLicht AG
D-LED Illumination Technologies
Dynamic LED Ltd
EcoTek Lighting
Eden Park Illumination
E-Lite OptoTech Co Ltd
EnvironmentalLights.com
ETEC Lighting Co Ltd
Eyeleds International
Farralane Pro Lighting Audio & Video Systems
Fobsun Electronics Ltd




Fusion Optix
■ See ad on page 32

High Power Lighting Corp
Illumination Optics Inc
Illumination Physics
Impact Lighting Inc
Ing Elmar Schrutek
Innolux Pte Ltd
JD Greentech-Global Inc
JGA Associates/Bulbwizards
Juice Technology Ltd
Kara Jalmarit International Ltd
LEDcentre.uk.com
LEDKE Technology Co Ltd
LED Lighting Inc



LED Linear
linear lighting solutions
LED Linear GmbH
■ See ad on page 69

LEDs N Solar
LEDtronics Inc
LEDvista Ltd
Light Emission Technology Ltd
Lighting and Production Resources
LightWild
Logolight
Luums International BV
LuxInTec SL



Lynk Labs Inc
■ See ad on page 6

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Mica Lighting Co Inc

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75W Halogen



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Nichia Edge-lit

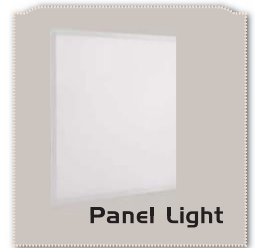


2012 Show Calendar

Apr. 15~20 Light + Building (Frankfurt)
Oct. 27~30 HK Lighting Fair (HongKong)

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SEMILEDs

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section 8 | **LED LIGHTING**

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Neon-LED International (HK) Ltd
OPTILED Lighting



Optocore Ltd

Opto Tech Corp
Orient Lighting Co Ltd
Outwater Plastics Industries Inc



PROLED - MBN GmbH
■ See ad on page 72

Quasar Light Co Ltd
Rayconn Electronics Co Ltd
RenovaSolar Lda
S2 Innovative Products Group Ltd
Sagitario Lighting SLU
Selectronic
Shanghai Yaming-Lighting Co Ltd
Shenzhen Bang-Bell Electronics
■ See ad on page 111
Shenzhen Jiuzhou Optoelectronics
Signcomplex Ltd
■ See ad on page 75
SolidApollo
Spark LED Lighting (HK) Co Ltd
Super Service System
Tokistar Lighting Inc



USHIO America

usLEDsupply
VAOPTO



Verbatim Americas LLC

Wamco Inc
Wessel LED Lighting Systems
X Design Led Lighting


DECORATIVE & HOLIDAY LIGHTING

Acoya Illumination



Aeon Lighting Technology Inc
■ See ad on page 27

Alhacen Light
Allied Electronics



American Bright Optoelectronics Corp
■ See ad on page 17

AppLED BV
ATG Electronics Corp
Beadlight
Bingk LED Technology India
Bright View Technologies
ChiHua Lighting Technology Co Ltd
CYRON Lighting
DG Lighting Technology Co Ltd
DigiLighting Inc
Digitalicht AG
DMX LED Lights
Dongguan Jingliang Lighting Factory
Dynamic LED Ltd
EcoTek Lighting
Eden Park Illumination
E-Lite OptoTech Co Ltd
Eneltec Group
EnvironmentalLights.com
ETEC Lighting Co Ltd



Everlight Electronics Co Ltd
■ See ad on page 11

Eyeleds Canada
Fobsun Electronics Ltd
High Power Lighting Corp
Illumination Physics
Innovative Custom Lighting Inc
JD Greentech-Global Inc
Lanzarote LED
LEDs N Solar
LEDtronics Inc
LEDvista Ltd
Light Emission Technology Ltd
Lighting and Production Resources
Light Solution
Logolight
Lutron Electronics
Luums International BV

LuxInTec SL
Macroblock Inc
Mica Lighting Co Inc
Motif Architectural Lighting
Neo-Neon LED Lighting International Ltd
Neon-LED International (HK) Ltd
ONLY Technology LTD
OPTILED Lighting
Opulent Technologies Inc



PROLED - MBN GmbH
■ See ad on page 72

Quasar Light Co Ltd
Rayconn Electronics Co Ltd
RenovaSolar Lda
Rosco Laboratories Inc
Sagitario Lighting SLU
Selectronic
Shenzhen Bright Lighting Technology
Shenzhen Hongxing Lighting Co Ltd
Shenzhen Lamp Technology Co Ltd
Signcomplex Ltd
■ See ad on page 75
Spark LED Lighting (HK) Co Ltd
Super Service System
Tokistar Lighting Inc
TOP LED Ltd
Unilumin Group Co Ltd
UPEC Electronics Corp
VAOPTO


FLOODLIGHTS, WALL-WASHERS, BATTENS

3elamp
Abacus Lighting Ltd
AC Entertainment Technologies Ltd
Acoya Illumination
Advanced LEDs Ltd



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Alhacen Light
Alliance Optotek Corp
Allied Electronics



American Bright Optoelectronics Corp
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section 8 | **LED LIGHTING**

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Armadillo LED
ATG Electronics Corp
Bare Development Inc
Beacon Products
BG-LED.com
BH Design Plus
Bingk LED Technology India
Bright View Technologies
CAO Group Inc

ColorStars

Color Stars Inc
■ See ad on page 83

CoolLED Ltd
Del International
Denggang Lighting Technology Co Ltd
Designplan Lighting Inc
DG Lighting Technology Co Ltd
Diamond LED Lighting
DigiLighting Inc
DigitaLicht AG
D-LED Illumination Technologies
Dynamic LED Ltd
Eclipse Lighting Inc

ecomaa LIGHTING

Ecomaa Lighting Inc

Eden Park Illumination
EE Green Lighting
TheElectricWeb.com
E-Lite OptoTech Co Ltd
EnvironmentalLights.com
EO Lighting
Etrilum
Everbright Lights Inc

EVERLIGHT

Everlight Electronics Co Ltd
■ See ad on page 11

Eyeleds International
Fine Technix Co Ltd
Firefly LED Lighting Inc
Fobsun Electronics Ltd

FRONTAND Technology

FrontAnD Technology
■ See ad on page 91

Fusion Optix

Fusion Optix
■ See ad on page 32

Geospec Enterprises
GP Lighting Technology
GRE Alpha Electronics Ltd
■ See ad on page 18
Green Lighting LED
HBA Tech Ltd
Helios LED Lightronics Pvt Ltd
High Power Lighting Corp
Hokuriku Malaysia Sdn Bnd
Illumination Optics Inc
Illumination Physics
Impact Lighting Inc

INNOVATIONS IN OPTICS

Innovations in Optics Inc

i-Tunnel (Indal Group)
JD Greentech-Global Inc

KHATOD® LENSES FOR POWER LED

Khatod Optoelectronic

LED Linear linear lighting solutions

LED Linear GmbH
■ See ad on page 69

Led Mode Ltd
LedScene sa
LEDs N Solar
LEDtronics Inc
LEDvista Ltd
Light Emission Technology Ltd

Lighting and Production Resources
Lighting Orient Co Ltd
Light Ocean Technology Corp
Ligitek Electronics Co Ltd
Lingshan Trading Co Ltd
Lumenarex Inc
Lumenpulse
Lumi Lime Ltd
Luums International BV
LuxInTec SL

LYNK LABS

Lynk Labs Inc
■ See ad on page 6

Macroblock Inc
Nanker LED Lighting Ltd
Neo-Neon LED Lighting International Ltd
Neon-LED International (HK) Ltd
Notis Design
OPTILED Lighting
Opto Tech Corp

SYLVANIA

OSRAM SYLVANIA
■ See ad on page 97

Philips Hadco
Philips Lighting UK
Prime Light Pte Ltd

PROLED®

PROLED - MBN GmbH
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Protect-R-Shield
Quasar Light Co Ltd
Rayconn Electronics Co Ltd
RenovaSolar Lda
Sagitario Lighting SLU
Seesmart Inc
Selectronic
Senso Lighting Inc
Shanghai Yaming-Lighting Co Ltd
Shenzhen Bright Lighting Technology
Shenzhen Greup Optoelectronic Co Ltd
Shenzhen Hongxing Lighting Co Ltd
Shenzhen Jiuzhou Optoelectronics
Shenzhen Lamp Technology Co Ltd
Shree Ram Electronics
Signcomplex Ltd
■ See ad on page 75
Silvermere Group

section 8 | **LED LIGHTING**

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Smart Technologies Electronics Ltd
SolarOne Sololutions Inc
SolidApollo
Solid State Luminaires
Spark LED Lighting (HK) Co Ltd
Sunna Energy Pvt Ltd
Super Service System
Traxon Technologies Ltd



UL - Underwriters Laboratories Inc
■ See ad on page 98

UNI-EE Electric Appliance Co Ltd
Unilumin Group Co Ltd
UPEC Electronics Corp
VAOPTO



Verbatim Americas LLC

X Design Led Lighting



YUYANG DNU Co Ltd
■ See ad on page 4

ZEISST GmbH

IN-GROUND LUMINAIRES



Aeon Lighting Technology Inc
■ See ad on page 27

APACK Inc
AppLED BV
ATG Electronics Corp
Atmos Lighting Ltd
Beacon Products
BH Design Plus
Bingk LED Technology India
Continental Inc
Del International
Denggang Lighting Technology Co Ltd
DG Lighting Technology Co Ltd
DigitaLicht AG
DMS Lighting LLC
Dynamic LED Ltd

Eden Park Illumination
E-Lite OptoTech Co Ltd
Eneltec Group
EnvironmentalLights.com
EO Lighting



Everlight Electronics Co Ltd
■ See ad on page 11

Eyeleds Canada
Eyeleds International
Fobsun Electronics Ltd



Fusion Optix
■ See ad on page 32

GlacialLight
Illumination Physics
JD Greentech-Global Inc



Khatod Optoelectronic

LEDaquariums
LEDs N Solar
LEDvista Ltd
Light Emission Technology Ltd
Lighting and Production Resources
Light Solution
Luums International BV
LuxInTec SL
Macroblock Inc
Neo-Neon LED Lighting International Ltd
OPTILED Lighting
Philips Hadco



PROLED - MBN GmbH
■ See ad on page 72

Rayconn Electronics Co Ltd
RenovaSolar Lda
Sagitario Lighting SLU
Senslite Corp
Shanghai Yaming-Lighting Co Ltd
Shree Ram Electronics
Signcomplex Ltd
■ See ad on page 75

SolidApollo
Spark LED Lighting (HK) Co Ltd
Sunna Energy Pvt Ltd
Tecartex Digital Solutions SL
VAOPTO
Wessel LED Lighting Systems
X Design Led Lighting

MARKER LIGHTS, UPLIGHTS

AC Entertainment Technologies Ltd
Allied Electronics



American Bright Optoelectronics Corp
■ See ad on page 17

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ATG Electronics Corp
BH Design Plus
Binay Opto Electronics Pvt Ltd
Bingk LED Technology India
Del International
DigitaLicht AG
Dongguan Jingliang Lighting Factory
Eden Park Illumination
EnvironmentalLights.com
EO Lighting



Everlight Electronics Co Ltd
■ See ad on page 11

Eyeleds Canada
Eyeleds International
GlacialLight
High Power Lighting Corp
Illumination Optics Inc
Illumination Physics
Kara Jalmarit International Ltd



LEDdynamics Inc

LEDs N Solar
LEDtronics Inc
LEDvista Ltd
Light Emission Technology Ltd
Lighting and Production Resources
Light Ocean Technology Corp
LuxInTec SL
Macroblock Inc
Neo-Neon LED Lighting International Ltd
Neon-LED International (HK) Ltd

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section 8 | LED LIGHTING

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RenovaSolar Lda
S2 Innovative Products Group Ltd
Sagitario Lighting SLU
Selectronic
Shenzhen Jiuzhou Optoelectronics
Shenzhen MR Photoelectricity Co Ltd
Signcomplex Ltd
■ See ad on page 75
SolidApollo
UNI-EE Electric Appliance Co Ltd
VAOPTO
Wessel LED Lighting Systems
X Design Led Lighting

MOVING HEAD PROJECTORS

Impact Lighting Inc




Ledlink Optics Inc
■ See ad on page 5

LEDs N Solar
Lighting and Production Resources
LuxInTec SL
Macroblock Inc
MTEC GmbH
Neo-Neon LED Lighting International Ltd
RenovaSolar Lda
UNI-EE Electric Appliance Co Ltd
VAOPTO

PANELS/TILES WITH LED BACKLIGHTING

Allied Electronics



American Bright Optoelectronics Corp
■ See ad on page 17

ATG Electronics Corp
Beadlight
BH Design Plus
Bingk LED Technology India
Bitro Group Inc
Brightcast Co Ltd
Carmanah Signs
Denggang Lighting Technology Co Ltd
DG Lighting Technology Co Ltd
DigiLighting Inc
DigitaLicht AG
Dongguan Jingliang Lighting Factory
Edgelit Acrylics LLC
Energyled Corp
EnvironmentalLights.com
EO Lighting



Everlight Electronics Co Ltd
■ See ad on page 11

Farralane Pro Lighting Audio & Video Systems
Fine Technix Co Ltd
Fobsun Electronics Ltd



Fusion Optix
■ See ad on page 32

GlacialLight
GRE Alpha Electronics Ltd
■ See ad on page 18
High Power Lighting Corp
Illinois LED Products Inc
Illumination Optics Inc
JD Greentech-Global Inc
LEDaquariums
LED Concepts
LedScene sa
LEDs N Solar
LED Source
LEDtronics Inc
LEDvista Ltd
Lighting and Production Resources
Light Ocean Technology Corp
LightWild
Logolight
LumiCe Co Ltd
LuxInTec SL



Lynk Labs Inc
■ See ad on page 6

Medical Lighting Systems
Mimaki ECO Lighting Solutions
Nanker LED Lighting Ltd
Neo-Neon LED Lighting International Ltd
Neon-LED International (HK) Ltd
ONLY Technology LTD
Oree Advanced Illumination Ltd



OSRAM SYLVANIA
■ See ad on page 97

Prime Light Pte Ltd
Quasar Light Co Ltd
Rosco Laboratories Inc
Sagitario Lighting SLU
SAKMA Electronica Industrial SA
Selectronic
Shenzhen Greeup Optoelectronic Co Ltd
Shenzhen Lamp Technology Co Ltd
Shenzhen MR Photoelectricity Co Ltd
SolidApollo
Spark LED Lighting (HK) Co Ltd
Stellaray Technology Ltd



UL - Underwriters Laboratories Inc
■ See ad on page 98

VAOPTO
Wessel LED Lighting Systems
World of Lights LED Solutions Inc



YUYANG DNU Co Ltd
■ See ad on page 4

YYZ Systems Inc

TV, FILM & STAGE LIGHTING

AC Entertainment Technologies Ltd
Allied Electronics
AppLED BV
ATG Electronics Corp
Brightcast Co Ltd
Cepoint Networks LLC
DigitaLicht AG
D-LED Illumination Technologies



Ecomaa Lighting Inc

eldoLED America Inc



eldoLED BV

Elkays Electronics

section 8 | LED LIGHTING

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Everlight Electronics Co Ltd
■ See ad on page 11

Verbatim

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KLUS

KLUS

Fusion Optix

Fusion Optix
■ See ad on page 32

UNDERWATER LUMINAIRES

ALT

Aeon Lighting Technology Inc
■ See ad on page 27

LED Linear
linear lighting solutions

LED Linear GmbH
■ See ad on page 69

GRE Alpha Electronics Ltd
■ See ad on page 18
JD Greentech-Global Inc

All Brite International Co Ltd

Amphenol LTW

Amphenol LTW Technology Co Ltd

LEDaquariums

LEDs N Solar
Lighting and Production Resources
Lighting Orient Co Ltd
Lumenpulse
LuxInTec SL
Macroblock Inc
Mango Electronics
National LED Direct
Neo-Neon LED Lighting International Ltd
Prime Light Pte Ltd

KONICA MINOLTA
SENSING AMERICAS, INC.

Konica Minolta Sensing Americas Inc

LEDs N Solar
LED Source
Lighting and Production Resources
LuxInTec SL

LYNK LABS

Lynk Labs Inc
■ See ad on page 6

AppLED BV
Aquadelight
ATG Electronics Corp
Bingk LED Technology India

ColorStars

Color Stars Inc
■ See ad on page 83

PROLED

PROLED - MBN GmbH
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Macroblock Inc
Mica Lighting Co Inc
MTEC GmbH
Neo-Neon LED Lighting International Ltd
opsira GmbH
Opto Tech Corp

Del International
Denggang Lighting Technology Co Ltd
DG Lighting Technology Co Ltd
DigitalLicht AG
E-Lite OptoTech Co Ltd
Eneltec Group
EO Lighting
Eyeleds International
Fobsun Electronics Ltd
GP Lighting Technology
Green 4 All Energy Solutions
Helios LED Lightronics Pvt Ltd
Impact Lighting Inc
Ing Elmar Schrutek
JD Greentech-Global Inc

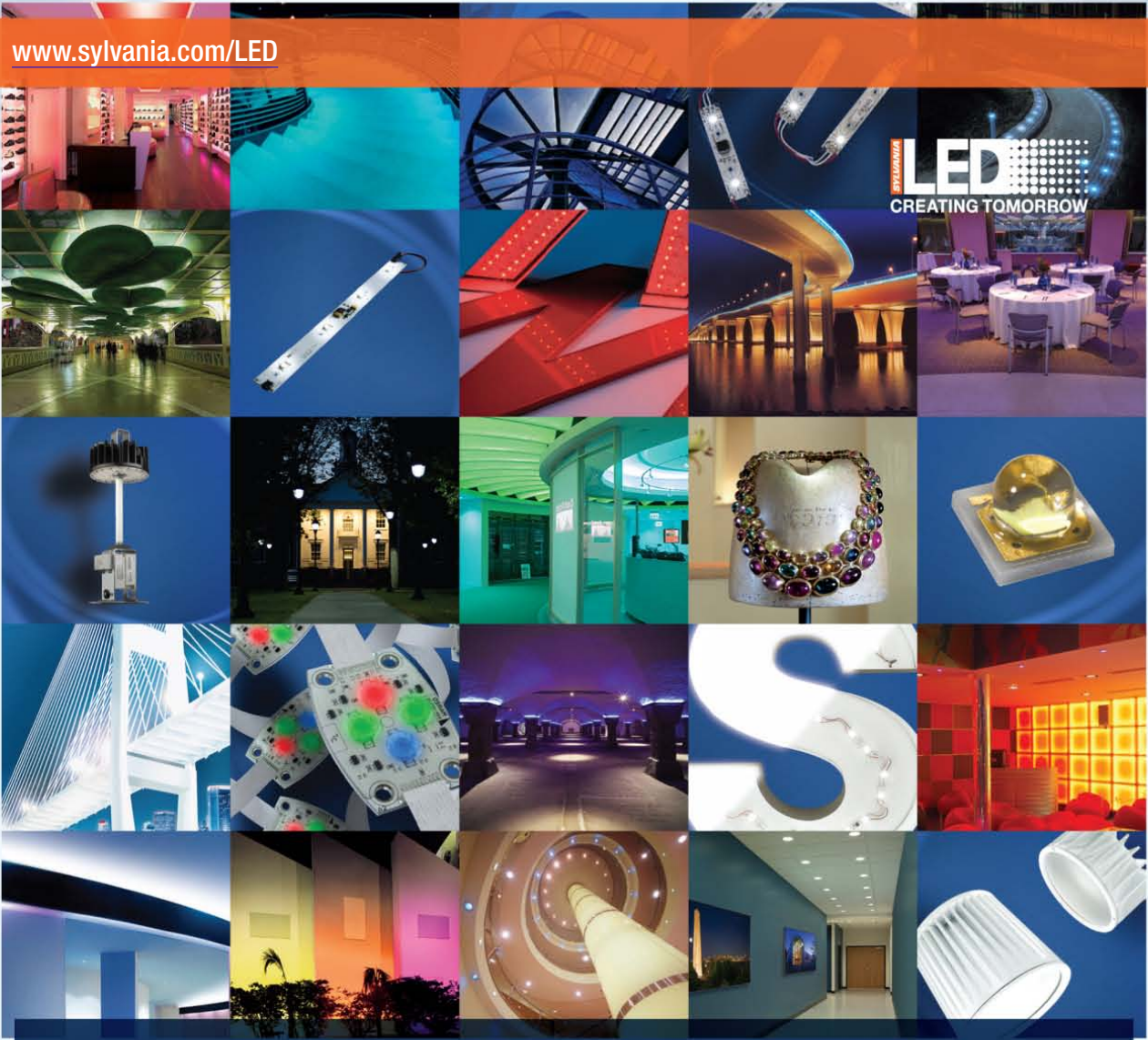
Rayconn Electronics Co Ltd
RenovaSolar Lda
Sagitario Lighting SLU
Shanghai Yaming-Lighting Co Ltd
Shree Ram Electronics
Signcomplex Ltd
■ See ad on page 75
Spark LED Lighting (HK) Co Ltd
VAOPTO
X Design Led Lighting

SYLVANIA

OSRAM SYLVANIA
■ See ad on page 97

Rosco Laboratories Inc
Signcomplex Ltd
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VAOPTO

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SECTION 9

LEDs MAGAZINE

LED DISPLAYS AND SIGNS

DISPLAYS & SIGNS

ALPHANUMERIC DISPLAYS, TICKERS, SCOREBOARDS

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American Bright Optoelectronics Corp
■ See ad on page 17

ATG Electronics Corp
CAO Group Inc
Carmanah Signs
ChromeLED Corp
Coolux Electro-optics Co Ltd
DMX LED Lights
EBV Elektronik
■ See ad on page 101
Ekta
Electrobrain Enterprises



Everlight Electronics Co Ltd
■ See ad on page 11

JiaYao Industries Co Ltd
Kingbright Corp
Kingbright Electronic Europe GmbH
Konka LED
LED Signs Pty Ltd
LEDvista Ltd
Messagemaker Displays Ltd
MSC Vertriebs GmbH
Neo-Neon LED Lighting International Ltd
Opto Tech Corp
OSA Opto Light GmbH



OSRAM Opto Semiconductors GmbH
■ See ad on page 67

Prime Light Pte Ltd

Retop LED Display Co Ltd
ROHM Semiconductor USA LLC
Salient Pty Ltd
Selectronic
Shenzhen Absen Industry Co Ltd
Shenzhen Jiuzhou Optoelectronics
Shenzhen Lamp Technology Co Ltd
Shenzhen LCF Tec Co Ltd
Shenzhen MR Photoelectricity Co Ltd
Spark LED Lighting (HK) Co Ltd
Taiwan Oasis Technology Co Ltd
Tally Display Corp
UNI-EE Electric Appliance Co Ltd
VAOPTO
viviLED Display Co
Vvview Optoelectronic Technology Co Ltd

BILLBOARDS

Alliance Optotek Corp
Allied Electronics
APACK Inc
Apron Teknoloji
ATG Electronics Corp
BG-LED.com
Carmanah Signs
CD2 BV
Coolux Electro-optics Co Ltd
CS Bright Corp
DMX LED Lights
EcoTek Lighting
Ekta
Electrobrain Enterprises
EO Lighting
GP Lighting Technology
JiaYao Industries Co Ltd
Konka LED
LED Screens Pty Ltd
LED Signs Pty Ltd
LEDvista Ltd
Linear Technology
Messagemaker Displays Ltd
Milliken Distribution
Neo-Neon LED Lighting International Ltd
NES Light



Optocore Ltd

Opto Tech Corp
Retop LED Display Co Ltd
Sagitario Lighting SLU
Shenzhen Absen Industry Co Ltd
Shenzhen Jiuzhou Optoelectronics
Shenzhen LCF Tec Co Ltd
Shenzhen MR Photoelectricity Co Ltd
Shenzhen Top Technology Co Ltd
Shenzhen Topvision Optoelectronic Technology Co Ltd



UL - Underwriters Laboratories Inc
■ See ad on page 98

VAOPTO
viviLED Display Co
Vvview Optoelectronic Technology Co Ltd
Wall Industries Inc



YUYANG DNU Co Ltd
■ See ad on page 4

EXIT & EMERGENCY SIGNS

Allied Electronics



American Bright Optoelectronics Corp
■ See ad on page 17

Andy Optoelectronic Co Ltd
ATG Electronics Corp
Beacon Concepts
Chloride Systems
ChromeLED Corp
Coolux Electro-optics Co Ltd
Denggang Lighting Technology Co Ltd
DG Lighting Technology Co Ltd
EnvironmentalLights.com
EO Lighting

section 9 | LED DISPLAYS AND SIGNS

GP Lighting Technology
LEDtronics Inc
LEDvista Ltd
LightGuard
Ligitek Electronics Co Ltd
MIRROR Lighting Inc
Neo-Neon LED Lighting International Ltd
Neon-LED International (HK) Ltd
Opulent Technologies Inc
Selectronic
Spark LED Lighting (HK) Co Ltd



UL - Underwriters Laboratories Inc
■ See ad on page 98

UNI-EE Electric Appliance Co Ltd
VAOPTO
Visual Dimensions NA Inc

HIGH RESOLUTION INDOOR VIDEO SCREENS

Allied Electronics
Alpha View
Apron Teknoloji
ATG Electronics Corp
CD2 BV
Coolux Electro-optics Co Ltd
Creative Technology US
CT Creative Technology
Dongguan Jingliang Lighting Factory
Edge Electronics Inc
Ekta
Electrobrain Enterprises
EO Lighting



FrontAnD Technology
■ See ad on page 91

Fulsun Led Display
Industrial Computing
JiaYao Industries Co Ltd



Konica Minolta Sensing Americas Inc

Konka LED
KustomXpress.com
Macroblock Inc
Messagemaker Displays Ltd
Milliken Distribution
MultiMedia Farms
Neo-Neon LED Lighting International Ltd
Opto Tech Corp

Power Audiovisual Rental Co
Retop LED Display Co Ltd



Sharp Microelectronics Europe
■ See ad on page 87

Shenzhen Absen Industry Co Ltd
Shenzhen Jiuzhou Optoelectronics
Shenzhen MR Photoelectricity Co Ltd
Shenzhen Top Technology Co Ltd
Shenzhen Topvision Optoelectronic Technology Co Ltd
Spark LED Lighting (HK) Co Ltd
Tally Display Corp
Traxon Technologies Ltd
Unilumin Group Co Ltd
VAOPTO
viviLED Display Co
Vvview Optoelectronic Technology Co Ltd

LARGE OUTDOOR VIDEO DISPLAYS

Allied Electronics
Alpha View



Amphenol LTW Technology Co Ltd

Apron Teknoloji
ATG Electronics Corp
Brite-LED Optoelectronics Inc
CD2 BV
Creative Technology US
CT Creative Technology
DigitalLicht AG
Digital Projection Inc
DongFang Bros Electronic Co Ltd
EcoTek Lighting
Edge Electronics Inc
Ekta
EO Lighting
Fulsun Led Display
GlacialLight
JiaYao Industries Co Ltd



Konica Minolta Sensing Americas Inc

Konka LED
LED Screens Pty Ltd
LED Signs Pty Ltd
Linear Technology
Macroblock Inc
Maxx LED Inc
Messagemaker Displays Ltd
Milliken Distribution

MTEC GmbH
MultiMedia Farms
Neo-Neon LED Lighting International Ltd
Neoti
Opto Tech Corp
Power Audiovisual Rental Co
Prime Light Pte Ltd
Protect-R-Shield
Retop LED Display Co Ltd
RGB Lights
Salient Pty Ltd
Selectronic



Sharp Microelectronics Europe
■ See ad on page 87

Shenzhen Absen Industry Co Ltd
Shenzhen Jiuzhou Optoelectronics
Shenzhen Lamp Technology Co Ltd
Shenzhen LCF Tec Co Ltd
Shenzhen MR Photoelectricity Co Ltd
Shenzhen Top Technology Co Ltd
Shenzhen Topvision Optoelectronic Technology Co Ltd
Spark LED Lighting (HK) Co Ltd
Tally Display Corp



UL - Underwriters Laboratories Inc
■ See ad on page 98

UNI-EE Electric Appliance Co Ltd
Unilumin Group Co Ltd
VAOPTO
viviLED Display Co
Vvview Optoelectronic Technology Co Ltd

MOBILE LED SCREEN TRAILERS, FRAMEWORKS

Alpha View
ATG Electronics Corp
Binay Opto Electronics Pvt Ltd
CD2 BV
EcoTek Lighting
Ekta
Industrial Computing
KustomXpress.com
LEDvista Ltd
Messagemaker Displays Ltd
MultiMedia Farms
Neo-Neon LED Lighting International Ltd
Neoti
Sagitaro Lighting SLU
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section 9 | LED DISPLAYS AND SIGNS

**MODULES FOR SIGNAGE
BACKLIGHTING**

Aladdin Lighting Technologies Inc



American Bright Optoelectronics Corp
■ See ad on page 17

ATG Electronics Corp
Beta Opto Technology Co Ltd
BG-LED.com
Bitro Group Inc
Boca Flasher
Brite-LED Optoelectronics Inc
CAO Group Inc
Coolux Electro-optics Co Ltd
EBV Elektronik
■ See ad on page 101
EcoTek Lighting
Edgelit Acrylics LLC
EFFLED
Ekta



Everlight Electronics Co Ltd
■ See ad on page 11

Fawoo Technology Co Ltd
Fobsun Electronics Ltd



Fusion Optix
■ See ad on page 32


GRE Alpha Electronics Ltd
■ See ad on page 18
Hana Vision



Heatron Inc

International Light
JENOPTIK Polymer Systems GmbH
JGA Associates/Bulbwizards
Kingbright Corp
Konka LED
LEDcentre.uk.com
LED Concepts
LED Screens Pty Ltd
LEDtronics Inc
LEDvista Ltd
LED Waves
LG Innotek

Ligitek Electronics Co Ltd
Lumi Lime Ltd



Lynk Labs Inc
■ See ad on page 6

Macroblock Inc
Maxx LED Inc
Mimaki ECO Lighting Solutions
MSC Vertriebs GmbH
MTEC GmbH
National LED Direct
Neo-Neon LED Lighting International Ltd
Neon-LED International (HK) Ltd
NET LED Lighting



Nu Horizons Electronics
An Arrow Company
■ See ad on page 15

Opulent Technologies Inc
Outwater Plastics Industries Inc
Permlight for Signs
Rosco Laboratories Inc
Sagitaro Lighting SLU
Selectronic



Sharp Microelectronics Europe
■ See ad on page 87

Shenzhen MR Photoelectricity Co Ltd
Spark LED Lighting (HK) Co Ltd
Stanley Electric Co Ltd (UK)
Taiwan Oasis Technology Co Ltd
UBLeds Co Ltd
VAOPTO
Wamco Inc
Wessel LED Lighting Systems



YUYANG DNU Co Ltd
■ See ad on page 4

YYZ Systems Inc


RENTAL COMPANIES

ATG Electronics Corp
CT Creative Technology
Ekta
LEDvista Ltd
MultiMedia Farms

Neoti
Power Audiovisual Rental Co
RGB Lights
Shenzhen LCF Tec Co Ltd
Shenzhen MR Photoelectricity Co Ltd
Shenzhen Top Technology Co Ltd
UNI-EE Electric Appliance Co Ltd
Unilumin Group Co Ltd

SEMI-TRANSPARENT DISPLAYS

AC Entertainment Technologies Ltd
Bitro Group Inc
CD2 BV
Creative Technology US
DigitaLicht AG
Ekta
Electrobrain Enterprises
Illumination Optics Inc
JiaYao Industries Co Ltd
LEDvista Ltd
Logolight



Lynk Labs Inc
■ See ad on page 6

Macroblock Inc
Neo-Neon LED Lighting International Ltd
Opto Tech Corp
Permlight for Signs
RGB Lights
Salient Pty Ltd
Shenzhen MR Photoelectricity Co Ltd
Shenzhen Top Technology Co Ltd
Taiwan Oasis Technology Co Ltd
Wessel LED Lighting Systems

VARIABLE MESSAGE SIGNS

Allied Electronics
ATG Electronics Corp
Bitro Group Inc
CS Bright Corp
DST
Ekta
Electrobrain Enterprises
Fawoo Technology Co Ltd
Fobsun Electronics Ltd
Guang Li-Light Power Technology
Hana Vision
JD Greentech-Global Inc
JiaYao Industries Co Ltd
KustomXpress.com
LEDvista Ltd
Logolight
Macroblock Inc
Maxx LED Inc
Nav-comm
Neo-Neon LED Lighting International Ltd
NES Light
Opto Tech Corp
Retop LED Display Co Ltd
Selectronic

section 9 | LED DISPLAYS AND SIGNS

Shenzhen Absen Industry Co Ltd
Shenzhen Jiuzhou Optoelectronics
Shenzhen Lamp Technology Co Ltd
Shenzhen MR Photoelectricity Co Ltd
Spark LED Lighting (HK) Co Ltd
Tally Display Corp
VAOPTO
viviLED Display Co
Vvivi Optoelectronic Technology Co Ltd
Wessel LED Lighting Systems
World of Lights LED Solutions Inc

Hamamatsu Corp
High Power Lighting Corp
Hirose Electric Co Ltd
International Light
Lextar Electronics Corp
LG Innotek
Light Ocean Technology Corp
Luminit

BACKLIGHTING & PROJECTION

BACKLIGHT UNITS (BLUS) AND COMPONENTS FOR LCDS



American Bright Optoelectronics Corp
■ See ad on page 17



Carclo Technical Plastics Ltd
■ See ad on page 30

ChiHua Lighting Technology Co Ltd
Coolux Electro-optics Co Ltd
Digi-Key Corp
Edge Electronics Inc
Edgelit Acrylics LLC



Edison Opto Corp
■ See ad on page 21



Everlight Electronics Co Ltd
■ See ad on page 11



Fusion Optix
■ See ad on page 32



Global Lighting Technologies
■ See ad on page 71



Lynk Labs Inc
■ See ad on page 6

NES Light



Nu Horizons Electronics
■ See ad on page 15



OSRAM Opto Semiconductors GmbH
■ See ad on page 67

Selectronic



SEOUL SEMICONDUCTOR
Seoul Semiconductor
■ See ad on front cover



Sharp Microelectronics Europe
■ See ad on page 87

Spark LED Lighting (HK) Co Ltd
Taiwan Oasis Technology Co Ltd
TAOS Inc
TPL Vision
UNI-EE Electric Appliance Co Ltd
UPEC Electronics Corp
VAOPTO
Wellypower Optronics Co



YUYANG DNU Co Ltd
■ See ad on page 4

DRIVERS FOR LCD BACKLIGHTING

Allegro MicroSystems Inc

■ See ad on page 57
Allied Electronics



AnalogicTech

Arrow Electronics EMEA
Coolux Electro-optics Co Ltd
Digi-Key Corp
Diodes Inc
Edge Electronics Inc
Endicott Research Group (ERG) Inc
Exclara
FSP Group USA
GlacialLight
GRE Alpha Electronics Ltd
■ See ad on page 18
Green Mark Inc
Kolektor Magma doo
LED Lighting Power Supplies
Linear Technology
Macroblock Inc



Microsemi Corp



Nu Horizons Electronics
■ See ad on page 15

On Semiconductor
Prema Semiconductor GmbH
Raled LLC



RECOM Power Inc
■ See ad on page 49



Sharp Microelectronics Europe
■ See ad on page 87

STMicroelectronics Inc

section 9 | LED DISPLAYS AND SIGNS



TEXAS INSTRUMENTS
Texas Instruments

TOSHIBA
Leading Innovation >>>
Toshiba Electronics Europe
■ See ad on page 64

UNI-EE Electric Appliance Co Ltd




YUYANG DNU Co Ltd
■ See ad on page 4

LIGHT SOURCES FOR PROJECTION SYSTEMS



Alpha-One Electronics Ltd



AMERICAN BRIGHT OPTOELECTRONICS CORP.
American Bright Optoelectronics Corp
■ See ad on page 17

ATG Electronics Corp
Digi-Key Corp
Digital Projection Inc
Dongguan Jingliang Lighting Factory
EBV Elektronik
■ See ad on page 101
Epi-Light Ltd

EVERLIGHT
Everlight Electronics Co Ltd
■ See ad on page 11

Goldeneye Inc
Greenlight Optics LLC



Heatron Inc

High Power Lighting Corp
Linear Technology
opsira GmbH



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OSRAM
Opto Semiconductors
OSRAM Opto Semiconductors GmbH
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ProLight Opto Technology Corp



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Spark LED Lighting (HK) Co Ltd
Taiwan Oasis Technology Co Ltd
UNI-EE Electric Appliance Co Ltd
Upstream Engineering Inc
VAOPTO

OPTICAL MATERIALS & COMPONENTS



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Bayer MaterialScience LLC
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Brewer Science Inc



carclo
technical plastics
Carclo Technical Plastics Ltd
■ See ad on page 30

Coolux Electro-optics Co Ltd
Dymax Corp
Ellsworth Adhesives
EMD Chemicals Inc



Fusion Optix
■ See ad on page 32

JENOPTIK Polymer Systems GmbH
Labsphere Inc
■ See ad on page 44
LeddarTech
Lextar Electronics Corp
LG Innotek
Lightscape Materials Inc
Lumi Lime Ltd
Luminit
LuxInTec SL
Materion Corp
Multiwave Corp

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Nu Horizons Electronics
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Phostech Optical Consulting & Patent Services

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Proto Labs Inc
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PTH Group

Shenzhen Jiuzhou Optoelectronics
Suncolor Corp
Sycamore Glass Components
Taiwan Oasis Technology Co Ltd
TAOS Inc
TT electronics Optoelectronic Business Unit
UNI-EE Electric Appliance Co Ltd
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SECTION 10

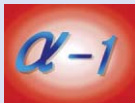
LEDs MAGAZINE

OTHER APPLICATIONS

MEDICAL & INDUSTRIAL LIGHTING

INSPECTION LIGHTING

Advanced illumination
Aladdin Lighting Technologies Inc



Alpha-One Electronics Ltd



American Bright Optoelectronics Corp
■ See ad on page 17

Coolux Electro-optics Co Ltd
Cool-View
Delta Light
Dolan-Jenner Industries



Ecomaa Lighting Inc

EO Lighting
Excelitas Technologies Corp
Fiberguide Industries Inc
GlacialLight
Golden Polymer Extrusion Technology Co Ltd
Hamamatsu Corp



Heatron Inc

Illumination Optics Inc
LDDLIGHT.com - LDD Trading Associates LLC

LEDtronics Inc
LuxInTec SL
PerkinElmer Inc
ProPhotonix Ltd
Quasar Light Co Ltd
Spark LED Lighting (HK) Co Ltd
Spectrum Illumination
VAOPTO

MACHINE VISION LIGHTING

Advanced illumination



Alpha-One Electronics Ltd



American Bright Optoelectronics Corp
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Coolux Electro-optics Co Ltd
Diana Electronic-Systeme GmbH
Digitalicht AG
Dolan-Jenner Industries
Elkays Electronics
EO Lighting
Epi-Light Ltd
Excelitas Technologies Corp
Fiberguide Industries Inc



Fusion Optix
■ See ad on page 32

GlacialLight
Golden Polymer Extrusion Technology Co Ltd
Hamamatsu Corp



Heatron Inc

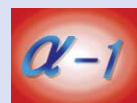
Illumination Optics Inc
INOV Optical Development
i-vision Lighting Solutions Ltd
LDDLIGHT.com - LDD Trading Associates LLC
Lightspeed Technologies Inc
LuxInTec SL
Marktech Optoelectronics
Operations Technology Inc
PerkinElmer Inc
ProPhotonix Ltd
Quasar Light Co Ltd
Rayconn Electronics Co Ltd
SCHOTT North America Inc
Shanghai BMT Automation
Spark LED Lighting (HK) Co Ltd
Spectrum Illumination
TPL Vision
UNI-EE Electric Appliance Co Ltd



USHIO America

VAOPTO
Wilbrecht Ledco Inc

MEDICAL & DENTAL LIGHTING



Alpha-One Electronics Ltd

section 10 | OTHER APPLICATIONS



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Carley Lamps
www.CommercialEcoLights.com
Coolux Electro-optics Co Ltd
Cool-View
DMX LED Lights
Dolan-Jenner Industries
Emergence Technology Consultants LLC
EO Lighting
Estar LED Light Co Ltd
EXALOS
Excelitas Technologies Corp
Fiberguide Industries Inc



Fusion Optix
■ See ad on page 32

FUTURELED GmbH
Hamamatsu Corp



Heatron Inc

Illumination Optics Inc
INOV Optical Development
JENOPTIK Polymer Systems GmbH
Kingbright Corp
LED Concepts
LED Eco Lights
Lextar Electronics Corp
Lumicrest Lighting Solutions Inc
LuxInTec SL
Medical Lighting Systems
Neon-LED International (HK) Ltd
Norlux
opsira GmbH



Opto Diode Corp

PerkinElmer Inc
ProPhotonix Ltd
Rayconn Electronics Co Ltd
SCHOTT North America Inc

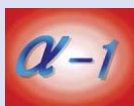
Selectronic
Spark LED Lighting (HK) Co Ltd



Sunonwealth Electric Machine Industry Co Ltd
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UNI-EE Electric Appliance Co Ltd
VAOPTO
Wilbrecht Ledco Inc
ZMDI - Zentrum Mikroelektronik Dresden

PHOTOTHERAPY LIGHTING



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Amphenol LTW Technology Co Ltd

Cool-View
Delta Light
Design LED Products
Excelitas Technologies Corp
Fiberguide Industries Inc
GlacialLight



Heatron Inc

LuxInTec SL
Medical Lighting Systems
Norlux



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PerkinElmer Inc
Quasar Light Co Ltd
UNI-EE Electric Appliance Co Ltd
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Coolux Electro-optics Co Ltd
Delta Light

Digital Light Lab
Dymax Corp
Epi-Light Ltd
Estar LED Light Co Ltd
Excelitas Technologies Corp
Fiberguide Industries Inc
FUTURELED GmbH
Hamamatsu Corp



Heatron Inc



INNOVATIONS IN OPTICS

Innovations in Optics Inc

LEDtronics Inc
LumiCe Co Ltd
LuxInTec SL
Optotek Ltd
OSA Opto Light GmbH
PerkinElmer Inc
ProPhotonix Ltd
Strataplex Inc

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DRIVERS FOR MOBILE APPLICATIONS

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ChromeLED Corp
Digi-Key Corp
Diodes Inc
Edge Electronics Inc
Exclara
GRE Alpha Electronics Ltd
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Macroblock Inc



Magtech Industries Corp

section 10 | OTHER APPLICATIONS



Microsemi Corp

National Semiconductor



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Nu Horizons Electronics
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On Semiconductor



Sharp Microelectronics Europe
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STMicroelectronics Inc



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LEDs FOR CAMERA FLASH

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EBV Elektronik
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Edison Opto Corp
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Heraeus Materials Technology GmbH & Co KG
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High Power Lighting Corp
LG Innotek
Lightspeed Technologies Inc
Nichia America Corp



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LEDs FOR KEYPAD/LCD BACKLIGHTING



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High Power Lighting Corp
Kingbright Corp
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OSRAM Opto Semiconductors GmbH
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ROHM Semiconductor USA LLC
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Seoul Semiconductor
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section 10 | OTHER APPLICATIONS

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Spark LED Lighting (HK) Co Ltd
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BEACONS, EMERGENCY DIRECTIONAL AIDS

Allied Electronics

AMERICAN BRIGHT OPTOELECTRONICS CORP.

American Bright Optoelectronics Corp
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ATG Electronics Corp
BE Lite Technologies
Carmanah Technologies Corp
Dialight Corp
DMX LED Lights
Eco Marketing
Excelitas Technologies Corp
Golden Sources (HK) Ltd



Heatron Inc

Illumination Optics Inc



INNOVATIONS IN OPTICS

Innovations in Optics Inc

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Spark LED Lighting (HK) Co Ltd

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Excelitas Technologies Corp
Fulsun Led Display
GlacialLight
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Heatron Inc

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LEDs N Solar
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SoundOff Signal
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■ See ad on page 4

section 10 | OTHER APPLICATIONS

ROADWAY MARKING & SAFETY LIGHTING

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Amphenol LTW

Amphenol LTW Technology Co Ltd

- Archipelago Lighting
- ATG Electronics Corp
- Beacon Concepts
- Carmanah Technologies Corp
- Excelitas Technologies Corp
- Fiberdyne Energy/Edison LED
- Golden Sources (HK) Ltd



Heatron Inc

Illumination Optics Inc



Konica Minolta Sensing Americas Inc

- LEDs N Solar
- LEDtronics Inc
- Leotek Electronics USA Corp
- Ligitek Electronics Co Ltd
- Liteon France
- LuxInTec SL
- Neo-Neon LED Lighting International Ltd
- PerkinElmer Inc
- Quasar Light Co Ltd
- Rayconn Electronics Co Ltd
- RenovaSolar Lda

Selectronic
Shenzhen Bang-Bell Electronics
■ See ad on page 111

- Shenzhen Lamp Technology Co Ltd
- Smitties Lights and Sirens
- Spark LED Lighting (HK) Co Ltd



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Boca Flasher
CooLED Ltd
Dialight Corp

EVERLIGHT

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Excelitas Technologies Corp
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GlacialLight
Golden Sources (HK) Ltd
Guang Li-Light Power Technology



Heatron Inc

Hokuriku Malaysia Sdn Bnd
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LEDs N Solar
LEDtronics Inc
LED Waves
Leotek Electronics USA Corp
Ligitek Electronics Co Ltd
Liteon France
LuxInTec SL
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Opto Tech Corp
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RenovaSolar Lda
Selectronic
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Shenzhen Lamp Technology Co Ltd
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VEHICLE LIGHTING

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Digi-Key Corp
Diodes Inc
Eco Marketing
Exclara
GRE Alpha Electronics Ltd
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Kolektor Magma doo
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Magtech Industries Corp



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Boca Flasher
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Digi-Key Corp
D-LED Illumination Technologies
Dominant Opto Technologies
Dominio LED
EBV Elektronik
■ See ad on page 101
Enertrail Technology Co Ltd
ETEC Lighting Co Ltd

section 10 | OTHER APPLICATIONS

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Fiberdyne Energy/Edison LED

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Lighting Solutions
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Konica Minolta Sensing Americas Inc

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LuxInTec SL
National LED Direct
Nav-comm
Neo-Neon LED Lighting International Ltd
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100 West Electronics

Winchester, CT, USA, www.100west.com

3DZ Ltd

Chippenham, Wiltshire, UK, www.nmsys.co.uk

3elamp

Central, Hong Kong, www.3elamp.com

3M

St Paul, MN, USA, www.3m.com/lighting

AAA OEM & ODM Ltd

Kowloon, Hong Kong, www.aaaoemodm.com

Abacus Lighting Ltd

Sutton-in-Ashfield, Nottinghamshire, UK,
www.abaculighting.com

Abrisa Industrial Glass

Santa Paula, CA, USA, www.abrisa.com

Abrisa Technologies

Santa Paula, CA, USA,
www.abrisatechnologies.com

ACC Silicones Europe

Bridgwater, Somerset, UK,
www.acc-silicones.com

Accuratus Corp

Phillipsburg, NJ, USA, www.accuratus.com

AC Electronics

Arlington, TX, USA, www.ace-ballast.com

AC Entertainment Technologies Ltd

High Wycombe, UK, www.ac-et.com

Acoya Illumination

Dongguan, China, www.acoya.com.tw

Adelto Ltd

Hong Kong, www.adelto.com

Adept Optical

New Territories, Hong Kong,
www.adept-optical.com

Advanced illumination

Rochester, VT, USA,
www.advancedillumination.com

Advanced Interconnections Corp

West Warwick, RI, USA, www.advanced.com

Advanced LEDs Ltd

Coventry, UK, www.advanced-led.com

Advanced LED Technology Ltd

Newcastle upon Tyne, Tyne and Wear, UK,
www.advanced-led-technology.com

Advanced Menu Systems

Santa Ana, CA, USA,
www.advancedmenusystems.com

Advanced Thermal Devices Inc

New Taipei City, Taiwan, www.atdi-web.com

Advanced Thermal Solutions Inc

Norwood, MA, USA, www.qats.com

AEG Power Solutions (France) SAS

Lannion, France, www.aegps.com/led



Aeon Lighting Technology Inc

16F-8 No 2 Jian Ba Rd, Chung Ho City, Taipei
County 235 Taiwan, TEL: 886 2 8226 1289,
info@aeonlighting.com,
www.aeonlighting.com

■ See ad on page 27

Manufactures innovative, eco-friendly, energy-saving, premium quality lamps using LED technology. With outstanding heat dissipation design, sells in more than 100 countries across the world. The company currently offers various LED lighting products, including indoor and outdoor products. All products have been verified by major international safety certification institutions, such as UL, CE, FCC, TUV, and ETL. Established in 2007.

AG Materials Inc

Taoyuan, Taiwan, www.agmaterials.com

Aimtec

Vaudreuil-Dorion, QC, Canada,
www.aimtec.com

AIXTRON SE

Herzogenrath, Germany, www.aixtron.com

Aladdin Lighting Technologies Inc

Clarksville, TN, USA, www.aladdinltg.com

ALANOD Aluminium

Ennepetal, Germany, www.alanod.com

Alder Optomechanical Corp

Taoyuan, Taiwan, www.alder.com.tw

Alhacen Light

Teaneck, NJ, USA, www.alhacenlight.com

Allaey's LED Instruments NV

Waregem, Belgium, www.allaey's.com

All Brite International Co Ltd

Tainan City, Taiwan, www.all-brite-intl.com

ALLEDS Lighting Corp

Wayland, MA, USA, www.alleds.com

Allegro MicroSystems Inc

115 Northeast Cutoff, Worcester, MA 01606
USA, TEL: 1 508 853 5000,
FAX: 1 508 853 7895,
sales@allegromicro.com,
www.allegromicro.com

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Offers an LED driver IC portfolio with a wide variety of topologies, channel counts, output currents and feature sets to help customers optimize their solutions. Drivers are targeted at either LED lighting applications or LED backlighting for LCD displays. Innovative, system-level solutions provide highly robust and fault-tolerant performance while balancing overall solution cost. Automotive voltage and temperature ratings are also available.

Alliance Optotek Corp

Chupey City, Hsinchu, Taiwan, www.aoptk.com

Allied Electronics

Ft Worth, TX, USA, www.alliedelec.com

Allied Industrial Marketing

Cedarburg, WI, USA,
www.alliedindustrialmarketing.com

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Alpha LED Technologies

109 Corporate Blvd, South Plainfield,
NJ 07080 USA, TEL: 1 908 791 3045,
pcote@cooksonelectronics.com,
www.alpha.cooksonelectronics.com

■ See ad on page 59

Provides high performance materials, chemistry and technology solutions to the electronics and surface finishing industries worldwide.



Alpha-One Electronics Ltd
2-8-41 Chuoh, Ebina-city, Kanagawa
243-0432 Japan, TEL: 81 46 292 7111,
FAX: 81 46 292 7113, info@alpha1-eg.com,
www.alpha1-eg.com

Supplies high-quality and high-power LEDs with wide range of spectral peaks from ultraviolet to infrared rays in various packages. Main application is a light source of optical sensors for individual identification systems, image detection, medical analysis, data transmission and especially for CCD cameras in surveillance system. Custom multi-chip packaged LED is also available.

Alpha View

Dublin, Ireland, www.alphaview.ie

ALSI - Advanced Laser Separation International NV

Beuningen, The Netherlands,
www.alsi-international.com

Aluwave AB

Möndal, Sweden, www.aluwave.com

America II Electronics Inc

St Petersburg, FL, USA, www.americaii.com



American Bright Optoelectronics Corp
13815-C Magnolia Ave, Chino, CA
91710 USA, TEL: 1 909 628 5050,
FAX: 1 909 628 5006,
aboc@americanbrightled.com,
www.americanbrightled.com

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With a constant focus on product quality and the continuing level of excellence in customer service, Offers reliable quality products at competitive market prices for the optoelectronic and solid state lighting markets.

AMERICAN  ILLUMINATION INC.

American Illumination Inc

3767 Overland Ave, Suite 109,
Los Angeles, CA 90034 USA,
TEL: 1 310 202 6500, FAX: 1 310 202 6555,
Info@american-illumination.com,
www.american-illumination.com

Creates energy efficient LED light engines and modules for modern fixtures, retrofits, indoor and outdoor lighting solutions. By sourcing the best components available, the company is dedicated to providing high-quality and unique LED solutions for OEM's and lighting designers with excellent service and sleek aesthetics.

American Opto Plus LED Corp

Pomona, CA, USA, www.aopled.com

Amerlux

Fairfield, NJ, USA, www.amerlux.com

Amphenol Industrial Operations

Sidney, NY, USA, www.amphenol-industrial.com

Amphenol LTW

Amphenol LTW Technology Co Ltd

9F No 657-12, Jungjeng Rd,
Shinjuang Dist, New Taipei City 242
Taiwan, TEL: 886 2 29085626,
FAX: 886 2 29029787, sales@ltw-tech.com,
www.amphenolltw.com

Manufactures waterproof connectors with innovative design and cutting-edge manufacturing technology. The connectors are designed for harsh environments and obtain the strictest requirements to meet with various international standards. The LED product series is easy mating, quick assembly and comes with impulse resistant cable protection. Has experienced engineers and innovative technology to provide customized design and value-added solutions for customers.

AMWEI Thermistor

Shenzhen, Guangdong, China, www.amwei.com



AnalogicTech

3230 Scott Blvd, Santa Clara, CA 95054 USA,
TEL: 1 408 737 4600, FAX: 1 408 737 4611,
info@analogictech.com,
www.analogictech.com

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Andy Optoelectronic Co Ltd

Ningbo, China, www.ledlighting.cc

Anything Display Promotional Displays

Amherst, NH, USA, www.anythingdisplay.com

APACK Inc

Daejeon, Korea, www.apack.net

AppLED BV

Oss, The Netherlands, www.appled.nl

Apple Lighting Corp

Tainan, Taiwan, www.ilight.com.tw

Apron Teknoloji

Kayseri, Melikgazi, Turkey, www.ledeca.com

APS Novastar

Huntingdon Valley, PA, USA, www.apsgold.com

APS Solutions GmbH

Puchheim-Munich, Germany,
www.aps-munich.com

AP Technologies Ltd

Bath, Somerset, UK,
www.aptechnologies.co.uk

Aquadelight

Rumst, Antwerpen, Belgium,
www.aquadelight.info

Arani

Montreal, QC, Canada, www.arani.ca

Archipelago Lighting

Montclair, CA, USA, archipelagolighting.com

Architectural FX Ltd

Bracknell, Berkshire, UK,
www.architecturalfx.co.uk

Arctik

Guanggzhou, China, www.arctik-lighting.com

Aries Electronics Inc

Bristol, PA, USA, www.arieselec.com



Arlon LLC

1100 Governor Lea Rd, Bear, DE 19701 USA,
TEL: 1 302 834 2100, FAX: 1 302 834 4021,
dtime@arlon-std.com,
www.arlon-thermal.com

Manufactures precision calendered and extruded silicone rubber materials and thermoset and thermoplastic laminates. Products include Secure, Protect, Bridge, and Mate thermal interface materials and StaCool thermally conductive metal core laminates and prepregs.

Armcast Lighting

Baltimore, MD, USA,
www.armcastlighting.com

Armadillo LED

Great Dunmow, Essex, UK,
www.armadilloled.com



ARROW ELECTRONICS

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7459 S Lima St, Englewood, CO
80112 USA, TEL: 1 888 954 4481,
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<http://lighting.arrow.com>

Dedicated to providing LED alternatives to incandescent, halogen and fluorescent lighting. Specializes in providing components to total solutions containing HB-LEDs. The extensive line card, unsurpassed design and supply chain management services, and experienced technical team can help with all solid-state requirements.

Arrow Electronics EMEA

Dreieich, Germany, www.arroweurope.com

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Arroyo Instruments

San Luis Obispo, CA, USA,
www.arroyoinstruments.com

A Square Technologies & Services

Hyderabad, Andhra Pradesh, India,
www.asquaretech.in

Astra Industries SAL

Beirut, Lebanon, www.astralux.com

Astrodyne

Mansfield, MA, USA, www.astrodyne.com

ATC Semitec Ltd

Northwich, Cheshire, UK,
www.atcsemitec.co.uk

ATG Electronics Corp

Shanghai, China, www.atgelectronics.com

Atlanta Light Bulbs

Tucker, GA, USA, www.atlantallightbulbs.com

Atmos Lighting Ltd

Dublin, Ireland, www.atmoslighting.ie

Atomeled Lighting

Bao'an, China, www.atomeled.com

Atropa Ltd

Zagreb, Croatia, www.atropa.hr

AT&S AG

Leoben, Austria, www.ats.net

Auctus Lights Pvt Ltd

Bangalore, India, www.auctuslights.com

Aurora Circuits

Aurora, IL, USA, www.auroracircuits.com

Avago Technologies

San Jose, CA, USA, www.avagotech.com

**Avantes BV**

Oude Apeldoornseweg 28, Apeldoorn NL-7333
NS The Netherlands, TEL: 31 313 670170,
FAX: 31 313 670179, info@avantes.com,
www.avantes.com

Produces, develops, and sells products in the field of fiber-optic spectroscopy, such as spectrometers, light sources, software, fiber optics, and accessories. With almost 20 years experience in the field of fiber-optic spectroscopy, new applications can be realized in industrial, chemical, biomedical, semiconductor, food processing, and other fields.

AVX Corp

Fountain Inn, SC, USA, www.avx.com

AWAB Co (EGYLED)

Cairo, Egypt, www.egyled.com

Axic Inc

Santa Clara, CA, USA, www.axic.com

Bachur & Associates

Santa Clara, CA, USA,
www.bachur-n-associates.com

BAG Electronics GmbH

Arnsberg, Germany, www.bagelectronics.com

Bare Development Inc

Countryside, IL, USA,
www.baredevelopment.com

Barthelme LED Solutions

Nürnberg, Bavaria, Germany,
www.barthelme.eu

Bayer MaterialScience LLC

100 Bayer Rd, Pittsburgh, PA 15205-9741
USA, TEL: 1 412 777 2000,
FAX: 1 412 777 3899, pcinfo@bayer.com,
www.bayermaterialscience.com

■ See ad on page 33

Produces polymers and high-performance plastics in North America and is part of the global Bayer MaterialScience business. Innovative developments in coatings, adhesive and sealant raw materials, polycarbonates, polyurethanes and thermoplastic urethane elastomers enhance the design and functionality of products in a wide variety of markets, including automotive, construction, electrical and electronics, household and medical industries, and sports and leisure fields.

Bayer MaterialScience LLC

Sheffield, MA, USA, www.sheffieldplastics.com

Bazi (Thailand) Co Ltd

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BC Renewable Energy

Chelsea, MI, USA, 1 734 707 3822

Beacon Concepts

Windham, NH, USA, www.beaconconcepts.net

Beacon Products

Bradenton, FL, USA, www.beaconproducts.com

Beadlight

Witney, Oxfordshire, UK, www.beadlight.com

**Beautiful Light Technology Corp**

16-2, Dingshanmen, Neighbor12, Jinlan
Village, Zhongpu Township, Chia-yi
60665 Taiwan, TEL: 886 5 239 2881,
FAX: 886 5 2392007, sales@bltc.com.tw,
www.bltc.com.tw

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Focuses on all-in-one lighting solutions of LED lamps. Manufactures high-power LED bulbs for strong capability and unique development in the fields of electronics, optics and thermal management. Provides the global market with a large portfolio of innovative products in power-design, optical, and heat-handling. Inventive designs and development keep the company at the forefront of LED lighting technology.

BE Lite Technologies

Gauteng, South Africa, www.belite.co.za

BelleFlex Technologies LLC

Freeport, PA, USA, www.belleflex.com

BellNett Technologies

Wuxi New District, Jiangsu, China,
www.bellnett.com

Bell-southcn Testing Laboratory

Shenzhen, Guangdong, China,
www.bell-southcn.com

Benled Lighting Group

Shenzhen, China, www.benled.com

Bentham Instruments Ltd

Reading, Berkshire, UK, www.bentham.co.uk

**The Bergquist Co**

18930 W 78th St, Chanhassen, MN
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Bestlightingbuy.com

Shenzhen, Guangdong, China,
www.bestlightingbuy.com

Beta Opto Technology Co Ltd

Hsinchu, Taiwan, www.betaoptotech.com

BFI OPTILAS France SAS

Evry, France, www.bfioptilas.fr

BG-LED.com

Haskovo, Bulgaria, www.bgled.com

BH Design Plus

Lake Forest, CA, USA, www.bhdesignplus.com

Binay Opto Electronics Pvt Ltd

Calcutta, West Bengal, India,
www.binayled.com

Bingk LED Technology India

Pune, Maharashtra, India, www.bingktech.com

Bingk Technology HK Co Ltd

Mumbai, Maharashtra, India,
www.bingktech.com

Bitro Group Inc

Teterboro, NJ, USA, www.bitrogroup.com

BizriOpticsDamascus, Syria, www.albizri.com/optics**BJB GmbH & Co KG**Arnsberg, Germany, www.bjb.com**BL2BL**Torrance, CA, USA, www.bl2bl.com**Black Dog LED**Boulder, CO, USA, www.blackdogled.com**Bluegrass LED Lighting LLC**Louisville, KY, USA,
www.bluegrassledlighting.com**Blue Ridge Numerics (CFdesign)**Charlottesville, VA, USA, www.cfdesign.com**BMD Lighting Co Ltd**Xiamen, Fujian, China, www.bmd-lighting.com**BMT Group**Riga, Latvia, www.bmt.lv**Boca Flasher**Boca Raton, FL, USA, www.bocaflasher.com**Brewer Science Inc**Rolla, MO, USA, www.brewerscience.com**Brightcast Co Ltd**Beijing, China, www.brightcast-led.com**Bright Green Technology**Richmond, Surrey, UK,
www.brightgreentechnology.com**Bright View Electronics Co Ltd**Taipei, Taiwan, www.bvled.com.tw**Bright View Technologies**Morrisville, NC, USA,
www.brightviewtechnologies.com**Brilliantz Electronic Systems Ltd**14 Tewin Ct, Welwyn Garden City AL7 1AU,
UK, sales@brilliantz.co.uk, www.brilliantz.co.uk

Develops and supplies novel light engines which exploit innovative AC LED technology, the latest developments in high power light emitting diodes and advanced control electronics to support bright, low cost, efficient and maintenance free display, signage and specialist lighting applications.

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www.brtechled.com**BWM Technology Co Ltd**

Shenzhen, Guangdong, China

B&W TEK IncNewark, DE, USA, www.bwtek.com**BYP Enterprise Ltd**Xiamen, Fujian, China,
www.byp-enterprise.com/led**Cambridge America LLC**Branford, CT, USA, www.cambridgepcb.com**Canada LEDs**Mississauga, ON, Canada,
www.canadaleds.com**CAO Group Inc**West Jordan, UT, USA, www.caogroup.com**Capovani Brothers Inc**Scotia, NY, USA, www.capovani.com**Carclo Technical Plastics Ltd**103 Buckingham Ave, Slough SL1 4PF UK,
TEL: 44 01753 575011,
FAX: 44 01753 811359,
sales@carclo-optics.com,
www.carclo-optics.com

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Designs, molds and markets optical and plastic components for a variety of industries encompassing LED optics, bespoke modular systems, automotive, medical, and telecommunications. Has been at the leading edge of optical technology since its foundation in 1936. Such development has placed the company at the forefront of its class. Today the company boasts unrivalled expertise in optical design and manufacture. It has its own optical design department with full CAD and test-lab facility.

Carley LampsTorrance, CA, USA, www.carleylamps.com**Carmanah Signs**Calgary, AB, Canada, www.carmanahsigns.com**Carmanah Technologies Corp**Victoria, BC, Canada, www.carmanah.com**Carson Technology Co Ltd**New Taipei City, Taiwan, www.carsonlite.com**CA Supply Co**Pacoima, CA, USA, www.ledbestdeal.com**Catalyst LED's**Coeur d Alene, ID, USA, www.catalystleds.com**C Crane Co Inc**Fortuna, CA, USA, www.geobulb.com**CCS International Circuits LLC**Dunedin, FL, USA, www.ccsintlcircuits.com**CD2 BV**Rotterdam, Zuid-holland, The Netherlands,
www.cd2bv.nl**Celsia Technologies**Miami, FL, USA, www.celsiatechnologies.com**Cepoint Networks LLC**Nashua, NH, USA, www.cepoint.com**Ceres Technology Advisors Inc**Needham, MA, USA, www.cerescom.net**CerFlex International**Helmond, The Netherlands, www.cerflex.com**Cerno**Laguna Beach, CA, USA, www.cernogroup.com**CEZOS**81-534 Gdynia, ul Olgierda 88 b Poland,
TEL: 48 58 664 88 61, www.cezos.com

Includes a highly qualified team of electronic engineers and designers and offers full scope designing for new LED technologies in different applications.

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www.challengeelectronics.co.uk**Chang Sha Yi Jia Electronics Co Ltd**Chang Sha, China, www.csyjdz.cn**Chen Ming Industrial Co Ltd**Linan, Zhejiang, China, www.cmlamp.com**ChiHua Lighting Technology Co Ltd**Dongguan, China, www.chihualight.com**ChinaSunshiny GreenPower Lighting Technology Co Ltd**Beijing, China, www.beamant.com**Chloride Systems**Burgaw, NC, USA, www.chloridesys.com**Chooyu Chemical Co Ltd**Shanghai, China,
www.chooyuchem.com/index_en.html**Chooyu USA**Boxborough, MA, USA,
www.chooyuchem.com/index_en.html**ChromLED Corp**City of Industry, CA, USA, www.chromeled.com**Cixi Sanhuan Magnetic Materials Factory**

Cixi, Zhejiang, China, 86 574 63743909

Clandell LtdBury St Edmunds, Suffolk, UK,
www.clandell.com**Clean Light Green Light**Mount Clemens, MI, USA,
www.cleanlightgreenlight.com**CODE Lighting SA**Vevey, Switzerland, www.code-lighting.ch**Coloronix**Los Angeles, CA, USA, www.coloronix.com

company directory | COLOR STARS INC

ColorStars

Color Stars Inc

10F, No 566 Jung Jeng Rd, Sindian District, New Taipei City, Taiwan 23148 Taiwan, TEL: 886 2 8667 6600, FAX: 886 2 8667 1400, sales@colorstars.com, www.colorstars.com

■ See ad on page 83

Founded in 2002, is a vertically integrated company that incorporates downstream applications with upstream LED packaging. Its LED lighting application development activity ranges from lighting fixture design to optical lens and heat management, from multiple-chip RGB packaging and white and warm-white LED packaging to special packaging methods designed for general lighting applications. The company, a part of ColorStars Group, headquartered in Irvine, CA, conducts R&D and manufacturing in Taipei and Kaohsiung, Taiwan.

Comdel Inc

Gloucester, MA, USA, www.comdel.com

www.CommercialEcoLights.com

San Diego, CA, USA, www.commercialecolights.com

Connexion

Buffalo Grove, IL, USA, www.connexiones.com

Continental Inc

Anderson, IN, USA, www.continentalinc.com

Control Development Inc

South Bend, IN, USA, www.controldevelopment.com

CooLED Ltd

Zhuhai, Guangdong, China, www.cooled-lighting.com

Cooliance Inc

Warwick, RI, USA, www.cooliance.com

Cool Polymers Inc

North Kingstown, RI, USA, www.coolpolymers.com

Coolux Electro-optics Co Ltd

Kowloon, Hong Kong, www.coolux.com.hk

Cool-View

Ft Myers, FL, USA, www.cool-view.com

Cooper Controls

Peachtree City, GA, USA, www.coopercontrol.com

Coyote Marketing LLC

Houston, TX, USA, 1 713 875 1438

CraLux Lighting

Salt Lake City, UT, USA, www.craluxlighting.com

Creative Technology HK Ltd

Kowloon, Hong Kong, www.mabushilighting.com

Creative Technology US

Panorama City, CA, USA, www.ctus.com

**Cree Inc**

4600 Silicon Dr, Durham, NC 27703 USA, TEL: 1 919 313 5300, FAX: 1 919 313 5558, xlampsales@cree.com, www.cree.com

■ See ad on back cover

Provides innovation, performance and application optimization, enabling simplified design and a low system cost. With a wide portfolio, Cree XLamp LEDs, high-brightness LEDs and LED modules provide the LED solution needed with the performance each application requires.

Crescent Plastics Inc

Evansville, IN, USA, www.crescentplastics.com

CRS Electronics Inc

Welland, ON, Canada, www.crselectronics.com

CSA International

Independence, OH, USA, www.csa-international.com

CS Bright Corp

New Taipei County, Taiwan, www.csbright.com

CT Creative Technology

Nürtingen, Germany, www.ctgermany.com

cTech Ltd

Cron dall, Hampshire, UK, www.ctech.co.uk

CUI Inc

Tualatin, OR, USA, www.cui.com

CyberBiota Inc

Raleigh, NC, USA, www.cyberbiota.com

CYRON Lighting

Chatsworth, CA, USA, www.cyron.com

Dai Shin Technologies Inc

Waukesha, WI, USA, www.daishintech.com

Dalian Luminglight Co Ltd

Dalian, Liao Ning, China, www.cnluming.com

Danson Electronics Ltd

Jiangmen City, Guangdong, China, www.dansonelectronics.com

DBM Reflex Lighting Solutions

Laval, QC, Canada, www.dbmlighting.com

Del International

Ankara, Turkey, www.del.com.tr

Dellux International Inc

Bois-des-Filion, QC, Canada, www.dellux.ca

Delneo sprl

Melen, Belgium, www.delneo.com

Delray Lighting Inc

Burbank, CA, USA, www.delraylighting.com

Delta Light

Minneapolis, MN, USA, 1 763 354 6581

Denggang Lighting Technology Co Ltd

Foshan, Guangdong, China, www.denggangled.com

Denka Chemicals GmbH

Düsseldorf, Germany, www.denka.co.jp

Design LED Products

Livingston, West Lothian, UK, www.designledproducts.com

DesignLED Technology Co Ltd

Shenzhen, Guangdong, China, www.designledpro.com

Designplan Lighting Inc

Frenchtown, NJ, USA, www.designplan.com

Dew & Ken Optoelectronics (Zhengzhou) Co Ltd

Zhengzhou, Henan, China, www.xinshiyeled.com

DG Lighting Technology Co Ltd

Foshan City, Guangdong, China, www.denggangled.com

Dialight Corp

Farmingdale, NJ, USA, www.dialight.com

Diamond LED Lighting

Sandbach, Cheshire, UK, www.diamondledlighting.co.uk

Diana Electronic-Systeme GmbH

Schwaikheim, Germany, www.ledscale.com

Dicrom Electronica SL

Barcelona, Spain, www.dicrom.com

Digi-Key Corp

Thief River Falls, MN, USA, www.digkey.com

DigiLighting Inc

Guangzhou, China, www.digi-lighting.com

Digitalicht AG

Freigericht, Hessen, Germany, www.digitalicht.de

Digital Light Lab

Knoxville, TN, USA, www.digitallightlab.com

Digital Lumens

Boston, MA, USA, www.digitallumens.com

Digital Projection Inc

Kennesaw, GA, USA, www.digitalprojection.com

DigitalSignageSupplies.com

Bristol, RI, USA, www.digitalsignagesupplies.com

Diodes Inc

Dallas, TX, USA, www.diodes.com

Diogen LightingCentennial, CO, USA, www.diogenlighting.com**Dipet-M Co Ltd**

Incheon-si, Korea, 82 70 4190 2157

Direct Trade SuppliesTorpoint, Cornwall, UK,
www.directtradesupplies.co.uk**Discovery Technology International**Sarasota, FL, USA, www.discovtech.com**D-LED Illumination Technologies**Hod Hasharon, Israel, www.d-led.net**DMK USA Inc**Stevens Point, WI, USA, www.dmkinc.com**DMS Lighting LLC**Laguna Niguel, CA, USA, www.dmslighting.com**DMX LED Lights**Las Vegas, NV, USA, www.dmxledlights.com**Docter Optics GmbH**Neustadt a d Orla, Germany,
www.docteroptics.com**Dolan-Jenner Industries**Boxborough, MA, USA, www.dolan-jenner.com**Dominant Opto Technologies**Melaka, Malaysia, www.dominant-semi.com**Domino LED**San Isidro, Provincia de Buenos Aires,
Argentina, www.dominioled.com**DongFang Bros Electronic Co Ltd**Shenzhen, China, www.dongfangled.com**Dongguan Jingliang Lighting Factory**Dongguan, Guangdong, China,
www.jinglianglight.com**Dora Texas Corp**Houston, TX, USA, www.dorataxas.com**Dow Corning Corp**Midland, MI, USA,
www.dowcorning.com/lighting**Downey+Rippe**Batesville, IN, USA, www.new-leds.com**DST**Holon, Israel, www.dst-cleantech.com**DuraComm Lighting**North Kansas City, MO, USA,
www.duracommlighting.com**Duromec Technologies Inc**Magog, QC, Canada, www.duroled.com**Dymax Corp**Torrington, CT, USA, www.dymax.com**Dynamic LED**Beijing, China, www.dynamic-led.com**Dynamic LED Ltd**Bridge of Allan, Stirling, UK,
www.dynamiclead.com**Dynamic Systems Inc**Redmond, WA, USA,
www.a-barcode.com/software**Earth Energy Solutions Group**Ponce Inlet, FL, USA, www.eesgroup.us**EarthlightLED.com**Rancho Santa Margarita, CA, USA,
www.earthlightled.com**Earthmate**Alsip, IL, USA, www.earthmatelighting.com**EBV Elektronik****Im Technologiepark 2-8, Poing 85586
Germany, TEL: 49 8121 774 0,
FAX: 49 8121 774 422,
generallighting@ebv.com, www.ebv.com****■ See ad on page 101**

Specializes in European semiconductor distribution. Specialists provide a strong focus on a selected group of long-term manufacturing partners. Over one hundred continuously-trained application specialists offer extensive application know-how and design expertise. Warehouse operations, complete logistics solutions and value-added services such as programming, taping and reeling and laser marking are fulfilled by Avnet Logistics, EBV's logistical backbone and Europe's largest service centre. An Avnet (NYSE:AVT) company, founded in 1969.

Eclipse Lighting IncSchiller Park, IL, USA,
www.eclipselightinginc.com**Ecomaa Lighting Inc****3F-1, No 31, Sintai Rd, Jhubei City, Hsinchu
302 Taiwan, TEL: 886 3 552 9383,
FAX: 886 3 552 7148, sales@ecomaa.com,
www.ecomaa.com**

The patented Cooling Fan is inserted in LED lightings lamps. Complies with product standards such as UL, TUV, FCC, RoHS, and CE. Product series include bulbs, PAR 20/30/38, MR16, AR111, T8 tube, ceiling lights, and stripe lights. The high-efficiency 80W LED bay light is the new product and is perfect for warehouse and high elevated space. Dimmable lightings are available. E40/E39 base/weight 1.14kg

Eco MarketingLarkollen, Norway, www.led-eu.com**e-conolight**Sturtevant, WI, USA, www.e-conolight.com**e-con Systems India Pvt Ltd**Chennai, Tamilnadu, India,
www.e-consystems.com**Ecopac Power**Long Crendon, Buckinghamshire, UK,
www.ecopacpower.com**Ecopower Inc**London, ON, Canada, www.ecopower.net**EcoTek Lighting**Lake Forest, CA, USA, www.ecoteklighting.com**Eden Park Illumination**Champaign, IL, USA, www.edenpark.com**Edge Electronics Inc**Bohemia, NY, USA, www.edgeelectronics.com**Edge Lighting**Chicago, IL, USA, www.edgelighting.com**Edgelit Acrylics LLC**Annapolis, MD, USA, www.edgelitacrylic.com**Edison Opto Corp****4F, No 800, Chung-Cheng Rd,
Chung-Ho, New Taipei City 23586
Taiwan, TEL: 886 2 82276996,
FAX: 886 2 82276993,
service@edison-opto.com.tw,
www.edison-opto.com****■ See ad on page 21**

Manufactures, designs and produces high-power LEDs, solid-state lighting application modules, and LED sensors and SPDIFs. The company has created a unique LDMS (lighting design manufacturing service) service plan to solve four the most important issues: thermal management, electrical driving conditions, mechanical refinement and optical optimization (TEMO) in LEDs lighting design. The company responds to customers' needs and is capable of providing tailored services to each lighting project.

Edlux LuminaireShanghai, China, www.edlux.cn**EE Green Lighting**Eau Claire, WI, USA, www.eegreenlighting.com**EfficientNow**San Mateo, CA, USA, www.efficientnow.com**EFFLED**Jiangmen, Guangdong, China, www.effled.com**Ekta**Kiev, Ukraine, www.ekta-led.com**Eldim SA**Herouville Saint-Clair, France, www.eldim.fr**eldoLED America Inc**San Jose, CA, USA, www.eldoled.com

company directory | ELDOLED BV

eldoLED

your product | our drive

eldoLED BV

Luchthavenweg 18a, Eindhoven 5657 EB
The Netherlands, TEL: 31 40 2054050,
FAX: 31 40 2054058, info@eldoled.com,
www.eldoled.com

Develops, produces and markets high-performance drive, networking and control solutions for general white lighting and full color RGB-W/A LED lighting applications. The product portfolio includes LedSync/DMX/DALI/0-10V compatible LED drivers, network bridges and DMX dimmers. Also supports its customers with customized solutions and design-in developments.

TheElectricWeb.com

Fresh Meadows, NY, USA,
www.theelectricweb.com

Electrobrain Enterprises

Manila, Philippines, www.ebrain.com.ph

Electro-Matic Visual Products

Farmington Hills, MI, USA,
www.empvisualsolutions.com

Electronic Careers.com

Malibu, CA, USA, www.electroniccareers.com

element 14

Singapore, http://sg.element14.com

E-Lite OptoTech Co Ltd

Shenzhen, China, www.elite-opto.com

Elkays Electronics

San Diego, CA, USA, www.elkays.com

Ellsworth Adhesives

Germantown, WI, USA, www.ellsworth.com

ELMA Electronic Inc

Fremont, CA, USA, www.elma.com

Elmet Technologies

Lewiston, ME, USA,
www.elmettechnologies.com

Elumina Technology Inc

Taipei, Taiwan, www.eluminatech.com

EMD Chemicals Inc

Gibbstown, NJ, USA, www.emdchemicals.com/
lcd-emerging-technologies

Emergence Technology Consultants LLC

Mount Airy, MD, USA,
www.emergencetechnologyconsultants.com

Endicott Research Group (ERG) Inc

Endicott, NY, USA, www.ergpower.com

Eneltec Group

Shanghai, China, www.eneltec-led.com

Energy Efficient Products Inc

Rome, NY, USA, www.eepsales.com

Energyled Corp

Sindian City, Taipei County, Taiwan,
www.energyled.com

EnergyMatrix

Santa Clara, CA, USA, www.energymatrix.biz

Energy Tech Solutions LLC

Madison, WI, USA,
www.ledenergysolutions.com

Enerlighting USA

Clovis, CA, USA, www.enerlightingusa.com

Enertrail Technology Co Ltd

Sijhieh City, Taipei County, Taiwan,
www.enertrail.com.tw

enLux Lighting

Tempe, AZ, USA, www.enluxled.com

Enn Cee Enterprises

Bangalore, Karnataka, India,
www.enncesolar.com

Environmental LED

Vicksburg, MI, USA, www.environmentalled.com

EnvironmentalLights.com

San Diego, CA, USA,
www.environmentallights.com

EO Lighting

Dural, NSW, Australia, www.eolighting.com.au

EPIGAP Optronic GmbH

Berlin, Germany, www.epigap-optronic.com

epiLED

Wroclaw, Poland, www.epiled.com

Epi-Light Ltd

Cork City, Ireland, www.epi-light.com

Epistar Corp

Hsinchu, Taiwan, www.epistar.com.tw

Epoxy Technology Inc

Billerica, MA, USA, www.epotek.com



EPtronics Inc

5230 Pacific Concourse Dr, Suite 370,
Los Angeles, CA 90045 USA,
TEL: 1 800 643 0688, info@eptronics.com,
www.eptronics.com

■ See ad on page 56

Offers constant current and constant voltage LED drivers in the most popular packages and wattages. Conforms to UL, cUL, FCC, CE and other regulatory agencies. High efficiency with PFC control. Input voltages from 90 to 305VAC.

ERG Lighting

Endicott, NY, USA, www.erglighting.com

ESPprosearch

Miami, FL, USA, www.espprosearch.com

Estar LED Light Co Ltd

Gardena, CA, USA,
www.wix.com/oemled/oemled

ETEC Lighting Co Ltd

Shenzhen, Guangdong, China,
www.ledlights-china.com

Eternaleds Inc

Alhambra, CA, USA, www.eternaleds.com

e3 (Ethos Ethical Energy)

London, UK, www.e3ethicalenergy.co.uk

Etrilum

Shanghai, China, www.etrilum.com

EuLED Ltd

Finmere, Buckinghamshire, UK, www.euled.org

Eulitha AG

Villigen PSI, Switzerland, eulitha.com

Evatec Ltd

Flums, Switzerland, www.evatecnet.com

Everbright Lights Inc

Richmond Hill, ON, Canada,
www.everbrightlights.com

Everbrite LLC

Greenfield, WI, USA, www.everbrite.com

EVERLIGHT

Everlight Electronics Co Ltd

No 6-8, Zhonghua Rd, Shulin Dist,
New Taipei City 23860 Taiwan,
TEL: 886 2 2685 6688,
FAX: 886 2 2685 6699,
marketing@everlight.com, www.everlight.com

■ See ad on page 11

Speed, flexibility and global reach are the key factors for success. The global network of research and development facilities, production sites and sales offices sets the pace in development, production and marketing of first-class lighting and advanced opto-electronic applications. As a reliable partner and certified supplier of some of the world's leading companies, the comprehensive LED product portfolio sets international standards.

Evluma

Seattle, WA, USA, www.evluma.com

E Wave Corp

London, UK, www.ewave-corp.com

EXALOS

Schlieren, Switzerland, www.exalos.com

Excelitas Technologies Corp

Wheeling, IL, USA, www.excelitas.com

Excellence Opto Inc

Pomona, CA, USA, www.eoius.com



Excelsys Technologies Ltd
27 Eastgate Business Park, Little Island,
Cork, Ireland, TEL: 353 2143 54716,
FAX: 353 21 4354864,
dermotflyn@excelsys.com,
www.excelsys.com

Designs and manufactures high-efficiency, high-reliability constant current, dimming and constant voltage LED drivers for outdoor and indoor applications including street lighting, signage, digital displays, high bay lighting, and refrigerator lighting. With efficiencies of over 90%, the extensive range of waterproof (IP67 rated) LED drivers provide 25 to 300W with input voltage ranges of 90–277VAC and 347/480VAC. All LED drivers are UL8750 approved and CE marked.

Exclara

Santa Clara, CA, USA, www.exclara.com

Eyeleds Canada

Calgary, AB, Canada, www.eyeleds.ca

Eyeleds International

Goes, The Netherlands, www.eyeleds.com

EYE Lighting International

Mentor, OH, USA, www.eyelighting.com

Fa GK Technik

Augsburg, Germany, www.greenledlight.de

Fairfield Crystal Technology

New Milford, CT, USA, www.fairfieldcrystal.com



Farnell

Canal Rd, Leeds LS12 2TU, UK,
TEL: 44 8447 11 11 11,
FAX: 44 8447 11 11 12, sales@farnell.com,
www.farnell.com/lighting

Distributes electronic and electrical components, and supports lighting designers across the world. Offers a broad range of LED lighting solutions including high-power LEDs, LED modules, LED power supplies and drivers as well as thermal management, optical and interconnect solutions.

Farralane Pro Lighting Audio & Video Systems

Farmingdale, NY, USA, www.farralane.com

Fawoo Technology Co Ltd

Bucheon, Gyeonggi-do, Korea, www.fawoo.com

Fernplas

Alton, UK, www.fernplas.com

Fiberdyne Energy/Edison LED

Frankfort, NY, USA, www.edisonled.com

Fiberguide Industries Inc

Stirling, NJ, USA, www.fiberguide.com

FiberSavvy.com

Wildomar, CA, USA, www.fibersavvy.com

Fine Technix Co Ltd

Anyang-si, Gyeonggi-do, Korea,
www.finetechnix.com

Firefly LED Lighting Inc

Austin, TX, USA, www.fireflyledlight.com

Firefly Technology Corp

Kennesaw, GA, USA,
www.fireflytechnology.com

First Level Inc

York, PA, USA, www.firstlevelinc.com

Flexfire LEDs

Mountain House, CA, USA,
www.flexfireleds.com

Fobsun Electronics Ltd

Shenzhen City, China, www.fobsun.com

Focus LLC

Fryazino, Moscow Region, Russian Federation,
www.ledsvet.ru

ForeverGreen Illumination (FGI)

Spokane, WA, USA, www.fgillumination.com

Fortis Technology Co Ltd

New Taipei City, Taiwan, www.fortistech.com.tw

The Fox Group Inc

Warrenton, VA, USA, www.thefoxgroupinc.com

Foxsemicon Integrated Technology Inc

Chu-Nan, Miaoli County, Taiwan,
www.foxsemicon.com



FrontAnD Technology

No 9, Neixi Rd, Luzhu Township,
Taoyuan, Taoyuan County 33852 Taiwan,
TEL: 886 3 3240501, FAX: 883 3 3249496,
info@frontand.com.tw, www.frontand.com.tw

■ See ad on page 91

Has engaged in LED and IC design for 12 years. Provides standard and niche products and every design incorporates patented LED, circuit, optical and thermal solutions. All products are manufactured in Taiwan and are CE, FCC certified and UL compliant. In 2012, the company developed more products, better performance, and better quality.

Frostdale Co Ltd

Seoul, Korea, www.frostdale.com

FSP Group USA

Chino Hills, CA, USA, www.fspgroupusa.com

Fulsun Led Display

Shenzhen, Guangdong, China, www.jxaled.com



Fusion Optix

19 Wheeling Ave, Woburn, MA 01801 USA,
TEL: 1 781 995 0805, FAX: 1 781 995 0803,
info@fusionoptix.com, www.fusionoptix.com

■ See ad on page 32

Enables the next generation of high performance display and lighting products.

Future Energy Solutions

Hollywood, FL, USA,
www.futureenergysolutions.us

FUTURELED GmbH

Berlin, Germany, www.futureled.de

Future Light

Thornton, South Africa, www.futurelight.co.za



Future Lighting Solutions

237 Hymus Blvd, Pointe-Claire, QC
H9R 5C7, Canada, TEL: 1 888 589 3662,
americas@futurelightingsolutions.com,
www.futurelightingsolutions.com

■ See ad on page 62

Provides LED lighting components and support services for solid-state lighting products and installations, including engineering expertise, concept development, full system solutions and online tools that accelerate quality application development. The company is a division of Future Electronics.

Fuzhou Morstar Electric Technology Co Ltd

Fuzhou, Fujian, China, www.morstar.com

FZtech

Taipei, Taiwan, www.fztech.com.tw

Gaggione SAS

Montréal la Cluse, France, www.gaggione.com



Gamma Scientific Inc

8581 Aero Dr, San Diego, CA 92123 USA,
TEL: 1 858 279 8034, FAX: 1 858 576 9286,
info@gamma-sci.com, www.gamma-sci.com

Helps leading manufacturers, universities and government institutions achieve precision light measurements. LED testing solutions include laboratory-grade, turnkey LED test systems, high-speed LED sorters, spectroradiometers, integrating spheres, photometers and colorimeters. Also operates a NVLAP accredited laboratory for LM-79 testing (NVLAP Lab Code 200823-0).

company directory | GAUTAM POLYMERS

Gautam PolymersNew Delhi, India, www.gautampolymers.com**Gemma Lighting Ltd**Portsmouth, Hampshire, UK,
www.gemmalighting.com**Genesis LED Solutions**Plano, TX, USA, www.genesisledsolutions.com**Geospec Enterprises**Gurgaon, Haryana, India, www.geospec.in**Gigahertz-Optik Inc**Newburyport, MA, USA,
www.gigahertz-optik.com**GlacialLight**Jung He City, Taipei County, Taiwan,
www.GlacialLight.com**Global Lighting Technologies**525 Andrews Cir, Brecksville, OH
44141 USA, TEL: 1 440 922 4584,
FAX: 1 440 922 4585, info@glthome.com,
www.glthome.com

■ See ad on page 71

Utilizes advanced light extraction with sophisticated optics and high-volume manufacturing for a range of applications for edge lighting technology including general illumination, LCD backlighting, dead front and touch-enabled graphic interface illumination, keyboard/keypad backlighting, and more. Edge lighting focuses the light of LEDs placed along one or more edges of an ultra-thin light guide to extract light precisely where needed, providing bright, uniform light in a thinner form factor without hot spots or dark areas.

Global Training Solutions IncMississauga, ON, Canada,
www.globaltrainingsolutions.ca**GloPlus**Milpitas, CA, USA, www.gloplus.com/index.html**Goldeneye Inc**Carlsbad, CA, USA, www.goldeneyeled.com**Golden Polymer Extrusion Technology Co Ltd**Panyu, Guangzhou, Guangdong, China,
www.goldenpoly.com/en/index/index.jsp**Golden Sources (HK) Ltd**Hangzhou City, China,
www.golden-sources.com**GooSum Greenergy Tech Co Ltd**Taipei, Taiwan, www.gosum.com**GP Lighting Technology**HuiZhou, China, www.gplighting.com.cn**GrafTech International Ltd**Parma, OH, USA, www.egraf.com**Graham Associates Inc**Rockledge, FL, USA, www.grahamrep.com**Grand LED**Shenzhen, Guangdong, China,
www.grand-led.com**GRE Alpha Electronics Ltd**Unit 218, 2/F, No 1 Science Pk W Ave,
Hong Kong Science Park, Shatin, Hong Kong,
TEL: 852 2423 3332, FAX: 852 2423 3626,
sales@grealpha.com, www.grealpha.com

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Provides advanced LED power supplies that drive solid-state lighting systems for indoor and outdoor applications. With over two decades of power conversion expertise and a commitment towards innovation, the company translates knowledge into customer-value through delivering cutting-edge technology, superior quality and significant cost-savings. The power solutions are used across the globe and target a wide range of markets, from commercial use for architectural and signage, to household use.

Green Concepts LED LLCMarion, MA, USA,
www.cleantlightgreenlight.com**Green Creative LLC**San Francisco, CA, USA, www.gc-lighting.com**Green 4 All Energy Solutions**Genoa City, WI, USA, www.g4all.net**The Green Light Co UK**Forest Row, East Sussex, UK,
www.thegreenlightcompany.nl**Green Lighting LED**Erie, PA, USA, www.greenlightingled.com**Greenlight Optics LLC**Cincinnati, OH, USA, www.greenlightoptics.com**Green Machine Light Engine**Santa Clara, CA, USA,
www.greenmachinelightengine.com**Green Mark Inc**Taipei County, Taiwan, www.green-mark.com**Green Performance Lighting**North Haven, CT, USA,
www.greenperformancelighting.com**Green Supply**Fremont, CA, USA, www.agreensupply.com**GridPlex Networks**Upper Darby, PA, USA,
www.gridplexnetworks.com**GSSI Group Inc**Cumming, GA, USA, www.led-greenlighting.com**Gstar Technology Co Ltd**Shenzhen, China, www.gstar-tech.net**GT Advanced Technologies**Merrimack, NH, USA, www.gtat.com**Guang Li-Light Power Technology**Hualien, Taiwan, www.guangli-lightpower.com**Gulf Coast LED Inc**Lutz, FL, USA, www.gulfcoastled.com**Haeusermann GmbH**Gars am Kamp, Austria, www.haeusermann.at**Hai Chang Industrial Co Ltd**Shenzhen, Guangdong, China,
www.haichanglight.com**Haiku Tech Inc**Miami, FL, USA, www.haikutech.com**Halco Lighting Technologies**2940 Pacific Dr, Norcross, GA 30071 USA,
TEL: 1 770 242 3609, FAX: 1 770 242 3615,
information@halcolighting.com,
www.halcolighting.com

Manufactures lamps and ballasts designed for industrial/commercial, residential and specialty lighting applications. The award-winning ProLED product line, including PARs, MRs, JCs and A-lines, meets strict quality standards with performance verified in the NVLAP accredited energy efficient lighting testing division—Halco Lighting Laboratories. Established in 1974, the company has US distribution centers in Atlanta, Cleveland, Houston and Phoenix.

Hamamatsu CorpBridgewater, NJ, USA,
<http://sales.hamamatsu.com>**Hana Vision**Gyeonggi-dong, Korea, www.iloveled.co.kr**Hangzhou Titus Digital Technology Co Ltd**

Hangzhou, China, 86 571 85027039

Hans von Mangoldt ReactorsCedarburg, WI, USA, www.mangoldt.com**HaoLED Technology**Guangzhou, Guangdong, China,
www.haoled.com**Hapusn**Shenzhen, China, www.jm-top.com**HBA Tech Ltd**Richmond Hill, ON, Canada, www.hba-tech.com**Heatron Inc**3000 Wilson Ave, Leavenworth, KS
66048 USA, TEL: 1 913 946 1377,
FAX: 1 913 651 5352, sales1@heatron.com,
www.heatron.com

Partners with OEM customers to provide LED solutions that achieve the optimum balance of performance and cost.

HEICO lighting

St-Eustache, QC, Canada,
www.heicolighting.com

**HELIO Optoelectronics Corp**

No 483, Sec 1, Beixing Rd, Zhudong Township, Hsinchu County 310 Taiwan, TEL: 886 3 596 7028, FAX: 886 3 596 9067, sales@heliopt.com, www.heliopt.com

A leading brand in high power LEDs since 2006 located in Hsinchu, Taiwan. Originated from the renowned Taiwan Industrial Technology Research Institute (ITRI), the company focuses on LED packaging technologies including silicone injection molding. Has produced billions of high performance LEDs in RGB, amber, white, and warm white for years. The products have been used in general, outdoor, show, decorative and automobile lighting, and health care and plant growth lamps.

Helios LED Lightronics Pvt Ltd

Chennai, Tamilnadu, India,
www.heliosledlightronics.com

Helvar Oy Ab

Karkkila, Finland, www.helvar.com

HEP GmbH

Schalksmuehle, Germany, www.hepgmbh.de

HEP Group USA Inc

Rancho Palos Verdes, CA, USA,
www.hepgroup.net

Hephas Co Ltd

Seongnam-si, Korea, www.lcas.co.kr

HEP Tech Co Ltd

Taichung, Taiwan, www.hepgroup.net

**Heraeus Inc**

24 Union Hill Rd, West Conshohocken, PA 19428-2736 USA, TEL: 1 610 825 6050, FAX: 1 610 825 7061, yin.yin@heraeus.com, www.thickfilm.net

The Thick Film Division, a global player in the microelectronics industry, introduces a line of thermal management materials for the LED and power electronic packaging applications. The Thick Film Division is a worldwide supplier of thick film pastes, LTCC materials and precious metal powders to the hybrid microelectronics industry. The RoHS compliant thick film pastes are designed for meeting the expected high performance standards of thick film technology.

**Heraeus Materials Technology Gmbh & Co KG**

Heraeusstraße 12-14, Hanau 63450 Germany, TEL: 49 61 81 353400, FAX: 49 61 81 35163400, michael.benedikt@heraeus.com, www.flexible-substrates.com

■ See ad on page 41

Provides flexible substrates or stamped circuit boards (SCBs) and more to the microelectronics market. Supplies national ID cards, RFID transponders, sensors and LEDs-use substrates as chip carriers. SCBs can be found in high-power LED modules such as flashlights in mobile phones. Its great thermal conductivity (<380W/mK), combined with mass production and plenty of varieties in product design, makes it a smart solution for customers.

HET LED HUIS

Enschede, The Netherlands, www.hetledhuis.nl

High Power Lighting Corp

Tu Cheng City, Taipei Hsien, Taiwan,
www.hplighting.com.tw

Hi-Rel Products

Ft Lauderdale, FL, USA, www.hi-relsales.com

Hirose Electric Co Ltd

Tokyo, Japan, www.hirose.com

Hisco

Houston, TX, USA, www.hiscoinc.com

Hokuriku Malaysia Sdn Bnd

Shah Alam, Selangor, Malaysia,
www.hdkhms.com.my

Holders Components

Burgess Hill, West Sussex, England,
www.holderscomponents.com

Holland Solutions Ltd

Wellington, New Zealand,
www.hollandsolutions.co.nz

Home Energy Solutions of the Triad

Greensboro, NC, USA,
www.commercialenergync.com

Hongkong Forous Group Co Ltd

Zhuhai, Xiangzhou, China, www.frpower.com

Hotbeam

Balwyn North, Vic, Australia,
www.hotbeam.com

House Lighting Co Ltd

Shenzhen, Guangdong, China,
www.led-house-lighting.com

Hybrid Integrated Circuits Ltd (HIC)

Sofia, Bulgaria, www.hic.bg

IEC & Associates

Cary, NC, USA, www.ieca-inc.com

Illinois LED Products Inc

Highland Park, IL, USA,
www.illinoisledproducts.com

Illumination Optics Inc

Wauwatosa, WI, USA,
www.illuminationoptics.com

Illumination Physics

Macleod, Victoria, Australia,
www.illuminationphysics.com

Illumination Unlimited USA Inc

New York, NY, USA,
www.illuminationunlimited.com

Illuminex LLC

Highlands Ranch, CO, USA, <http://illuminex.co>

Impact Lighting Inc

Orlando, FL, USA, www.impactlightinginc.com

Indal WRTL

Tipton, West Midlands, UK, www.wrtl.co.uk

Indium Corp

Clinton, NY, USA, 1 315 381 7554

Industrial Computing

Waltham, MA, USA, www.industcomputing.com

Industrial Training Consultants Inc

Pelham, AL, USA, www.itctrng.com

INFICON

East Syracuse, NY, USA, www.inficon.com

Infineon Technologies AG

Neubiberg, Germany,
www.infineon.com/lighting

Ing Elmar Schrutek

Wien, Austria, www.schrutek.com

Innox Pte Ltd

Singapore, 65 96188108

Inno Optoelectronics Ltd

Hong Kong, www.inno-opto.com

Innotec

Zeeland, MI, USA, www.innotecgroup.com

INNOTRONIKS

Santa Clara, CA, USA, www.innotroniks.com



INNOVATIONS IN OPTICS

Innovations in Optics Inc

82 Cummings Park, Woburn, MA 01801-2120 USA, TEL: 1 781 933 4477, FAX: 1 781 933 0007, sarahb@innovationsinoptics.com, www.innovationsinoptics.com

LumiBright light engines provide bright and most uniform LED light sources with competitive pricing. Constantly improving and developing standard and custom LED products for a wide range of applications including projection, display, machine vision, fiber coupling, medical lighting and life sciences. Experts at customizing LED systems to meet requirements, and uses a cutting edge optical modeling software for proof of concept prior to prototyping.

company directory | INNOVATIVE CUSTOM LIGHTING INC

Innovative Custom Lighting IncSurrey, BC, Canada, www.innovativecl.com**Innovative LED Lighting Inc**St James, NY, USA, www.whitelightusa.com**INOV Optical Development**Tucson, AZ, USA, www.inov.com**Insight Electronic Group**Lujhu Township, Taoyuan, Taiwan,
www.insight.com.tw**Insight Products USA**Lawrenceville, GA, USA,
www.insightproductsusa.com**Instrument Systems GmbH**Neumarkter Str 83, Munich 81673
Germany, TEL: 49 89 454943 0,
FAX: 49 89 454943 11,
info@instrumentsystems.com,
www.instrumentsystems.com

■ See ad on page 42

Develops, manufactures and markets turnkey solutions for light measurement. These include high-performance array and scanning spectrometers as well as imaging photometers and colorimeters. Key applications are LED and display measurement, spectroradiometry and photometry. The company is one of the leading manufacturers for spectral light measurement systems. The innovative measuring systems deliver accurate and reliable results for all optical parameters of light sources in conformity with CIE recommendations.

InteLED CorpHuntington Beach, CA, USA, www.inteled.com**INTEMATIX****Intematix Corp**46430 Fremont Blvd, Fremont, CA
94538 USA, TEL: 1 510 933 3300,
FAX: 1 510 668 0793,
mikeko@intematix.com, www.intematix.com

Develops and manufactures phosphor products that define the quality and reliability of LED solid-state lighting technologies. Offers a broad range of phosphors, facilitating full spectrum LED solutions that radiate vivid, stable and attractive light. Draws on expertise in phosphor materials to supply the ChromaLitTM remote phosphor light source collection. This breakthrough technology enables light fixture and light bulb manufacturers to exceed their goals for light quality, reliability and power efficiency.

International LightPeabody, MA, USA, www.intl-lighttech.com**Interplex Engineered Products**East Providence, RI, USA,
www.interplex.com/IEP**Intertek****Intertek**3933 US Rt 11, Cortland, NY 13045 USA,
TEL: 1 800 967 5352, icenter@intertek.com,
www.intertek.com

■ See ad on page 45

Is a global third-party, independent testing and certification organization for lighting products including LED/solid state lighting for many applications such as residential, commercial, automotive, traffic signal, marine, and airport lighting. Capabilities include photometry, color, environmental and mechanical testing, Energy Star testing and certification, product safety certifications, and more.

IntertronicsKidlington, Oxon, UK, www.intertronics.co.uk**Inventronics**Bldg B, Eastcom City, 66 Dongxin Rd,
Binjiang District, Hangzhou, Zhejiang
310053 China, TEL: 86 571 86632260,
FAX: 86 571 86601139
sales@inventronics-co.com,
www.inventronics-co.com

■ See ad on page 53

A Sino-US world-class enterprise specializing in the design, manufacture, marketing and sales of high-power LED drivers. Employing proprietary cutting-edge circuit design and packaging technologies, the high-power LED drivers feature ultra high efficiency (up to 94%), high power factor (0.99), high reliability, and long life. Ideal for outdoor and industrial lighting applications including LED streetlights and tunnel lights. Products are designed to power the world with optimized performance.

ION Light EnginesSanta Ana, CA, USA, www.ionlightengines.com**IRC**Corpus Christi, TX, USA, www.irctt.com**IR-TEC International Ltd**Taoyuan, Taiwan, www.irtec.com**iSine Inc**Ronkonkoma, NY, USA, www.isine.com**IST Ltd**Birmingham, West Midlands, UK, www.istl.com**ITACOIL Switching and Resonant pcb Transformers**Caponago, Monza Brianza, Italy,
www.itacoilweb.com**ITC Inc**Holland, MI, USA, www.elio-itc.com**i-Tunnel (Indal Group)**St Asaph, UK, www.i-tunnel.co.uk**i-vision Lighting Solutions Ltd**Newport, UK, www.ivisionuk.com**IVUS Energy Innovations**Moscow, ID, USA, www.ivusenergy.com**JAP Optoelectronic Ltd**Manchester, UK, www.japopto.com**Jason Fidelity Consulting Ltd**Vancouver, BC, Canada, www.cjmachining.com**JD Greentech-Global Inc**Plano, TX, USA, www.greentech-global.com**JENOPTIK Polymer Systems GmbH**Triptis, Germany,
www.jenoptik.com/oes_lighting**JGA Associates/Bulbwizards**Grant-Valkaria, FL, USA, www.bulbwizards.com**Jiangsu Tetrachem Co Ltd**Taixing, Jiangsu, China, www.tetrachem.com.cn**Jiaozuo City Crystal Photoelectric Material**Jiaozuo, Henan, China, www.hncrystal.com**Jiashan Sunovo Lighting Technology Co Ltd**Zhejiang, China, www.sunovolight.com**JiaYao Industries Co Ltd**Chengdu, Sichuan, China, www.jydisplay.com**Jin Tay Industries**Taipei Hsien, Taiwan, www.jintay.com.tw**Jireh Optoelectronics**Reading, PA, USA, www.jirehled.com**Joe Simiriglio JR t/a Frontier LED Products**

Deptford, NJ, USA, 1 856 848 7300

JP Sercel Associates Inc (JPSA)Manchester, NH, USA, www.jpсалaser.com**Juice Technology Ltd**Hoddesdon, Herts, UK,
www.juicetechnology.co.uk**JW Speaker Corp**Germantown, WI, USA, www.jwspeaker.com**Kaour LED Co Ltd**Guangzhou, China, www.casor.com.cn**Kara Jalmarit International Ltd**Lancaster, UK, www.karajalmarit.com**Kaspers Lighting International BV**Oosterhout, NB, The Netherlands,
www.kasperslighting.com**Keithley Instruments Inc**Cleveland, OH, USA, www.keithley.com**KEMA**Arnhem, The Netherlands, www.kema.com



Keystone Certifications Inc
564 Old York Rd, Suite 5, Etters, PA
17319 USA, TEL: 1 717 932 8500,
FAX: 1 717 932 8501,
jhill@keystonecerts.com,
www.keystonecerts.com

■ See ad on page 63

EPA recognized certification body (CB) for Energy Star qualification of all categories of lighting products and components.

KHATOD®

LENSES FOR POWER LED

Khatod Optoelectronic

Via Monfalcone 41, Cinisello Balsamo
20092 Italy, TEL: 39 02 66013 695,
FAX: 39 02 66013 500, khatod@khatod.com,
www.khatod.com

Offers full optical service encompassing optical and mechanical designs, mold fabrication, injection molding, test and inspection, LED optics and optical modular systems as well as a long experienced capability to develop custom optical solutions for a huge variety of industries. From project to object, all in house, makes the company one of the most reliable solution-makers in lensing for high-power LEDs.

Kingbright Corp

City of Industry, CA, USA,
www.kingbrightusa.com

Kingbright Electronic Europe GmbH

Issum, Germany, www.kingbright-europe.de

Kingstates LED Light

Shenzhen, Guangdong, China,
www.kingstates.com

KLAT-Tencor Corp

Milpitas, CA, USA, www.kla-tencor.com



KLUS

2501 27th Ave, Suite F-4, Vero Beach,
FL 32960 USA, TEL: 1 772 321 2260,
sophia@klusdesign.com, www.klusdesign.com

Designs and manufactures products for the LED technology. The company introduced to the market LED aluminum extrusions. Innovative extrusions facilitate and popularize the use of LED strip light and make design, applications and mounting of the LED ribbon light easy. Holds patents from the United States patent and trademark office and the OHIM, Trademarks and Designs Registration Office of the European Union for LED extrusions. Founded in 1977.

KME

Rochester, Kent, UK, www.kme.co.uk

Kolektor Magma doo

Ljubljana, Slovenia, www.kolektor.com



Konica Minolta Sensing Americas Inc
101 Williams Dr, Ramsey, NJ
07446 USA, TEL: 1 201 236 4300,
http://sensing.konicaminolta.us

Provides instruments such as portable colorimeters as well as portable and bench top spectrophotometers for color measurement, spectroradiometers and lux meters for light/display measurement. A wholly owned subsidiary of Konica Minolta Holdings USA Inc, is recognized as the international leader of industrial color, light and shape measurement. The company is responsible for product lines that continuously revolutionize how visual perception is measured by the world.

Konica Minolta Sensing Singapore Pte Ltd

Singapore,
www.konicaminolta.com/instruments

Konka LED

Mississauga, ON, Canada,
www.konkaamerica.com

K-Sun Corp

Somerset, WI, USA, www.ksun.com

Kum-Ho Electric Co Ltd

Hwaseong, Gyeong-gi, Korea, www.khe.co.kr

KustomXpress.com

Grand Junction, CO, USA, USA,
www.kustomxpress.com

Labsphere Inc

231 Shaker St, PO Box 70, North Sutton,
NH 03260 USA, TEL: 1 603 927 4266,
FAX: 1 603 927 4694
labsphere@labsphere.com,
www.labsphere.com

■ See ad on page 44

Offers a wide range of LED and SSL testing packages with the flexibility to tailor a system for prototype to production testing. Solution-based software enables users to save multiple testing profiles for individual testing parameters and data manipulation. In seconds you can have research-grade thermal, optical and electrical characterization—whatever design stage or user level.

Laird Technologies

Cleveland, OH, USA, 1 888 246 9050

Lambda Research Corp

25 Porter Rd, 2nd Fl, Littleton, MA
01460-1434 USA, TEL: 1 978 486 0766,
FAX: 1 978 486 0755, sales@lambdares.com,
www.lambdares.com

■ See ad on page 39

Provides optical design solutions by offering software products and consulting. Software includes TracePro, 3D optomechanical solid modeling software for virtual prototyping for design and analysis of almost any optical or illumination system in various markets, such as illumination, optics, aerospace, biomedical and OSLO for optical design and analysis of image-forming lens systems. TracePro and OSLO are marketed to optical, mechanical lighting engineers and designers, researchers and scientists as a complete solution for design and analysis.

Lambert Lighting Technology Co Ltd

Shenzhen, China, www.lambert-led.com

Lanzarote LED

Arrecife, Las Palmas, Spain,
www.lanzarote-led.com

LayTec AG

Berlin, Germany, www.laytec.de

LCDTVStands2Go.com

Bristol, RI, USA, www.lcdtvstands2go.com

LLDLIGHT.com - LDD Trading Associates LLC

New Boston, NH, USA, www.lddligh.com

Leadray Energy Co Ltd

Jhubei City, Hsinchu, Taiwan, www.leadray.com

The LED Advocacy Group

Baltimore, MD, USA, www.ledconsultants.com

LEDAquariums

Phoenix, AZ, USA, www.ledaquariums.com

LED Argentina SA

CABA, Buenos Aires, Argentina,
www.led-argentina.com

The LED Bulb Co

Ft Myers, FL, USA,
www.theledbulbcompany.com

LEDCanada.com

Vancouver, BC, Canada, www.ledcanada.com

LEDcentre.uk.com

London, UK, www.ledcentre.uk.com

LED Concepts

Santa Ana, CA, USA, www.ledconcepts.com

LeddarTech

Quebec City, QC, Canada, www.leddartech.com

LED-Depot

Middlesbrough, UK, www.led-depot.co.uk

company directory | LEDDYNAMICS INC

**LEDdynamics Inc**

44 Hull St, Randolph, VT 05060 USA,
TEL: 1 802 728 4533, FAX: 1 802 728 3800,
info@leddynamics.com, www.luxdrive.com

Provides cutting-edge technology, services and education that enables and accelerates the adoption of LEDs as a medium of illumination. Comprising three divisions: the LUXdrive range of drivers, modules and engines, the EverLED range of bulbs and fixtures and the LEDthinktank innovative engineering group. Offers creative solutions to virtually any LED lighting challenge.

LED Eco Lights

Camberley, Surrey, UK, www.ledecolights.com

LED Emerald

Los Angeles, CA, USA, www.ledemerald.com

LED Engin Inc

San Jose, CA, USA, www.ledengin.com

ledgrowlight-hydro.com

Los Angeles, CA, USA,
www.ledgrowlight-hydro.com

LED Grow Master Global LLC

Bend, OR, USA, www.led-grow-master.com

LEDIKO

Wroclaw, Poland, www.lediko.com

LED International Lighting Inc

Lenexa, KS, USA, www.Ledili.com

Ledionopto Lighting Inc

Taipei, Taiwan, www.ledionopto-lighting.com

LEDKE Technology Co Ltd

Shenzhen, Guangdong, China, www.ledke.com

The LED Lamp Co

Ft Myers, FL, USA,
www.theledlampcompany.com

LED-LES

Englewood, CO, USA, www.ledles.com

LED Lighting Inc

Northbrook, IL, USA, www.ledlightinginc.com

LED Lighting Power Supplies

Aldermaston, Berkshire, UK,
www.led-lighting-power-supplies.com

LED Lights Canada

Edmonton, AB, Canada,
www.ledlightscanada.com

LED Light Works

Yaroomba, Queensland, Australia,
www.ledlightworks.com.au

**LED Linear GmbH**

Pascalstr 9, Neukirchen-Vluyn 47506
Germany, TEL: 49 2845 98462 112,
FAX: 49 2845 98462 120,
info@led-linear.com, www.led-linear.com

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Provides linear LED based lighting solutions with a superior cost/benefit ratio. The company's products contain the best worldwide available LED and components. The signature product lines are VarioLED Flex and XooLux. With true lighting class LED products, the company helps customers to shape a better world through energy efficient lighting solutions. Delivers LED lighting solutions based on flexible printed circuit boards with an input voltage of 12 or 24V DC. Products are available in up to 10 m in length with a self adhesive backside. They are designed for plug-and-play operations and can be equipped with self adhesive secondary lenses. The product scope includes interior and exterior LED lamps (IP67) and plug-and-play luminaries (IP54). The lighting class product line provides 6 different color temperatures from 2700 to 6500K, up to 500 lumens per foot (6500K) and 92 CRI (3500K). The maximum available efficacy is 75 lm/W. A full range of accessories to install and control the LED solutions (remote, 1-10V, DMX) guarantees the suitability for a wide range of applications. With extensive expertise and proprietary technology, the company designs, develops and manufactures a broad range of custom lighting systems. Products are lead-free and RoHS conform.

**Ledlink Optics Inc**

15F, No 655, Bannan Rd, Chung-Ho Dist,
New Taipei City 235 Taiwan,
TEL: 886 2 8227 6126,
FAX: 886 2 8227 6127,
service@ledlink-optics.com,
www.ledlink-optics.com

■ See ad on page 5

Established in April 2008, the company designs and manufactures optics for the emerging solid-state lighting companies such as Cree, Citizen, Edison, Lumileds, Nichia, Osram, Samsung, Seoul and other LED manufacturers. The mission is to help customers optimize optics performance in creating solid-state lighting products. Lenses are available in a wide variety of packages with numerous beam pattern options and sizes, such as residential, commercial, street or architectural lighting.

LEDLITE007 OPT-ELE Co Ltd

Shenzhen, China, www.ledlite007.com

Ledlume products

Johannesburg, South Africa,
www.ledlume.co.za

Led Mode Ltd

Shenzhen, Guangdong, China,
www.led-mode.com

LEDnovation Inc

Tampa, FL, USA, www.lednovation.com

LED One (Hangzhou) Co Ltd

Hangzhou, China, www.ledone-co.com

LED Optical Solutions

Washington, MI, USA, www.ledoscorp.com

LED Power Inc

Irvine, CA, USA, www.ledpower.com

LED Retro8

Parsippany, NJ, USA, www.ledretro8.com

LED Roadway Lighting Ltd

Halifax, NS, Canada,
www.ledroadwaylighting.com

LEDS America Inc

Jupiter, FL, USA, www.ledsamerica.com

LedScene sa

Capital Federal, Buenos Aires, Argentina,
www.ledscene.com.ar

LED Screens Pty Ltd

North Ryde, NSW, Australia,
www.led-screens.com.au

The LED Shop

Herberton, Queensland, Australia,
www.ledshoponline.com

LED Signs Pty Ltd

North Ryde, NSW, Australia,
www.led-signs.com.au

LEDs N Solar

Ahmedabad, India, www.ledsnsolar.com

LED Source

Wellington, FL, USA, www.ledsource.com

LED Specialists Inc

Holbrook, NY, USA, www.ledspecialists.com

The LED Studio

Petersfield, Hampshire, UK,
www.theledstudio.co.uk

LEDSupply

Randolph, VT, USA,
www.ledsupply.com/index.php

LED To Lite

Nokomis, FL, USA, www.ledtolite.com

LED Transformations LLC

Stanton, NJ, USA, www.ledtransformations.com

LEDtronics Inc

Torrance, CA, USA, www.ledtronics.com

LEDvista Ltd

Enniscorthy, County Wexford, Ireland,
www.ledvista.ie

LED Waves

Brooklyn, NY, USA, www.ledwaves.com

Ledway

Ballivor, Meath, Ireland, www.ledway.ie

LEDworx GmbH

Vienna, Austria, www.ledworx.com

Lektron Inc

Tulsa, OK, USA, www.lektroninc.com

Lenoo Electronics Co Ltd

Tu-Cheng City, Taipei, Taiwan, www.lenoo.com

Leotek Electronics USA Corp

Milpitas, CA, USA, www.leotek.com

Lextar Electronics Corp

Hsinchu, Taiwan, www.lextar.com

LG Innotek

Seoul, Korea, www.lginnotek.com/main.jsp

Light-Based Technologies

Vancouver, BC, Canada, www.lightbased.com



LIGHTTECH™

Lighttech Electronics

1511 N Westshore Blvd, Tampa, FL
33607 USA, TEL: 1 888 544 4832,
info@lighttechinc.com, www.lighttechinc.com

Offers LED drivers with the fullest range of LED power supplies anywhere. Offers LED drivers in constant current and constant voltage, non-dimming and dimming drivers, phase-control, trailing edge or 1-10V dimming, and various applications specific products, including the signage market.

Light Emission Technology Ltd

New York, NY, USA,
www.lightemissiontech.com

Light Emitting Designs LLC

North Barrington, IL, USA, www.led-llc.com

Light Engines LLC

Sturbridge, MA, USA, www.lightengines.com

Light Foot LED

Hove, UK, www.lightfootled.com

LightGuard

Burgaw, NC, USA, www.lightguard.com

Lighthouse WorldWide LLC

Milford, CT, USA, www.lighthouseww.com

Lighting and Production Resources

Winter Park, FL, USA, www.mylpr.com

Lighting Orient Co Ltd

Shenzhen, China, www.ledlightsorient.com

Lighting Science Group Corp

Satellite Beach, FL, USA, www.lsgc.com

Lighting Sciences Inc

Scottsdale, AZ, USA,
www.lightingsciences.com

Light Ocean Technology Corp

Hsinchu City, Taiwan, www.lightocean.com.tw

Light Prescriptions Innovators LLC

Altadena, CA, USA, www.lpi-llc.com

Lightscape Materials Inc

Princeton, NJ, USA,
www.lightscapematerials.com

Light Solution

Kharkov, Ukraine, www.lightsolution.com.ua

Lightspeed Technologies Inc

Campbell, CA, USA, www.light-speed-tech.com

LightWild

Overland Park, KS, USA, www.lightwild.com

Litek Electronics Co Ltd

Shulin City, Taipei County, Taiwan,
www.litek.com

Lily Lighting Ltd

Toronto, ON, Canada, www.lilyleds.com

Linde Electronics & Specialty Gases

Stewartsville, NJ, USA,
www.linde-gas.com/electronics

Linear Technology

Milpitas, CA, USA, www.linear.com

Lingshan Trading Co Ltd

Shenzhen, Guangdong, China, www.lstcl.com

Lingshan Trading Co Ltd

Higher Denham, Middlesex, UK, www.lstcl.com

Liteon France

Poissy, France, www.liteon.com/opto

Litetronics International Inc

Alsip, IL, USA, www.litetronics.com

LiteTronix Optotek Inc

Palo Alto, CA, USA, www.litetrnix.com.tw

LittleFootprint Lighting Inc

Santa Cruz, CA, USA, www.lfplighting.com

Logitech Ltd

Glasgow, Strathclyde, UK, www.logitech.uk.com

Logolight

Quint-Fonsegrives, France, www.logolight.fr

LonTin Industry Co Ltd

Shanghai, China, www.lontinled.com

LORD Corp

Cary, NC, USA, www.lord.com

Lotus LED Lights

Surrey, BC, Canada, www.lotusledlights.com

Lucite International Inc

Cordova, TN, USA, www.lucitelux.com

Lumastrobe Warning Lights

Midland Park, NJ, USA, www.lumastrobe.com

Lumenarex Inc

Lafayette, CO, USA, www.lumenarex.com

Lumenpulse

Montreal, QC, Canada, www.lumenpulse.com

Lumentra Inc

Toronto, ON, Canada, www.lumentra.com

Lumex

Palatine, IL, USA, www.lumex.com

LumiCe Co Ltd

Seoul, Korea, www.lumice.com

LUMICHIP
CREATING LIGHT

Lumichip Ltd

1701 Tai Yau Bldg, 181 Johnston Rd,
Wanchai, Hong Kong, TEL: 852 23 438 438,
FAX: 852 23 438 448, sales@lumichip.com,
www.lumichip.com

Provides customized LED lighting components. The product lines consist of specialized LED and COB devices tailor made to meet demanding requirements of general and specialized lighting industries. Lumichip designs, manufactures and markets proprietary LED components and also offers custom designs and manufacturing services for LED light engines and luminaries in various lighting industry applications. Design and manufacturing operations in Asia and Europe guarantee product and design support globally.

Lumicrest Lighting Solutions Inc

Toronto, ON, Canada, www.lumicrest.com

Lumi Lime Ltd

Kowloon, Hong Kong, www.lumilime.com

Lumimax Optoelectronic Technology

Fremont, CA, USA, www.lumimaxusa.com

Luminarch

Lincolnwood, IL, USA, www.luminarch.com

Luminit

Torrance, CA, USA, www.luminitco.com

Luminlite

Jhubei City, Hsinchu, Taiwan,
www.luminlite.com.tw

Luminus Devices

Billerica, MA, USA, www.luminus.com

Lumisave Industrial LED Technologies Ltd

Pr George, BC, Canada, 1 250 563 7283

Lumoluce

Heerhugowaard, The Netherlands,
www.lumoluce.com

company directory | LUMOTECH

Lumotech®

Lumotech

Nijverheidsplein 16, Heerhugowaard 1704RB
The Netherlands, TEL: 31 72 5723000,
FAX: 31 72 5723030, sales@lumotech.com,
www.lumotech.com

■ See ad on page 48

Manufactures high-quality LED drivers, boards, strips and other electrical semifinished products. Is a well known company for its solid engineering and durable products. All engineering and manufacturing takes place in-house in branches throughout Europe.

Lutron Electronics

Coopersburg, PA, USA, www.lutron.com

Luums International BV

Culemborg, The Netherlands, www.luums.com

LuxInTec SL

Aldeamayor de San Martin - Valladolid, Spain,
www.luxintec.com

Luxon Sp zoo

Wroclaw, Dolny Slask, Poland, www.luxon.pl

LUX-TSI Ltd

Pencoed, Bridgend, UK, www.lux-tsi.com

LVC Connectors Inc

Montreal, QC, Canada, www.snapkonek.com



Lynk Labs Inc

2511 Tehnology Dr, Suite 108, Elgin,
IL 60124 USA, TEL: 1 847 783 0123,
FAX: 1 847 783 0130, lynk@lynklabs.com,
www.lynklabs.com

■ See ad on page 6

Manufactures AC LED packages, light engines, and drive and system technology. The company's patented AC LED light engine technology delivers product that simplifies the design challenges and reduces the cost of integrating LEDs into AC power sources.

Macroblock Inc

Hsinchu, Taiwan, www.mblock.com.tw

Madrix

Dresden, Germany, www.madrix.com



Magtech Industries Corp

5625-A S Arville St, Las Vegas, NV
89118 USA, TEL: 1 702 364 9998,
FAX: 1 702 364 1562,
csupport@magtechind.com,
www.magtechind.com

Designs, manufactures, and distributes high-quality, switch-mode power supplies. Provides solutions including wall-mount, desktop adaptors, LED power supply/drivers, industry standard open frame and close frame power supplies and DIN rail mount industrial switchers.

Majantys

Le Bourget du Lac, France, www.majantys.com

Mango Electronics

Bexhill on Sea, East Sussex, UK,
www.sauna-steam.co.uk

MANOR doo

Cakovec, Croatia, www.manor.hr

Marc LED Ltd

Epsom, Surrey, UK, www.marclcd.com

Marian Inc

Indianapolis, IN, USA, www.marianinc.com

Marktech Optoelectronics

Latham, NY, USA, www.marktechopto.com

Materion Corp

Mayfield Heights, OH, USA, www.materion.com

Matrix LED

Cromer, NSW, Australia, www.matrixled.com.au



Matrix Lighting Ltd

Rm 223-231, 2/F, E Wing, TST Centre,
66 Mody Rd, TST E, Kowloon 852 Hong
Kong, TEL: 2723 2302, FAX: 2722 1040,
lighting@matrix.hk.com, www.viribright.com

■ See ad on inside front cover

Manufactures Viribright brand of LED lighting products and focuses on the development and manufacturing of commercial and residential LED lighting solutions. The development team focuses on innovation in the research and development of LED driver, mechanical, thermal management, optics, and product design for mass production. The innovations and "patent pending" technologies enable the delivery of the highest quality products at incredible value with manufacturing in both Vietnam and mainland China.

Maxim Integrated Products

Sunnyvale, CA, USA, www.maxim-ic.com

Maxx LED Inc

Buford, GA, USA, www.maxxled.com

MAZeT GmbH

Jena, Germany, www.mazet.de

McWong International Inc

Sacramento, CA, USA, www.mcwonginc.com



Mean Well USA Inc

44030 Fremont Blvd, Fremont, CA
94538 USA, TEL: 1 510 683 8886,
FAX: 1 510 683 8899,
michael@meanwellusa.com,
www.meanwellusa.com

■ See ad on page 55

Manufactures standard power supplies since 1982. Is a global power supply company, with more than 2500 models for commercial and industrial applications. Provides great quality, competitive pricing, on-time delivery and long term power partner for business.

Medical Lighting Systems

Santa Ana, CA, USA,
www.medicallightingsystems.com

Megasil Chemical Co Ltd

Taipei, Taiwan, www.megasil.com.tw

Meiji Techno America

Santa Clara, CA, USA, www.meijitechno.com

Melux Control Gears Pvt Ltd

Pune, Maharashtra, India,
www.melconindia.com



Mentor Graphics Corp

300 Nickerson Rd, Marlborough, MA
01752 USA, TEL: 1 800 547 3000,
FAX: 1 508 480 0882,
mad_info@mentor.com,
www.mentor.com/mechanical

Provides test equipment (chip, package and power LED characterization) and virtual prototyping for electronics. Using the product and consultancy services, customers accelerate and optimize their design processes by predicting the behavior of proposed designs before building physical prototypes.

Messagemaker Displays Ltd

Surrey, UK, www.messagemaker.co.uk

Metropolitan Energy Service-Gulf Coast LEDs

Gulf Breeze, FL, USA,
www.mesgulfcoastleds.com

Mica Lighting Co Inc

Fullerton, CA, USA, www.micalighting.com

Microlynx Systems Ltd

Calgary, AB, Canada,
www.microlynxsystems.com

Micro Modular System

Bayan Lepas, Penang, Malaysia,
www.mmsis.com

**Microsemi Corp**

**One Enterprise, Aliso Viejo, CA 92679 USA,
TEL: 1 949 380 6100, FAX: 1 949 215 4996,
sales.gg@microsemi.com, www.microsemi.com**

Provides semiconductor solutions differentiated by power, security, reliability, and performance. The company's light management product portfolio includes CCFL and LED drivers IC and modules, light sensors, integrated LED drivers, and power supply modules optimized for general lighting applications. Additional products include high-performance, high-reliability analog and RF devices, mixed-signal and RF integrated circuits, customizable system-on-chip (cSoC) solutions, field programmable gate arrays (FPGAs), and complete subsystems.

Millennium Visual Systems

Chestnut Ridge, NY, USA,
www.millenniumvisuals.com

Milliken Distribution

Englewood, FL, USA,
www.millikendistribution.com

Mimaki ECO Lighting Solutions

San Marcos, CA, USA, www.mimaki-ls.com

MIROR Lighting Inc

Lenexa, KS, USA, www.mirrorlighting.com

MKS Instruments Inc

Andover, MA, USA, www.mksinst.com

Molex

Lisle, IL, USA, www.molex.com

Moons Industries (Europe) srl

Gross-Zimmern, Germany,
www.moonsindustries.eu

MOSO USA Inc

Cerritos, CA, USA, www.mosousa.com

Motif Architectural Lighting

Santa Ana, CA, USA, www.motiflighting.com

Moltun International

Cheyenne, WY, USA, www.moltun.com

MP Producciones SA de CV

Mexico City, Distrito Federal, Mexico,
www.mpproducciones.com.mx

MSC Vertriebs GmbH

Stutensee, Germany, www.msc-ge.com

MSP Corp

Shoreview, MN, USA, www.msppcorp.com

MTEC GmbH

Wels, Austria, www.mtec.at

MultiMedia Farms

Canfield, OH, USA, www.multimediafarms.com

Multiwave Corp

Bedminster, NJ, USA, www.multiwavecorp.com

Nanker LED Lighting Ltd

Guangzhou, China, www.nanker.com

National LED Direct

Markham, ON, Canada,
www.nationalledirect.com

National Semiconductor

Santa Clara, CA, USA, www.national.com

Nav-comm

Utley, Yorkshire, UK, www.nav-comm.net

NEON-EC Ltd

St. Petersburg, Russian Federation,
www.e-neon.ru

NEON-EK Ltd

Varna, Bulgaria, www.e-neon.ru

Neo-Neon LED Lighting International Ltd

He Shan City, Quandong, China,
www.neo-neon.com

Neon-LED International (HK) Ltd

Guandong, China, www.neon-led.com

Neoti

Bluffton, IN, USA, www.neoti.com

NES Light

Manassas, VA, USA, www.neslight.com

NET LED Lighting

Cambridge, Cambridgeshire, UK,
www.netledlighting.co.uk

Newark

Chicago, IL, USA, www.newark.com

Next Generation Lights Inc

Flushing, NY, USA, www.nextgenlights.com

**Nexus Lighting Inc**

**124 Floyd Smith Dr, Suite 300,
Charlotte, NC 28262 USA,
TEL: 1 704 405 0416, FAX: 1 704 405 0422,
sales@nexuslighting.com,
www.nexuslighting.com**

Provides high-performance LED replacement light bulbs under the Array Lighting line of products. Committed to leading edge design and introducing LED products that set the standard in the industry in terms of performance and reliability.

Nichia America Corp

Wixom, MI, USA, www.nichia.com

NIOptech

Corona, CA, USA, www.nioptech.com

Nitride Crystals Inc

Deer Park, NY, USA, www.nitride-crystals.com

**NMB Technologies Corp**

**9730 Independence Ave, Chatsworth,
CA 91311 USA, TEL: 1 818 341 3355,
FAX: 1 818 341 8207, lighting@nmbtc.com,
www.nmbtc.com**

Manufactures electro-mechanical components, including LED dimmable programmable drivers, as well as miniature ball bearings, cooling fans, precision small motors, as well as other electronic components.

Nooteboom Elektronica

Helmond, Noord Brabant, The Netherlands,
www.nooteboom.biz

**Nordson ASYMTEK**

**2747 Loker Ave W, Carlsbad, CA
92010 USA, TEL: 1 760 930 3345,
info@nordsonasymtek.com,
www.nordsonasymtek.com**

Designs and manufactures a full line of automated precision fluid dispensing, jetting, and conformal coating systems, supported by a global applications and service network. The award-winning non-contact dispensing system jets fluid through windows as small as 0.4 mm into hard-to-reach cavities for side-view LEDs and for LED encapsulation.

company directory | NORLUX

NorluxCarol Stream, IL, USA, www.norluxcorp.com**Northeast Green Energy Group Inc**Merrimac, MA, USA, www.negeg.com**Notis Design**Novocherkassk, Rostov-on-don, Russian Federation, www.notis-group.ru**NU HORIZONS
ELECTRONICS**

An Arrow Company

Nu Horizons Electronics70 Maxess Rd, Melville, NY 11747 USA,
TEL: 1 631 396 5000, FAX: 1 631 396 5050,
onlinesales@nuhorizons.com,
www.nuhorizons.com/ledlighting

■ See ad on page 15

Understands the complexity of designing with today's leading edge LED technology. Specialists can help from concept to design to production, reduce development cycles and enable customers to quickly and efficiently adopt LED lighting technology. Services include component selection, engineering and design services, prototyping, sampling, retrofitting, testing and supply chain services. Suppliers offer leading-edge products and services with outstanding customer support, cross-discipline design tools and educational opportunities. An Arrow Electronics company.

NuSil TechnologyCarpinteria, CA, USA, www.nusil.com**Nuventix Inc**Austin, TX, USA, www.nuventix.com**NXP Semiconductors**Eindhoven, France, www.nxp.com**Obducat Technologies AB**Malmo, Sweden, www.obducat.com**OCG Lighting**Chessington, Surrey, UK, www.ocglighting.com**OEC AG**Munich, Germany, www.oec.net**Ohmax Lighting Co Ltd**Shenzhen, China, www.led-ohmax.com**OMS**Dojc, Slovak Republic, www.oms.sk**ONLY Technology LTD**Shenzhen, China, www.h-only.com**On Semiconductor**

Phoenix, AZ, USA, 1 602 244 3182

Onstate Technologies LED LightingNew Westminster, BC, Canada,
www.onstatetech.com**Operations Technology Inc**Blairstown, NJ, USA, www.optek.net**opsira GmbH**Weingarten, Germany, www.opsira.de**Optical Illumination Corp**Craig, CO, USA, www.oic-us.com**Optical Semiconductors Inc**Peekskill, NY, USA,
www.opticalsemiconductors.com**Optics Balzers AG**Balzers, Liechtenstein, www.opticsbalzers.com**OPTILED Lighting**Kowloon, Hong Kong, www.optiled.com**OPTIS SAS**Toulon Cedex 9, France, www.optis-world.com**Optocap Ltd**Livingston, Scotland, UK, www.optocap.com**optocore****Optocore Ltd**27 Messogion Ave, Athens 11526 Greece,
TEL: 302 107759433, FAX: 302 107781118,
info@optocore.gr, www.optocore.gr

Offers SMD LED implementation. As partner and exclusive distributor of Taiwan producer Alder, offers solutions from LED chip to complete lighting fixtures. The philosophy is to implement the latest technologies in LEDs in order to provide solutions tailor made to suit the requirements of each and every customer but also to secure the sustainability, efficiency and the energy payback for every project carried forward. The company has gained important know-how on the implementation of LEDs in the areas of industrial, architectural, street and urban lighting retail cooling and many other applications promoting the LED technologies as sustainable and energy efficient solutions.

**OPTO DIODE CORP.****Opto Diode Corp**750 Mitchell Rd, Newbury Park, CA
91320 USA, TEL: 1 805 499 0335,
FAX: 1 805 499 8108, sales@optodiode.com,
www.optodiode.com

Supplies the global market with reliable, high-quality IR LEDs and custom LEDs in the visible range since 1981. Latest products include high-performance photodetectors, both standard and custom devices, manufactured in the domestic, US facility. Signature high standards and uncompromising attention to quality and detail inherent in the LEDs, are now incorporated in the new photodetectors product line.

Optogan GmbHLandshut, Germany, www.optogan.com**Optoma Technology Inc**Fremont, CA, USA, www.optomaled.com**Optomistic Products Inc**South Freeport, ME, USA,
www.optomisticproducts.com**Optogan Group**Landshut, Germany, www.optogan.com**Opto System Co Ltd**Kyotanabe City, Kyoto, Japan,
www.opto-system.co.jp/en**Opto Tech Corp**Hsinchu, Taiwan, www.opto.com.tw**Optotek Ltd**Ottawa, ON, Canada, www.optotek.com**Opulent Technologies Inc**San Jose, CA, USA, www.opulentech.com**Orb Optronix Inc**1003 7th Ave, Kirkland, WA 98003 USA,
TEL: 1 425 605 8500, FAX: 1 801 912 2645,
sales@orboptronix.com,
www.orboptronix.com

■ See ad on page 35

Dedicated to leading LED technology adoption by providing test and measurement products and engineering services for illumination, optical and opto-electronic industries. LED measurement lab provides electrical-optical-thermal characterization of LEDs as well as LED lifetime studies, Energy Star/LM-79 SSL luminaire testing, LED binning and sorting, and LED eye safety measurements. LED Technology Center provides services by experienced high-power LED engineering staff that includes optical, thermal, mechanical, electrical, software, and industrial design engineering experts.

Oree Advanced Illumination LtdRamat Gan, IL, Israel, www.oree-inc.com**Orient Lighting Co Ltd**Sydney, NSW, Australia, www.orientlighting.com**OSA Opto Light GmbH**Berlin, Germany, www.osa-opto.com

OSRAM

Opto Semiconductors

OSRAM Opto Semiconductors GmbH

Leibnizstr 4, Regensburg 93055
Germany, TEL: 49 941 850 1700,
FAX: 49 941 850 3302,
support@osram-os.com, www.osram-os.com
■ See ad on page 67

Manufactures optoelectronic semiconductors for the lighting, sensor and visualization sectors, and regularly launches new technologies and products that make a lasting difference to these sectors. More than three decades of experience in the development and manufacture of optoelectronic semiconductor components have made the company one of the most significant innovation and technology drivers in Germany.

**OSRAM SYLVANIA**

100 Endicott St, Danvers, MA
01923-3623 USA, TEL: 1 978 777 1900,
FAX: 1 978 750 2152,
ledlighting@sylvania.com, www.sylvania.com
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Offers innovative, integrated SSL system solutions for automotive and general lighting applications that leverage more than a century of experience in serving the lighting industry. Products and services offered include the design, development and manufacturing of SSL modules, power supplies and control systems with industry-leading quality and a strong product warranty. Direct access to OSRAM Opto Semiconductor, the second largest supplier of LEDs, enables the rapid introduction of innovative, high-performance SSL products that reflect the state-of-the-art in LED technology.

Ost-West Media GmbH

Frankfurt am Main, Hessen, Germany,
49 69 724 0266

Outwater Plastics Industries Inc

Bogota, NJ, USA, www.outwater.com

Ovation Polymers

Medina, OH, USA, www.opteminc.com

Pacer International

Reading, Berks, UK, www.pacer.co.uk

Palomar Technologies Inc

Carlsbad, CA, USA,
www.palomartechnologies.com

Para-Coat Technologies Inc

Johnstown, PA, USA,
www.pctconformalcoating.com

Parker Chomerics

Woburn, MA, USA, www.chomerics.com

PEER Group

Kitchener, ON, Canada, www.peergroup.com

Penchem Technologies Sdn Bhd

Perai, Penang, Malaysia, www.penchem.com

PerkinElmer Inc

Wheeling, IL, USA,
www.perkinelmer.com/lighting

Permlight Products Inc

Tustin, CA, USA, www.permlight.com

Permlight for Signs

Tustin, CA, USA, www.permlightforsigns.com

Phenoptix Ltd

Nottingham, Nottinghamshire, UK,
www.phenoptix.com

**PHILIPS
bodine****Philips Emergency Lighting**

236 Mt Pleasant Rd, Collierville, TN
38017 USA, TEL: 1 800 223 5728,
FAX: 1 901 853 8694,
bodineinfo@philips.com,
www.philips.com/bodine

Provides solutions for emergency lighting in LED applications. The company's Philips Bodine brand emergency LED drivers allow LED fixtures to serve as code-compliant emergency lighting. The emergency drivers are available for a variety of fixture types, including the Fortimo DLM and SLM. The Philips Bodine ELI-S-20 micro inverter is a great emergency lighting solution for screw-in LED lamps. Philips Emergency Lighting is a division of Philips Electronics North America Corp.

Philips Hadco

Littlestown, PA, USA, www.hadco.com

Philips Hanover Lantern

Littlestown, PA, USA, www.hanoverlantern.com

Philips Lighting Co

Somerset, NJ, USA, www.philips.com/lighting

Philips Lighting UK

Guildford, Surrey, UK,
www.lighting.philips.co.uk

Philips Lumec

Boisbriand, QC, Canada, www.lumec.com

LUXEON

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370 W Trimble Rd, San Jose, CA 95131 USA,
TEL: 1 408 435 6111, FAX: 1 408 435 6855,
info@lumileds.com, www.philipslumileds.com

■ See ad on page 2

Delivers illumination-grade power LEDs and outstanding world-wide service and design support that customers need to rapidly develop solid-state lighting solutions. LUXEON LEDs are used widely in retail, entertainment, outdoor, automotive, portable, digital imaging, signal, and many other applications. The company is a pioneer in epitaxial, packaging, and phosphor technologies specifically designed to deliver the most lumens per watt, per package and per dollar with the widest operating range, reliability and lumen maintenance in the industry.

Philips Roadway Lighting

Rosemont, IL, USA,
www.philips.com/roadwaylighting

Phillips Engineering LLC

Portland, CT, USA, www.phillipsengineering.net

Phoseon Technology Inc

Hillsboro, OR, USA, www.phoseon.com

Phostech Optical Consulting & Patent Services

Elmhurst, IL, USA, www.phostech.com

Phoster Industries

Montreal, QC, Canada,
www.phosterindustries.com

PicusLED

Son, Philippines, www.picusled.com

PLANETech International

Irvine, CA, USA, www.planetechleds.com

PLANSEE SE

Reutte, Austria, www.plansee.com

**Plasma-Therm**

10050 16th St N, St Petersburg, FL
33716 USA, TEL: 1 727 577 4999,
FAX: 1 727 577 7035,
info@plasmatherm.com,
www.plasmatherm.com

■ See ad on page 60

Designs, manufactures and supports plasma etch and plasma enhanced chemical vapor deposition (PECVD) equipment to various high technology market segments and industries. Systems are used in specialty market applications ranging from leading edge university R&D to high volume production.

company directory | THE POMPEO GROUP

The Pompeo GroupAlbuquerque, NM, USA, www.pompeo.com**Positronic Industries**Springfield, MO, USA,
www.connectpositronic.com**Power Audiovisual Rental Co**Madrid, Spain, www.powerav.es**Powerbox**Westminster, CO, USA,
www.powerboxusa.com/ssl**PowerLED**Aldermaston, Berkshire, UK,
www.powerled.uk.com**PowerLED Lighting Corp**Wugu District, New Taipei City, Taiwan,
www.powerledopto.com**Power Partners Inc**Hudson, MA, USA, www.powerpartners-inc.com**Power Research Electronics**Oosterhout, The Netherlands,
www.pr-electronics.nl**Power Sources Unlimited**Wrentham, MA, USA, www.psui.com**Power Vector**Waterloo, ON, Canada, www.powervector.com**Precision Photometrics Ltd**Edinburgh, UK,
www.precisionphotometrics.com**Prema Semiconductor GmbH**Mainz, Germany, www.prema.com**Prime Light Pte Ltd**Singapore, www.prime-light.com**Producciones Marambio & Jorquera SA de CV**Mexico City, Distrito Federal, Mexico,
www.mpproducciones.com.mx**Products with Passion**Brooklyn, NY, USA,
www.productswithpassion.net**PROLED®****PROLED - MBN GmbH**Balthasar-Schaller-Str 3, Friedberg, Bavaria
86316 Germany, TEL: 49 821 60099 0,
FAX: 49 821 60099 99, info@proled.com,
www.proled.com

■ See ad on page 72

LED as the light of the future is trend-setting for the company, which was founded in 1988. Manufactures quality LED products and offers a wide variety of LED products among the internationally registered brands PROLED and MBNLED. PROLED products are developed and designed in Germany and manufactured in Asia. MBNLED products are entirely manufactured in Germany and Europe.

**ProLight Opto**
www.prolightopto.com**ProLight Opto Technology Corp**No 89, Xiyuan Rd, Zhongli City, Taoyuan
320 Taiwan, TEL: 886 3 419 2099,
FAX: 886 3 419 2377,
patrick.wang@prolightopto.com,
www.prolightopto.com

Manufactures high-power LEDs with invention package patents granted mainly from the US, Taiwan and China. Dedicated to the research, development, and manufacturing of mid- and high-power with high reliability LEDs. Has a series of products including 0.3, 0.5, 1, 3, 4, 5, 10, 15W and more. All of its LEDs meet JEDEC MSL 2a criteria and are suitable for lead-free IR re-flow process.

Promus Co LtdShanghai, China, www.promuscorp.com**ProPhotonix Ltd**Salem, NH, USA, www.prophotonix.com**Protect-R-Shield**Salisbury, NC, USA, www.protectrshield.com**ProTerra LED Inc**Brantford, ON, Canada, www.proterraled.com**proto labs®**
Real Parts. Really Fast.™**Proto Labs Inc**5540 Pioneer Creek Dr, Maple Plain,
MN 55359 USA, TEL: 1 877 479 3680,
FAX: 1 763 479 2679,
customerservice@protolabs.com,
www.protolabs.com

■ See ad on page 37

Utilizes proprietary computing technologies and automated manufacturing systems to provide prototype parts and shortrun production services. Through its Firstcut CNC machining and Protomold injection molding services, all parts are made by standard production methods, delivered at affordable prices, and can be delivered in as fast as one day.

**PTH Group**Via Ticino 15, Castiglione Olona, Varese
21043 Italy, TEL: 39 0331 858378,
FAX: 39 0331 824390, info@pth-group.com,
www.pth-group.com

Specializes in the production of LED plastic profiles, diffusers and tubes. LED profiles, diffusers and tubes are available in polycarbonate and acrylic transparent, opal and satin UV resistant material and on request with flame retardant material. Technical features include high light transmission and excellent diffusion.

Puritan Plastics Inc

Kitchener, ON, Canada, 1 519 501 1094

Putian International Co

Avondale, AZ, USA, 1 602 410 0825

Quasar Light Co LtdShenzhen, Guangdong, China,
www.quasarled.com**Rachamalla Lighting Solutions Pvt Ltd**Bangalore, Karnataka, India,
www.rachamallaighting.co.in**Radco Infusion Technologies LLC**Toledo, OH, USA, www.radcoindustries.com**Raled LLC**Winter Springs, FL, USA, www.raled.com**Ramp Plus Technologies Pvt Ltd**Bangalore, Karnataka, India,
www.rampplus.com**Rayconn Electronics Co Ltd**Shenzhen, China, www.rayconn.net**Reach Technology Inc**Fremont, CA, USA, www.reachtech.com**REAL images**Ahmedabad, Gujarat, India,
www.realimagedigital.com

**RECOM Power Inc**

18 Bridge St, Unit 4C, Brooklyn, NY
11201 USA, TEL: 1 718 855 9710,
FAX: 1 718 855 9714,
admin@recom-power.com,
www.recom-power.com

■ See ad on page 49

Serves the electronics industry for over 34 years, offering constant current high-power LED-drivers, DC/DC converters, switching regulators and single, dual, and triple output AC/DC converters as standard catalogue products for fast delivery. The principle markets are in the performance oriented lighting, industrial control, data processing, telecommunications, transportation (including avionics), medical industries, military and test equipment although the converters are used in virtually every industry requiring low-to-medium DC voltage conversion in the 0.25–60W range.

RedBird LED

Atlanta, GA, USA, www.redbirdled.com

Regal Lighting Designs

Georgetown, ON, Canada,
www.regallightingdesigns.com

Relte Lighting (TaiCang) Co Ltd

TaiCang, Jiangsu, China, www.led-relte.com

Remtec Inc

Norwood, MA, USA, www.remtec.com

Renco Electronics

Rockledge, FL, USA, www.rencousa.com

Renew Science Inc

Appleton, WI, USA, www.renewscience.com

RenovaSolar Lda

Lisboa, Portugal, www.renovasolar.pt

Retop LED Display Co Ltd

Shenzhen, Guangdong, China,
www.szretop.com

RGB Lights

Lincolnwood, IL, USA, www.rgblights.com

Richtek Corp

San Jose, CA, USA, www.richtek.com

RIFF COMPANY, Inc.

Riff Co Inc

1484 Highland Ave, Cheshire, CT 06410
USA, TEL: 1 203 272 4899,
FAX: 1 203 250 7389,
micro-drilling@riff-co.com,
www.riff-co.com

■ See ad on page 44

Provides burr-free micro-drilling to meet the most demanding requirements. Also offers vertical machining and surface grinding. All drilling, machining, and inspection is performed under climate-controlled conditions.

Rincker Productions

Den Haag, China, www.ledstart.com

ROAL living energy

ROAL Electronics SpA

via Jesina, 56/a, Castelfidardo, Ancona
60022 Italy, TEL: 39 071 721461,
FAX: 39 071 72146480,
info@roallivingenergy.com,
www.roallivingenergy.com

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Is an innovations company with a significant intellectual property and products portfolio in digital power control and solid-state lighting (LED) electronics. The technology focus includes switch mode power supplies, LED drivers, HB LED modules, DSP controls, DMX control interface, motor controls and thermal design. Choose from hundreds of "fixture ready products" with the highest efficiencies and smallest packages in the industry. Interactive product search tool available on the new website.

Robertson Worldwide

Blue Island, IL, USA, www.robertsonww.com

ROHM Semiconductor USA LLC

San Diego, CA, USA, www.rohm.com/us

Rosco Laboratories Inc

Stamford, CT, USA, www.rosco.com

RSoft Design Group

Ossining, NY, USA, www.rsoftdesign.com

RTP Co

Winona, MN, USA, www.rtpcompany.com

Rudolph Brothers & Co

Canal Winchester, OH, USA, www.rudbro.com

Rudolph Technologies Inc

Flanders, NJ, USA, www.rudolphtech.com

Rui Meng Electronics Co Ltd

Shenzhen, Guangdong, China,
www.rmledlights.com

Runion Energy Solutions LLC

Inwood, WV, USA, www.runionenergy.com

S2 Innovative Products Group Ltd

Kelowna, BC, Canada, www.s2ipg.com

S3J Electronics LLC

Lancaster, NY, USA, www.s3jelec.com

Sagitario Lighting SLU

Barcelona, Spain, www.sagitariolighting.com

Saint-Gobain Ceramic Materials

Amherst, NY, USA, www.bn.saint-gobain.com

SAKMA Electronica Industrial SA

Barcelona, Catalonia, Spain, www.sakma.com

Salient Pty Ltd

Sydney, NSW, Australia, www.salient.com.au

San Antonio Landscaping

San Antonio, TX, USA,
www.sanantoniolandscapingservices.com/irrigation.php

Sander Electronics

Orangevale, CA, USA,
www.sanderelectronics.com

San Francisco Circuits

San Mateo, CA, USA, www.sfcircuits.com

Saniltech Co Ltd

Incheon, Korea, www.saniltech.com

sapa:

Sapa Extrusions

9600 Bryn Mawr Ave, Rosemont, IL
60018 USA, TEL: 1 412 996 4872,
stephen.jackson@sapagroup.com,
www.sapagroup.com

Manufactures aluminum profiles and is a key supplier of thermal management solutions for LED applications, including heat sinks, enclosures and light poles. With manufacturing and fabrication capabilities at 16 plants across North America, and a North American technical center, the company works with customers to improve designs, helping to optimize the value of the products.

SATHEA

Prague 6, Czech Republic, www.sathea.cz

Savled/Diranet Oy

Savonlinna, Finland, www.candeeffect.com

SavWatt USA Inc

Baltimore, MD, USA, www.savwatt.com

SAYCO

Guadalajara, Jalisco, Mexico, www.sayco.com

Scape Light Co Ltd

Shenzhen, China, www.scape-light.com

SchahLED Lighting

Munich, Germany, www.schahled.de

company directory | SCHOTT NORTH AMERICA INC

SCHOTT North America Inc

Southbridge, MA, USA,
www.us.schott.com/lightingimaging

Science & Technology

Gandhinagar, Gujarat, India,
www.scientecchnology.com

Sealing Devices Inc

Lancaster, NY, USA, www.sealingdevices.com

SECOL

Bursa, Turkey, www.secol.com.tr

Seesmart Inc

Simi Valley, CA, USA, www.seesmartled.com

Selectronic

Witney, UK, www.selectronic-uk.com

Selectron Inc

Montreal, QC, Canada, www.select-test.com

SemiLEDs

Chu-Nan, Miao-Li, Taiwan, www.semileds.com

SemiProbe

Winooski, VT, USA, www.semiprobe.com

Senior Operations LLC Metal Bellows

Sharon, MA, USA, www.metallbellows.com

Senslite Corp

Jhubei City, Hsinchu County, Taiwan,
www.senslite.com.tw

Senso Lighting Inc

Calgary, AB, Canada, www.sensolighting.com

**SEOUL SEMICONDUCTOR****Seoul Semiconductor**

148-29, Gasan-dong, Geumcheon-gu,
Seoul, Korea, TEL: 82 2 3281 6369,
s1u0n0@acriche.com, www.acriche.com

■ See ad on front cover

Specializes in LED packaging and custom module manufacturing. Provides a full range of LED products including AC-driven semiconductor light sources, Acriche, high-brightness power, side view, top, chip, lamp and high flux LEDs, and custom type modules. Applications for LED products include general lighting, signage, back lighting for mobile phones, TVs, notebook computers, automotive lighting, home appliances, signals, and more.

SEPCO - Solar Electric Power Co

Stuart, FL, USA, www.sepco-solarlighting.com

Shanghai BMT Automation

Shanghai, China, www.bmtsh.com

Shanghai Neolux LED Lightings Co Ltd

Shanghai, China, www.neoluxled.com

Shanghai Yaming-Lighting Co Ltd

Shanghai/Jiading, China,
www.yaming-lighting.com

**Shanxi Guangyu LED Lighting Co Ltd****Shanxi Guangyu Industrial Gardern**

Yaomia District, Linfen, Shanxi

041000 China, TEL: 86 10 62113630,

FAX: 86 10 62153948,

sales@gyledlight.com, www.gyledlight.com

Researches, produces, sells, installs and designs powerful LED light sources, LED indoor and outdoor lighting products, LED mining lighting products, and lithium batteries and packs. Established in 1985.

**Sharp Microelectronics Europe**

Sonninstrasse 3, Hamburg 20097 Germany,

TEL: 49 180 507 35 07, info.sme@sharp.eu,

www.sharpleds.eu

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Based on a modular design, the lighting LED portfolio comprises of around 150 LED components for lighting applications ranging from 3228 chip size LEDs with a luminosity of about 17 lm to high power LED modules of the MegaZENI series with up to 4770 lm at 50W. LEDs feature a light efficiency of up to 105 lm/W with high CRI values of up to 93 and a lifetime of 40,000 hours.

Sheffield Plastics

Sheffield, MA, USA, www.sheffieldplastics.com

Shenzhen Absen Industry Co Ltd

Shenzhen, China, www.szabsen.com

Shenzhen Bang-Bell Electronics

Bldg C, JinXiongDa Industrial Park, Huan'guan

S Rd, Guanlan Town, Bao'an, Shenzhen,

Guangdong 518110 China,

TEL: 86 755 2998 8988,

FAX: 86 755 2998 8616

jasonyang@bbed.com, www.bbed.com

■ See ad on page 111

Manufactures, supplies and exports LED street lights, street lamps, light bulbs, lights, traffic lights and traffic signals. Founded in 1998.

Shenzhen Bliss Lighting Co Ltd

Shenzhen, China, www.bliss-led.com

Shenzhen Bright Lighting Technology

Shenzhen, China, www.bright-led-lighting.com

Shenzhen Brightlux Lighting Technology Co Ltd

Shenzhen, Guangdong, China,

www.led-brightlux.com

Shenzhen Chenze SSL Co Ltd

Shenzhen, Guangdong, China,

www.9981led.com

Shenzhen Chipower Technology Co Ltd

Shenzhen, China, www.chipower.net

Shenzhen Dicolor Optoelectronics Co Ltd

Shenzhen, China, www.dicolor.cn

Shenzhen Eastar Electronic Co Ltd

Shenzhen, China, www.eastarledlighting.com

Shenzhen Fujisunwah Electronic Technology Co Ltd

Shenzhen, Guangdong, China,

www.fujisunwah.com

Shenzhen Greeup Optoelectronic Co Ltd

Shenzhen, Guangdong, China,

www.greeup-ledlights.com

Shenzhen Hi-Semicon Electronics Co Ltd

Shenzhen, Guangdong, China,

www.hisemicon.com

Shenzhen Hongxing Lighting Co Ltd

Shenzhen, Guangdong, China,

www.highsong.com

Shenzhen Jiuzhou Optoelectronics

Shenzhen, China, www.jz-led.com

Shenzhen Lamp Technology Co Ltd

Shenzhen, China, www.szlamp.net

Shenzhen LCF Tec Co Ltd

Shenzhen, China, www.sz-lcf.com.cn

Shenzhen Leadertone Industry Co Ltd

Shenzhen, Guangdong, China,

www.leadertlight.com.cn

Shenzhen Ledia Lighting Co Ltd

Shenzhen, China, www.ledialighting.com

Shenzhen Longvo Technology Development Co Ltd

Shenzhen, Guangdong, China, www.longvo.hk

Shenzhen MR Photoelectricity Co Ltd

Shenzhen, Guangdong, China, www.mrled.cn

Shenzhen Only Optoelectronic Technology Co Ltd

Shenzhen, Guangdong, China,

www.onlyled.com

Shenzhen Refond Optoelectronics Co Ltd

Shenzhen, China, www.refond.com

Shenzhen RSB Fullcolor Display-tech Co Ltd

Shenzhen, Guangdong, China,

www.rsbledsign.com

Shenzhen Spark Optoelectronics

Shenzhen, China, www.spark-oe.com

Shenzhen Top Technology Co Ltd

Shenzhen, Guangdong, China,

www.ledtop168.com

Shenzhen Topvision Optoelectronic Technology Co Ltd

Shenzhen, China, www.tvodisplay.com

Shenzhen Wonderful High Technology Co Ltd

Shenzhen, China, www.whtled.com

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Shenzhen Zhongtian Lighting Co Ltd

Shenzhen, Guangdong, China,
www.ztlights.com


Shin-Etsu Silicones of America

1150 Damar Dr, Akron, OH 44305-1066
USA, TEL: 1 330 630 9860,
ebishop@shinetsusilicones.com,
www.shinetsusilicones.com

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Offers vast technical and capital resources to formulate solutions as a major supplier of silicone materials to North America's medical, automotive, electronics, aerospace, and manufacturing industries. The premium silicone compounds incorporate leading-edge technology, staff expertise, and value-added service; offering customers the highest levels of quality and consistency in specialty silicone materials. A US subsidiary of Shin-Etsu Chemical Co Ltd, Japan.

Shree Ram Electronics

Ahmedabad, Gujarat, India,
www.shreeramindia.com

Sielement LED Lights

Shenzhen, Guangdong, China,
www.sielement.com

Signal Transformer Co

Inwood, NY, USA, www.signaltransformer.com

Signcomplex Ltd

3-4/F, Bldg C, Chuangfu Science & Technology Pk, Beihuan Rd, Shiyan Town, Bao'an District, Shenzhen 518108 China,
TEL: 86 755 2760 8650,
FAX: 86 755 2760 8651,
info@signcomplex.com,
www.signcomplex.com

■ See ad on page 75

Manufactures LED lighting products in China. As an ISO9001:2000 certified company, it has products CE approved and RoHs compliant. Has become the biggest supplier of LED strip lighting. Also provides a diversified range of products to service architectural, commercial and home lightings.

SiliconCore Technology

Milpitas, CA, USA, www.silicon-core.com

Silvermere Group

St Paul, MN, USA,
www.silvermereinternational.com

Silver Star

Guangzhou, China, www.yagang.com

**SinkPAD Corp**

950 Fee Ana St, Unit A, Placentia, CA
92870 USA, TEL: 1 714 660 2944,
enquiry@sinkpad.com, www.sinkpad.com

Provides the SinkPAD, the thermal management PCB technology which conducts heat out of a LED and into the atmosphere in a faster and more efficient manner. Unlike aluminium MCPB, SinkPAD technology provides a direct thermal path from LED to a heatsink. It is most effective in high-power surface mount LED applications.

Smartgreen Technology Co Ltd

Shenzhen, China, www.smtgreen.com

Smart Technologies Electronics Ltd

Shenzhen, China, www.smartledlamp.com

Smitties Lights and Sirens

Kimberley, South Africa,
www.smitties-emergency.webs.com

Solais Lighting Inc

Stamford, NY, USA, www.solais.com

SolarOne Sololutions Inc

Needham, MA, USA, www.solarone.net

Solas Lights for Life Ltd

Kilmarnock, Scotland, UK,
www.led-solutions.co.uk

SolidApollo

Lynnwood, WA, USA, www.solidapollo.com

Solid State LED Lighting

Shenzhen, China,
www.solidstateledlighting.com

Solid State Luminaires

St Charles, IL, USA,
www.solidstateluminaires.com

Solmadis Inc

Candiac, QC, Canada, www.solmadis.com

SoundOff Signal

Hudsonville, MI, USA, www.soundoffsignal.com

Spark LED Lighting (HK) Co Ltd

Kowloon, Hong Kong,
www.sparkledlighting.com

Sparkle Power Inc

San Jose, CA, USA, www.sparklepower.com

Specialty Coating Systems

Indianapolis, IN, USA, www.scscoatings.com

Spectral LV Lighting Systems

Newmarket, ON, Canada, www.spectrally.ca

Spectrum Illumination

Montague, MI, USA,
www.spectrumillumination.com

Sperger Handels GmbH

Taufkirchen, Munich, Germany,
www.sperger-handel.eu

Spring City Electrical Manufacturing

Spring City, PA, USA, www.springcity.com

SSLI Ltd

Cardiff, UK, www.ssli.com

Stanley Electric Co Ltd

Tokyo, Japan,
www.stanley-components.com/en

Stanley Electric Co Ltd (UK)

Bracknell, Berks, UK,
www.stanley-components.com

Starled Inc

Carson, CA, USA, www.starled.com

Stellaray Technology Ltd

Shenzhen, Guangdong, China, www.sr-leds.com

StellarNet Inc

Tampa, FL, USA, www.stellarnet.us

STMicroelectronics Inc

Burlington, MA, USA, www.st.com

Stouch Lighting

Aston, PA, USA, www.stouchlighting.com

Strataplex Inc

Tucson, AZ, USA, www.strataplexinc.com

STR Group Ltd

St Petersburg, Russian Federation,
www.str-soft.com

Suncolor Corp

North Canton, OH, USA, www.suncolorcorp.com

Sunenergy1

Mooresville, NC, USA, www.sunenergy1.com

SunLED Corp

Walnut, CA, USA, www.sunledusa.com

Sunlite411 Inc

El Monte, CA, USA, www.sunlite411.com

Sunna Energy Pvt Ltd

Auroville, Tamil Nadu, India, www.sunna.in



Sunonwealth Electric Machine Industry Co Ltd
No 30, Ln 296, Xinya Rd, Qianzhen Dist,
Kaohsiung City 806 Taiwan,
TEL: 886 7 8135888, FAX: 886 7 8230505,
sunon@email.sunon.com.tw, www.sunon.com

■ See ad on page 1

Provides total thermal solutions, specializing in developing innovative cooling technologies for LED lighting. Helps LED bulbs become more brilliant, energy-saving, and compact with a longer lifespan in very limited space, as well as cools down the temperature of the power supply. Has more than 30 years experience in high-efficient cooling.

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Sunpower Technology LLP

Aldermaston, Berkshire, UK,
www.sunpower-uk.com

Sunsify International

Santa Clara, CA, USA, www.sunsify.com

Super Service System

Ahmedabad, Gujarat, India

Supreme Electroplast Industries

Mumbai, India, www.supshitl.com

Surface Mount Techniques SMT

Huntington Beach, CA, USA,
www.smtprinters.com

SUSS MicroTec

Garching, Germany, www.suss.com

Svetel LLC

St Petersburg, Russian Federation,
www.svetled.org

Switch Lighting

Nelson, New Zealand,
www.switch-lighting.co.nz

Sycamore Glass Components

Sycamore, IL, USA, www.sycamore-glass.com

Synapse Wireless Inc

Huntsville, AL, USA,
www.synapse-wireless.com

SYNOPSIS®**Synopsis Inc**

3280 E Foothill Blvd, Suite 300, Pasadena,
CA 91107-3188 USA, TEL: 1 626 795 9101,
FAX: 1 626 795 9102, info@opticalres.com,
www.opticalres.com

Develops optical design software, with CODE V for imaging design, and LightTools for illumination design. CODE V has state-of-the-art capabilities for lens optimization, analysis, tolerancing, beam propagation, and coupling efficiency. LightTools features virtual prototyping, simulation, optimization, and photorealistic renderings of illumination applications, including LED die packaging and LED-driven illumination systems. The engineering services team has successfully completed over 4800 design projects for government, commercial, and consumer products, including illumination applications.

Taconic Advanced Dielectric Division

Mullingar, Co Westmeath, Ireland,
www.taconic-add.com

Taiwan Oasis Technology Co Ltd

Taipei City, Taiwan, 886 2 2706 6258

Tally Display Corp

Clifton, NJ, USA, www.tallydisplay.com

Talon Aerospace

Helena, AL, USA, www.talonaerospace.com

TAOS Inc

Plano, TX, USA, www.taosinc.com

Tasca

Germantown, WI, 53022, USA,
www.tascalight.com

TDK Corp

Lincolnshire, IL, USA, www.tdk.com

TEAM Instruments Co Ltd

Kaohsiung, Taiwan, www.team-meter.com.tw

Tecartex Digital Solutions SL

Badajoz, Extremadura, Spain,
www.tecartex.com

Telops Inc

St-Jean Baptiste, QC, Canada, www.telops.com

**Tempo Industries**

1961 McGaw Ave, Irvine, CA 92614 USA,
TEL: 1 949 442 1601, FAX: 1 949 442 1609,
info@tempoindustries.com,
www.tempoindustries.com

Provides pedestrian safety lighting systems in cinemas, theaters and entertainment arenas. The newest addition to the commercial lighting market is the award-winning Series 6000 high-power LED articulated cove and soffit lighting system. Founded in 1986.

Tepcomp Oy

Turku, Finland, www.tepcomp.fi

TerraLUX Inc

Longmont, CO, USA,
www.terraluxillumination.com

**Texas Instruments**

12500 TI Blvd, Dallas, TX 75243 USA,
TEL: 1 214 480 1920, FAX: 1 214 480 6662,
www.ti.com/led

Provides high-performance LED lighting design ICs. From RF and power management (including AC/DC, power factor correction, DC/DC and linear power conversion) to real-time controls and ultra-low-power MCUs, incorporating LED Driver IC solutions can help differentiate LED lighting designs. In addition, The company's local support and applications expertise can help LED IC-based products get to market faster. Download the LED Reference Design Cookbook online.

ThermoKing Technology Int'l Corp

Wugu Township, Taipei, Taiwan,
www.ttic-tech.com.tw

Thermal Solution Resources LLC

Narrabansett, RI, USA, www.thermsource.com

Thinkwise Lighting

Melbourne, VIC, Australia,
www.thinkwise.com.au

Thomas Research Products

11548 Smith Dr, Huntley, IL 60142 USA,
TEL: 1 847 515 3057, FAX: 1 847 515 3047,
glenn@thomasresearchproducts.com,
www.thomasresearchproducts.com

■ See ad on page 51

Supplies LED drivers and has a comprehensive range of long-life constant current, constant voltage, 0-10V dimmable, and line-voltage dimmable drivers. Detailed specification sheets are online. Also has the ability to quickly design and deliver custom LED drivers for specific requirements. Every design is optimized for quality and longevity.

Three Five Compounds Inc

New York, NY, USA, www.iii-vcompounds.com

Ticona Engineering Polymers

8040 Dixie Hwy, Florence, KY 41042 USA,
TEL: 1 800 833 4882, FAX: 1 859 372 3125,
prodinfo@ticona.com, www.ticona.com

Offers high-performance engineering polymers in high-brightness LED lighting and backlighting applications. Primary products include Vectra/ Zenite LCP and Thermx PCT. Provides global technical services with experts in design, analytical and molding to help customers make optimum use of polymers.

TNT Plastic Molding Inc

Anaheim, CA, USA, www.tntplasticmolding.com

Tokistar Lighting Inc

Anaheim, CA, USA, www.tokistar.com

Tomasko & Associates

Seymour, CT, USA,
www.tomaskoandassociates.com



Top Energy Saving System Corp.

Top Energy Saving System Corp (TESS)
3F, No 115, Wugong 3rd Rd, Wugu
District, New Taipei City 248
Taiwan, TEL: 886 2 22997688,
FAX: 886 2 22997568, inquiry@tesscop.com,
www.tesscop.com

Holds over 60 patents distributed in EU, US, JP, CN, and TW and provides innovative and speedy R&D capability. Provides the high quality and high lumen-output LED lighting equipment that can compete in international markets ranging from LED bulb, LED down light, spot light and lighting series with 4 to 20W for assorted application, which replace incandescent bulb from 25 to 120W.

TOP LED Ltd

Shenzhen, Guangdong, China,
www.top-led-light.com

T-Opto, Toyota Tsusho America

New York, NY, USA, www.t-opto.com

Toshiba International Corp

Houston, TX, USA, www.toshiba.com/lighting

Toshiba Corp New Lighting Systems Div

Tokyo, Japan, www.toshiba.co.jp/lighting

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Toshiba Electronics Europe
Hansaallee 181, Dusseldorf 40549
Germany, TEL: 49 211 5296 0,
info@toshiba-components.com,
www.toshiba-components.com

■ See ad on page 64

Manufactures optoelectronic components. LEDs are available in a wide SMD package line-up. All colors can be served with highest luminosity and highest reliability for applications from automotive and LCD backlighting to general lighting. Latest products are very powerful white and warm white LEDs with an efficacy of 120 lm/W.

Towa Corp

Kyoto, Japan, www.towajapan.co.jp

TPL Vision

La Chevroliere, France, www.tpl-vision.net

Traxon Technologies Ltd

East Rutherford, NJ, USA,
www.traxontechnologies.com

Tridonic

Dornbirn, Austria, www.tridonic.com

Trilux LED Lighting Industry Corp

Shenzhen, Guangdong, China,
www.trilux-led.com

Trion Technology

Clearwater, FL, USA, www.triontech.com

Tri-State LED

Greenwich, CT, USA, www.tristateled.com

TT electronics Optoelectronic Business Unit

Carrollton, TX, USA, www.optekinc.com

TÜV SÜD America Inc

Alpharetta, GA, USA, www.tuvamerica.com

TÜV SÜD America Inc

Peabody, MA, USA, www.tuvamerica.com

Twin Hill Co Ltd

Taipei City, Taiwan, www.twinhill.cc

UBLeds Co Ltd

New Taipei City, Taipei, Taiwan,
www.ubleds.com.tw

UK Optical Plastics Ltd

Leicester, Leicestershire, UK,
www.ukopticalplastics.com



UL - Underwriters Laboratories Inc
333 Pfingsten Rd, Northbrook, IL
60062 USA, TEL: 1 877 854 3577,
lumen.insights@us.ul.com,
www.ul.com/lighting

■ See ad on page 98

Provides product safety testing and certification for over 110 years. The UL mark is the most recognized and trusted symbol of safety in the world. UL is an architect of the US safety system, having developed more than 850 product standards, and actively participating in national and international standards development. Tests more than 19,000 types of products, and 20 billion UL marks appear in the marketplace each year. Consumers and regulatory authorities value UL as a leader on safety issues. With public safety at the heart of the mission, it acts as a safety resource and advocate. The organization works closely with customers, regulators, insurers, retailers and consumers on research, technology and safety initiatives. It promotes public safety through education and outreach, including through and to the media. Working with more than 71,000 customers in 96 countries, the company helps enhance safety and quality on a global scale. From 62 laboratories, testing and certification facilities worldwide, it is working for a safer world. Has a special standard for LED lighting which will facilitate the North American market access of products.

UNI-EE Electric Appliance Co Ltd

Guangzhou, China, www.uni-ee.com

Uniled Technologies (FZC)

Sharjah, United Arab Emirates, www.uniled.co

Unilumin Group Co Ltd

Shenzhen, China, www.unilumin.com

Unity-Advance Electronics Co Ltd

Shenzhen, China, www.uapcb.com

UPEC Electronics Corp

Taipei, Taiwan, www.u-pec.com

Upstream Engineering Inc

Oulu, Finland, www.upstream.fi

Urban Solar Corp

Victoria, BC, Canada, www.urbansolarcorp.com

US Eco-Light

Prattville, AL, USA, usecolight.com

**USHIO America**

5440 Cerritos Ave, Cypress, CA 90630 USA,
TEL: 1 800 838 7446, www.ushio.com

Develops solid-state lighting solutions for a variety of general lighting and specialty lighting applications. Offers LED replacement lamps for decorative and display lighting, LED systems for architectural, entertainment, medical and sign lighting applications as well as solid state lasers for projection and fiber-optic systems.

usLEDsupply

Mercer, PA, USA, www.usledsupply.com

Vanguard Energy Solutions

Sheffield Village, OH, USA,
www.vanguardenergysolution.com

VAOPTO

Las Vegas, NV, USA, www.vaopto.com

VAT

Woburn, MA, USA, www.vatvalve.com

**Veeco Instruments Inc**

1 Terminal Dr, Plainview, NY 11803 USA,
TEL: 1 516 677 0200, FAX: 1 516 714 1231,
sales@veeco.com, www.veeco.com

Offers high brightness light emitting diodes (HB LEDs). Manufacturers with the unique technology, in-depth support and industry-leading innovation needed to meet the surging demand for backlighting, general illumination, automotive and other lighting applications, and more.

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VektrexSan Diego, CA, USA, www.vektrex.com**Ventec USA**Ward Hill, MA, USA, www.ventec-usa.com**Verbatim Americas LLC**1200 W WT Harris Blvd, Charlotte, NC 28262 USA, www.verbatimlighting.com

Offers high-quality solid state lighting products that offer energy savings and provide excellent light quality.

Verbatim GmbHEschborn, Germany, www.verbatimled.eu**Vexica Technology Ltd**Leeds, West Yorkshire, UK, www.vexica.com**Via Expo**Plovdiv, Bulgaria, www.viaexpo.com**Vigilant Technology Co Ltd**Lamplatiw, Ladkrabang, Bangkok, Thailand, www.vigilant-techno.com**Visionaire Lighting**Rancho Dominguez, CA, USA, www.visionairelighting.com**Visual Dimensions NA Inc**Irvine, CA, USA, www.visual-dna.com**Visual Interactive Ltd**Cannock, Staffs, UK, www.visualinteractive.co.uk**viviLED Display Co**Laguna Hills, CA, USA, www.viviled.com**Vvview Optoelectronic Technology Co Ltd**Bao'an district, Shenzhen, China, www.led-video-screens.com**Wakefield Solutions**Pelham, NH, USA, www.wakefield.com**Wall Industries Inc**Exeter, NH, USA, www.wallindustries.com**Wamco Inc**Fountain Valley, CA, USA, www.wamcoinc.com**Watt Works Inc**Columbus, OH, USA, www.wattworks.com**Wavelength Electronics Inc**Bozeman, MT, USA, www.teamwavelength.com**Wei Min Industrial Co Ltd**Taichung Hsien, Taiwan, www.weimin.com.tw**WELLS-CTI**Phoenix, AZ, USA, www.wellscti.com**Wellypower Optronics Co**Hsinchu, Taiwan, www.wellypower.com**Wessel LED Lighting Systems**Davie, FL, USA, www.led-lighting-systems.net**West Bank Engineering Consultancy Ltd**Doncaster, South Yorks, UK, www.wbecltd.com**Westboro Photonics**Ottawa, ON, Canada, www.wphotonics.com**WhiteOptics**New Castle, DE, USA, www.whiteoptics.com**Wilbrecht Ledco Inc**St Paul, MN, USA, www.wilbrechtledco.com**Wilger Liaison Co Inc**

Sarasota, FL, USA, 1 941 925 2049

**Wilger Testing Co Inc**5654 Sarah Ave, Sarasota, FL 34233 USA, TEL: 1 941 925 2049, FAX: 1 941 925 5964, inquiries@wilgertesting.com, www.productsafetytesting.com

Operates as a ISO17025 accredited testing laboratory to UL/ANSI standards in lighting. With 31 year's service, makes product safety fast, thorough, and accurate. Expertise is unmatched with members of ANSI Lighting Standard forming committees as part of the service. No obligation quotes available.

Wilson Process SystemsHastings, East Sussex, UK, www.wps.co.uk**WiseLED**Gilleleje, Denmark, www.wiseled.com**World of Lights LED Solutions Inc**Burlington, ON, Canada, www.ledsolutions.ca**WT&T Inc**Pierrefonds, QC, Canada, www.wttechnology.com**Wurth Electronics Midcom Inc**Watertown, SD, USA, www.we-online.com/midcom**Wuxi Kinlight Optoelec Technology**Wuxi, China, www.ledkl.com**X Design Led Lighting**Dublin 11, Ireland, www.xdesign.ie**Xiamen Xing Henglong Lighting Technology Co Ltd**Xiamen, Fujian, China, www.xinghenglong.com**Xicato Inc**San Jose, CA, USA, www.xicato.com**Xing Henglong Lighting Technology Co Ltd**Xiamen, Fujian, China, www.xinghenglong.com**YEG Opto**High Wycombe, Buckinghamshire, UK, www.yegopto.co.uk**Yireh Infotech Pvt Ltd**

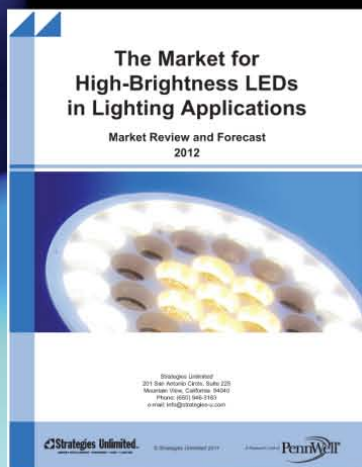
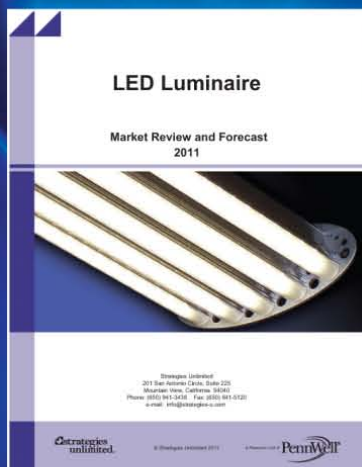
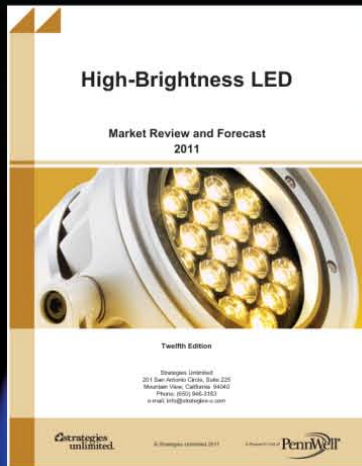
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Develops quality products in digital display, LED solutions, IT, and renewable energy. It is the company principle to carry out customer orientation on the basis of trust and sincerity with experience and innovative technology.

YYZ Systems IncMississauga, ON, Canada, www.yyzsystems.com**ZC&R Coatings for Optics**Torrance, CA, USA, www.zcrcoatings.com**ZEISS GmbH**Munich, Germany, www.zeiss.com**ZEMAX Development Corp**Bellevue, WA, USA, www.zemax.com**Zetamar Elektronik Tic Ltd Sti**Istanbul, Turkey, www.zetamar.com**Zhejiang Jinzhong Machinery & Electronic Technology Co Ltd**Jiaxing, ZheJiang, China, www.jxjinzhong.com**Zuhai Mingyuan Lighting Co Ltd**Zuhai, Guangdong, China, www.ecled.com**Zuhai Shengchang Electronics Co Ltd**Guangdong, China, www.scpower.net.cn**Zierick Manufacturing Corp**Mount Kisco, NY, USA, www.zierick.com**ZMDI - Zentrum Mikroelektronik Dresden**Dresden, Germany, www.zmdi.com**Zydoled**La Puebla de Alfinden, Zaragoza, Spain, www.zydoled.com

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