



2017



Company Profile

Light Emitting Designs is a world-leading manufacturer of high quality LED lighting fixtures. The company's patented technologies and innovative optical design enables reliability and ultra-high efficacy, which has revolutionized the LED lighting industry. Our product line delivers flexible lighting solutions ranging from Residential, Commercial, Industrial, Hazardous location and Public Infrastructure applications.

Headquartered in the United States, our Marketing and Sales offices span across all five continents with direct manufacturing and R & D facilities located in Taiwan.

Light Emitting Designs' commitment is to be the leading provider of sustainable interactive lighting technologies through quality and craftsmanship.

Environment

Recently, the International Energy Agency (IEA) has claimed that energy-related CO2 emissions are at historic highs and have estimated that these emissions may almost double by 2050. It is with these studies in mind that the world's top scientists have targeted for half of all power to come from green sources by 2035.

Light Emitting Designs echoes these beliefs and is very conscious of its effect on the environment. In addition to creating some of the most energy efficient lights on the market, the company is dedicated to do its part to preserve the world we live in.



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LM Series

LED Architectural Downlighting



- HIGH LUMEN OUTPUT
- RECESS / SURFACE MOUNT
- GREEN ENERGY EFFICIENT LIGHTING

LM Series

LED Architectural Downlighting



Product Information

Light Emitting Designs introduces the ultimate in architectural lighting with the latest generation of LED technology in the all-new LM series architectural light.

The LM series surpasses all other recessed architectural LED light fixtures in the industry with its advanced design and engineering. The LM Series is designed for commercial and residential lighting used for both indoor / outdoor applications.

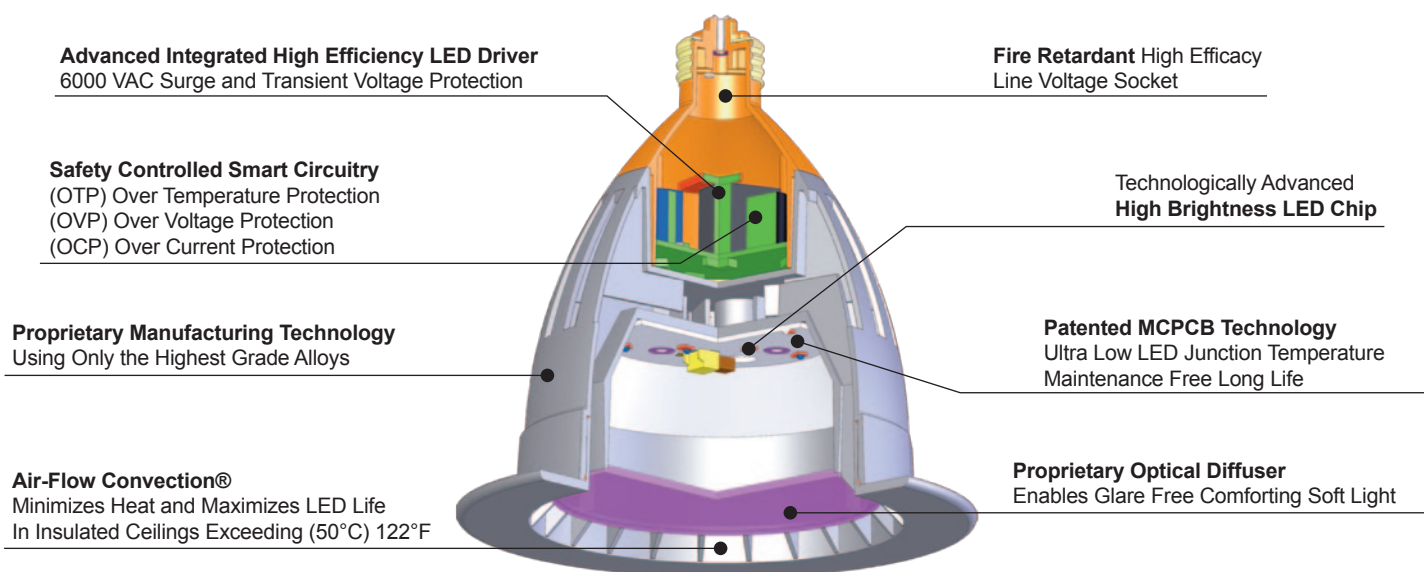
It fits in most standard recessed IC or non IC housings for retrofit or new construction. LM Series is able to obtain an unprecedented evenly uniform bright light, while maximizing the life of the LED light module.

Patent No. 8,757,842 B2 / 8,272,765 B2 / 20130242548 A1
Other US and International patents pending

LM Series

LED Architectural Downlighting

Technical Drawing



Advantages of LM Series

- Ultra bright industry leading **High Efficacy (lm/W)** Luminaire with a **Short ROI Period**
- LM120 - 13 Watt / LM150 - 15 Watt / LM200 - 20 Watt
- **High CRI** with warm comforting soft light
- **Uniform Glare-Free** lighting without the uncomfortable LED “eye piercing effect”
- **Patented thermal solution** enables low LED Junction Temperatures (T_j) for maintenance free long life
- **5-Year Limited Warranty**
- **Dimmable** built-in LED driver with **Smart Circuitry** enables greater protection when used in unstable electrical grids
- **Indoor / Outdoor** all-in-one luminaire for retrofit or new construction
- Designed and Engineered in the **USA**

Application

- Residential
- Retail
- Hospitality
- Healthcare
- Schools
- Office

LM Series

LED Architectural Downlighting

Features

- **LM Series** Light Module is designed to last 60,000 hours with a minimum of 70% Lumen Maintenance
- High lumen output & high efficacy
- Available in warm 2700 / 3000K, neutral 4000K and cool 5000K white
- Dimmable to 25% with selected dimmers (excluding LM 200)
- Available in GU-24 Base for high efficacy line voltage sockets
- Suitable for recessed IC and non IC housings
- Indoor / outdoor: Ideal for damp locations

Housing

- Proprietary **Air-Flow Convection® System** designed to minimize heat and maximize LED life by reducing the junction temperature of the LED when used in environments exceeding 50°C (122°F)
- LM Series is manufactured using only the highest grade alloys and proprietary die-casting technology in the construction of the dome housing and heat sink to maximize performance and minimize cooling cost

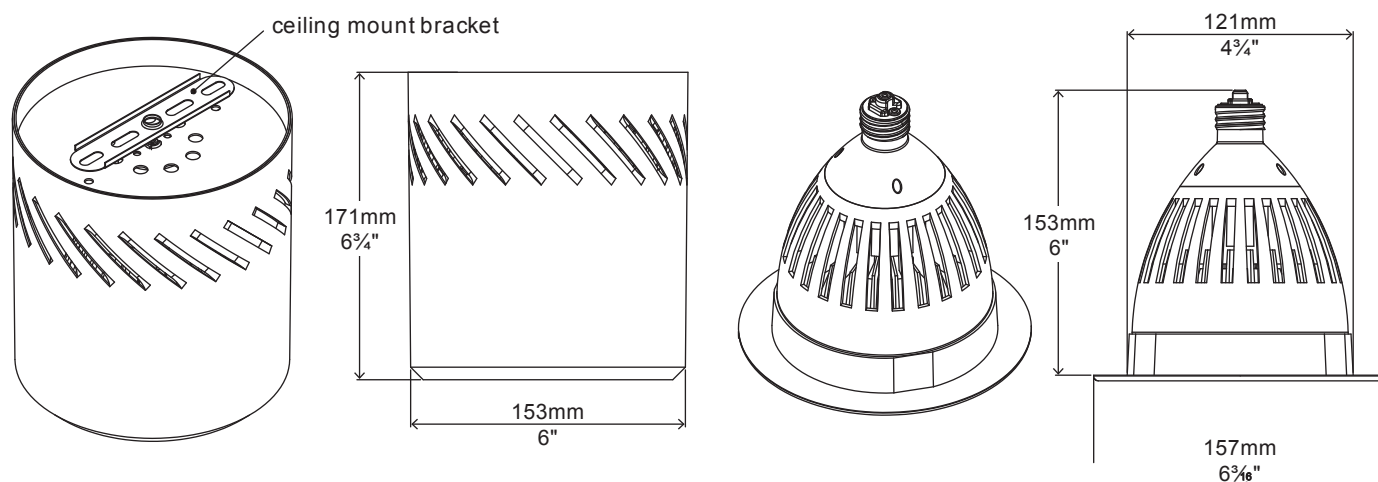
Electronics

- Patented MCPCB technology enables ultra low LED junction temperatures for maintenance free long life
- Integrated high efficiency LED driver and power supply
- Smart circuitry with surge and transient voltage protection
- Precisely controlled **constant current** draw for stable power source
- Powered by industry leading high brightness **LED** chip

Optics

- Proprietary reflector and optical diffuser system enables 120° glare-free comforting soft light without the uncomfortable LED "eye piercing effect"

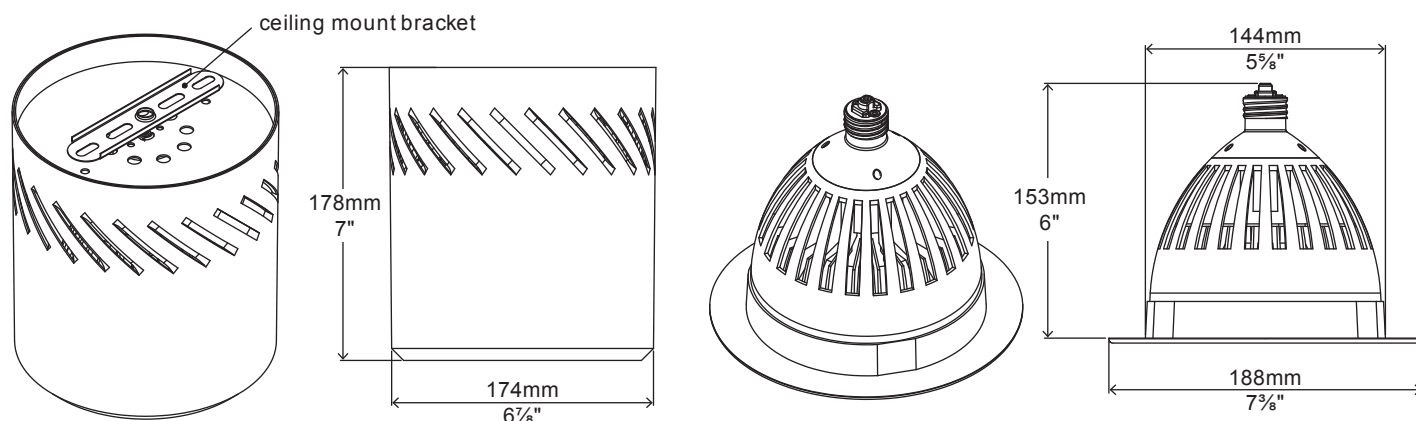
External Dimensions - LM120



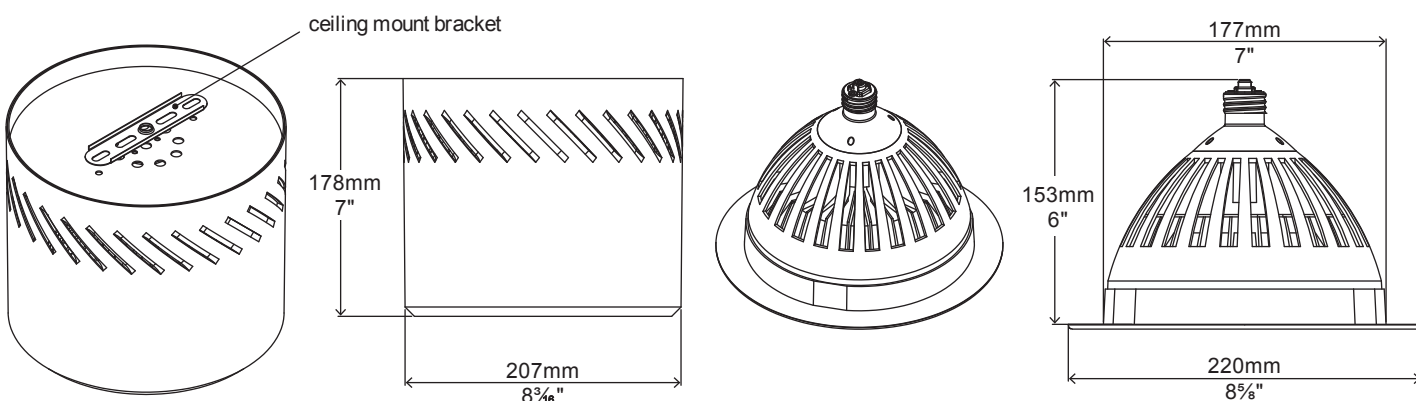
LM Series

LED Architectural Downlighting

External Dimensions - LM150



External Dimensions - LM200



LM Series

LED Architectural Downlighting

Sockets

E26/27 Standard Edison Socket



GU-24 Base Socket



Mounting options



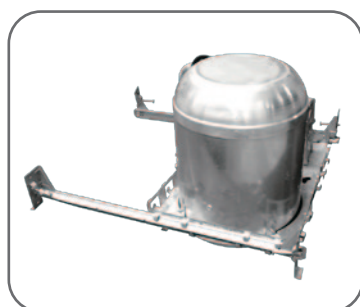
INDOOR CAN / RETROFIT

Part Number	Part Description
RH120	RH120 - Recessed Housing for Retrofit
RH150	RH150 - Recessed Housing for Retrofit
RH200	RH200 - Recessed Housing for Retrofit



SURFACE MOUNT / OUTDOOR CAN

Part Number	Part Description
SMH120G-W	LM120 GU24 Base Socket / Surface Mount Housing / Indoor / Outdoor / White
SMH150G-W	LM150 GU24 Base Socket / Surface Mount Housing / Indoor / Outdoor / White
SMH200G-W	LM200 GU24 Base Socket / Surface Mount Housing / Indoor / Outdoor / White



INDOOR CAN / NEW CONSTRUCTION

Part Number	Part Description
NH120	NH120 - Recessed Housing for New Construction
NH150	NH150 - Recessed Housing for New Construction
NH200	NH200 - Recessed Housing for New Construction

P5500

LED Architectural Downlighting



- HIGH TECH ENERGY EFFICIENT DESIGN
- COMMERCIAL & RESIDENTIAL INDOOR LIGHTING
- ADVANCED INTEGRATED THERMAL TECHNOLOGY

P 5500 Series

PAR38 LED Architectural Downlighting



Product Information

P5500 is a high output **PAR 38 LED** lamp with advanced integrated thermal technology.

It comes with standard Edison base socket and can be used in commercial or residential lighting for interior applications.

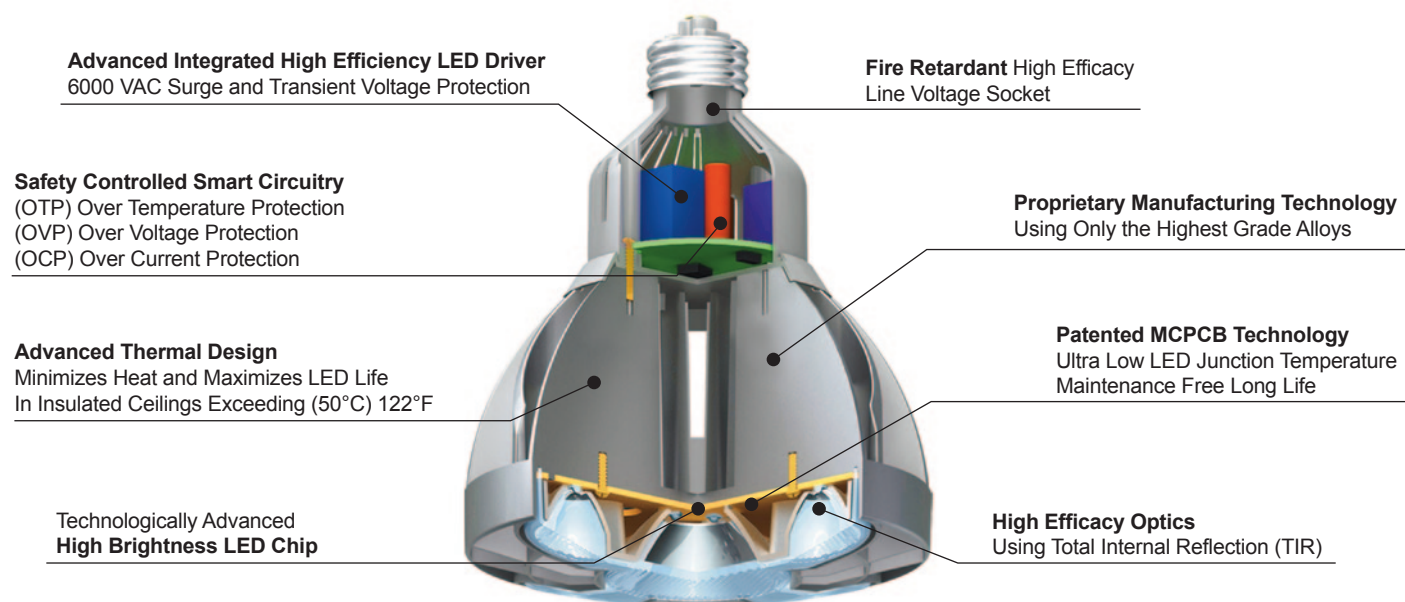
P5500 has a unique optical design that delivers maximum light output with an evenly uniform light distribution. Its High-Tech energy efficient design ensures reliable operation with a Short ROI Period for the commercial and hospitality sector.

Patent No. 8,757,842 B2 / 8,272,765 B2 / 20130242548 A1
Other US and International patents pending

P5500 Series

PAR38 LED Architectural Downlighting

Technical Drawing



Advantages of P5500

- **High Efficacy (lm/W)** PAR 38 down light with a **Short ROI Period**
- Available in 13 Watt configuration
- **High CRI**, glare-free uniform lighting
- **Advanced integrated thermal technology** enables low LED Junction Temperatures (Tj) for maintenance free long life.
- **5-Year Limited Warranty**
- **Dimmable** built-in LED driver with **Smart Circuitry** enables greater protection when used in unstable electrical grids
- **Indoor / Outdoor** all-in-one PAR lamp for retrofit or new construction
- Designed and Engineered in the **USA**

Application

- Residential
- Retail
- Hospitality
- Healthcare
- Display

P5500 Series

PAR38 LED Architectural Downlighting

Features

- P5500 Light Module is designed to last 60,000 hours with a minimum of 70% Lumen Maintenance
- High lumen output & high efficacy
- Available in warm 2700 / 3000K, neutral 4000K and cool 5000K white
- Dimmable to 25% with selected dimmers
- Suitable for recessed IC and non IC housings
- Indoor / outdoor: Ideal for damp locations

Housing

- Proprietary **Air-Flow Convection® System** designed to minimize heat and maximize LED life by reducing the junction temperature of the LED when used in environments exceeding 50°C (122°F)
- P5500 is manufactured using only the highest grade alloys and proprietary die-casting technology in the construction of the dome housing and heat sink to maximize performance and minimize cooling cost

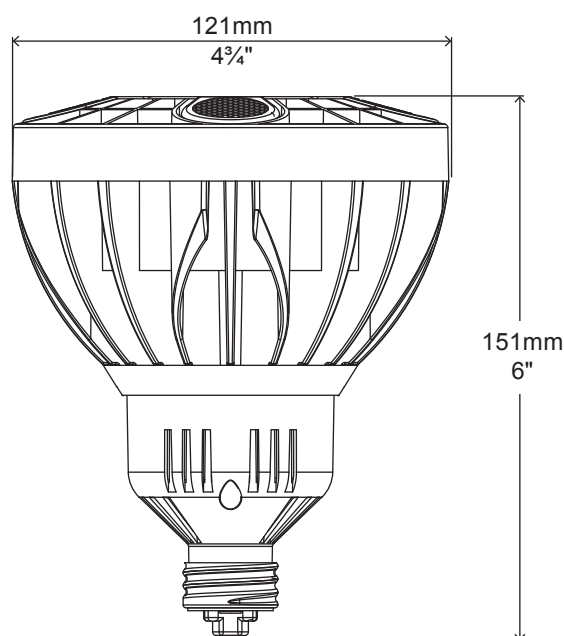
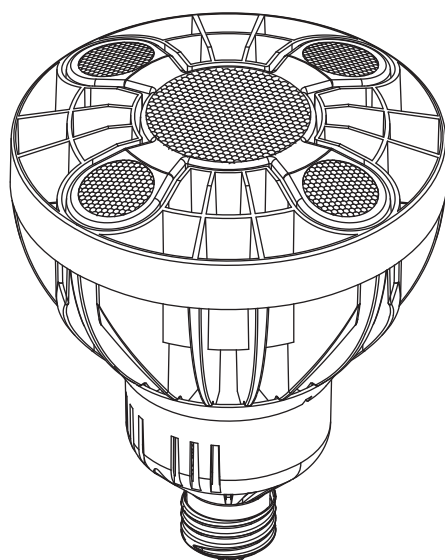
Electronics

- Patented MCPCB technology enables ultra low LED junction temperatures for maintenance free long life
- Integrated high efficiency LED driver and power supply
- Smart circuitry with surge and transient voltage protection
- Precisely controlled **constant current** draw for stable power source
- Powered by industry leading high brightness **LED** chip

Optics

- Proprietary high efficacy optical design using **Total Internal Reflection (TIR)** to deliver light where you need it most.

External Dimensions



P5500 Series

PAR38 LED Architectural Downlighting

Sockets

E26/27 Standard Edison Socket



Mounting options



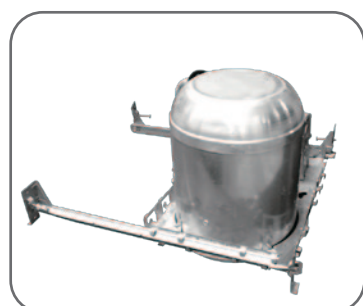
INDOOR CAN / RETROFIT

Part Number	Part Description
RH5500	RH5500 - Recessed Housing for Retrofit



SURFACE MOUNT / OUTDOOR CAN

Part Number	Part Description
SMHP5500E-W	P5500 E26/27 Socket / Surface Mount Housing / Indoor / White



INDOOR CAN / NEW CONSTRUCTION

Part Number	Part Description
NH5500	NH5500 - Recessed Housing for New Construction

CLM422

LED Ceiling Luminaire Module



- PATENTED THERMAL SOLUTION FOR MAINTENANCE FREE LONG LIFE
- LIGHT WEIGHT ELIMINATES CEILING REINFORCEMENT
- EASY TO INSTALL / RETROFIT OR NEW CONSTRUCTION

CLM 422 Series

LED Ceiling Luminaire Module



Product Information

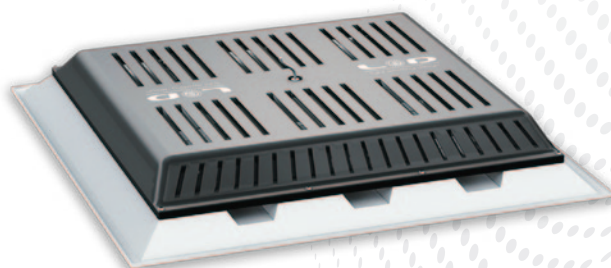
The **CLM422** LED Ceiling Luminaire Module is the first truly engineered commercial grade (2'x 2') LED office light designed to replace fluorescent fixtures of much higher wattage classes.

It delivers evenly distributed horizontal and vertical foot-candles, ideally suited for typical work spaces and utility areas. The Patented Air Bi-Pass Convection System enables excellent thermal management to ensure long LED life with extended lumen maintenance and virtually zero fixture maintenance.

The CLM422 is the most cost effective, commercially viable solution available on the market today.

Patent # 20130242548 A1

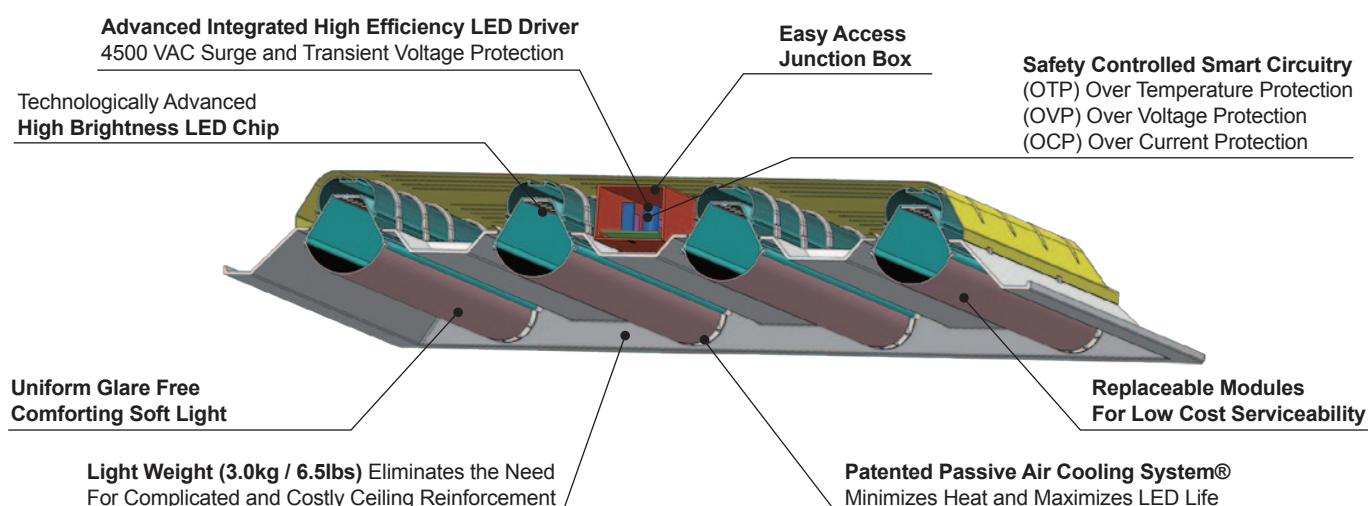
Other US and international patents pending



CLM 422 Series

LED Ceiling Luminaire Module

Technical Drawing



Advantages of CLM422

- **Standard 2' x 2' LED replacement** ceiling luminaire (troffer) for all office spaces
- **Light Weight (3.0kg / 6.5lbs)** eliminates the need for complicated and costly ceiling reinforcement
- **Glare-Free**, comfortable uniform lighting for all working environments
- **Smart Circuitry System** gives greater protection when used in unstable electrical grids
- Available with Programmable and **RF Wireless Dali Smart Control System with PIR motion sensor** enabling greater flexibility and maximizing savings
- **Replaceable modules** for low cost serviceability
- Available in **35 and 45 Watt** configuration
- **Cost Effective Solution** as a true LED replacement with a 5-Year Warranty
- **Easy to Install**, ideal for retrofit and new construction
- Designed and Engineered in the **USA**

Application

- Commercial Office
- Healthcare
- Hospitality
- Schools

CLM 422 Series

LED Ceiling Luminaire Module

Features

- CLM422 Light Module is designed to last 80,000 hours with a minimum of 70% Lumen Maintenance
- Available in warm (3000K), neutral (4000K) & cool (5000K) white
- High lumen output & high efficacy
- Ultra-Energy efficient
- Indoor application

Light Module

- Patented Passive Air-Flow Convection® System designed to minimize heat and maximize LED life by reducing junction temperature of the LED
- CLM422 is manufactured using only the highest grade extruded alloys in the construction of each luminaire to maximize performance

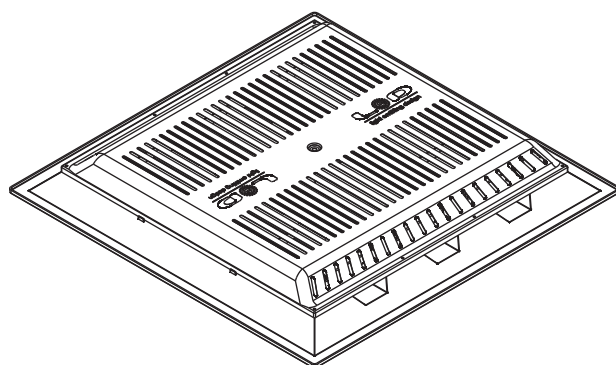
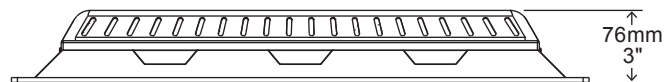
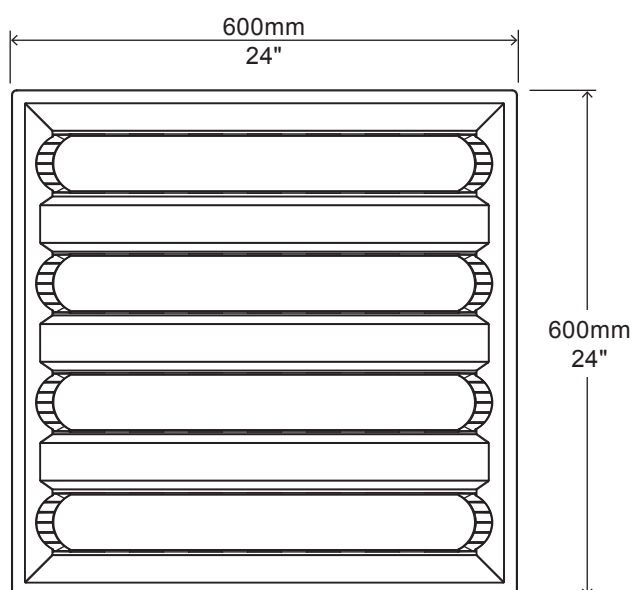
Electronics

- Patented MCPCB Technology enables ultra low LED junction temperatures for maintenance free long life
- Integrated high efficiency LED driver and power supply
- Smart circuitry with surge and transient voltage protection
- Powered by industry leading high brightness LED chip

Optics

- Proprietary reflector and optical diffuser system enables 120° glare-free comforting soft light without the uncomfortable LED “eye piercing effect”

External Dimensions



Packaging Information

Case Quantity	Dimensions (LxWxH)	Weight
5	65 x 65 x 45 cm 25 ⁵ / ₈ x 25 ⁵ / ₈ x 17 ³ / ₄ in	21.5 kg 47.4 lbs



SML Series

LED LINEAR LIGHTING



ULTRA BRIGHT

HIGH TECH

DURABLE

SML Series

LED Linear Utility Lighting



Product Information

The **SML** series Surface Mount Luminaire is a **lightweight** all-purpose utility linear light with versatile mounting options. It is designed for indoor and outdoor applications that require high output of light for industrial facilities.

It is an **ultra-energy** efficient high efficacy luminaire replacing fluorescent fixtures of much higher wattages. The SML series is available in **12 / 24 / 38 Watts** and provides glare-free, 240° comfortable uniform lighting in all working environments. The patented **Passive Air Cooling System** enables low LED Junction Temperatures (T_j) for maintenance free long life.

Patent # 20130242548 A1

Other US and international patents pending



SML Series

LED Linear Utility Lighting

Easy Access Serviceable
All-In-One Junction Box

Versatile Mounting Choices
For Most Applications

Safety Controlled Smart Circuitry
(OTP) Over Temperature Protection
(OVP) Over Voltage Protection
(OCP) Over Current Protection

Patented Passive Air Cooling System®
Minimizes Heat and Maximizes LED Life

Technologically Advanced
High Brightness LED Chip

Proprietary Reflector and Optical Diffuser
Enables 240° Glare Free Comforting Soft Light

Advantages of SML Series

- All-purpose utility lighting with **Short ROI Period**
- SML500 - 12 Watt / SML1000 - 24 Watt / SML1500 - 38 Watt
- **Light weight** easy to install versatile design with various mounting options
- **Smart Circuitry System** gives greater protection when used in unstable electrical grids
- **Glare-Free, 240°** comfortable uniform lighting for all working environments
- **Patented Passive Air Cooling System** enables low LED junction temperatures (T_j) for maintenance free long life
- Easy Access Serviceable all-in-one junction box / LED driver
- **Cost effective Solution** as a true LED replacement with a 5-Year Warranty
- Designed and Engineered in the **USA** and manufactured in Taiwan

Application

- Manufacturing Plants
- Warehouses
- Parking Structures
- Utility Lighting
- Car Bays
- Convenient Stores
- Assembly Lines



SML Series

LED Linear Utility Lighting

Mounting Options



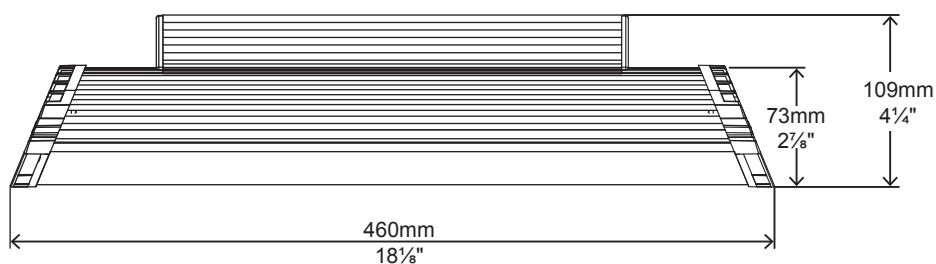
TBH - TUBE MOUNTING SYSTEM



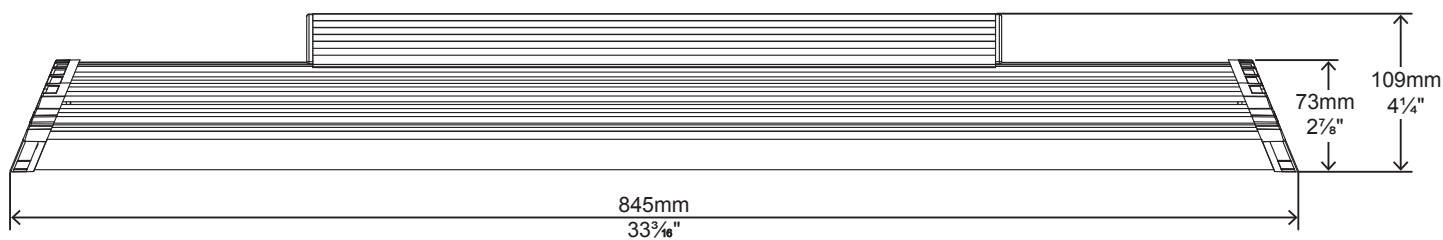
SMH - SURFACE MOUNTING SYSTEM

External Dimensions

SML500

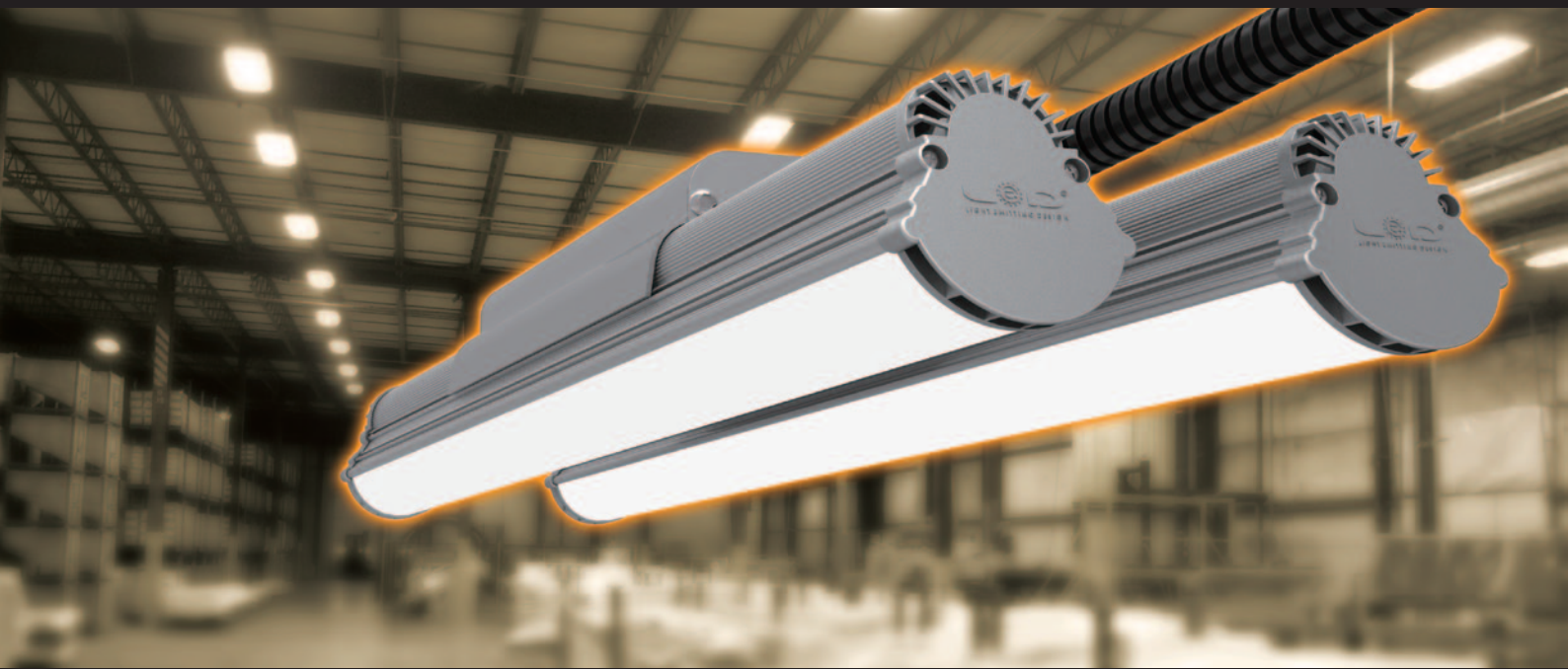


SML1000 & SML1500



SML3000

LED LINEAR INDUSTRIAL LIGHTING



ULTRA BRIGHT

HIGH TECH

DURABLE

SML 3000 Series

LED Linear Industrial Lighting



Product Information

The **SML3000** is a light weight, all-purpose **Low - Mid Bay** linear industrial lighting fixture with versatile mounting options. It is designed to replace fluorescent fixtures of much higher wattages for multiple applications. This ultra-energy efficient high output luminaire consumes only **75Watts** and provides glare free, 170° comfortable uniform lighting in most working environments.

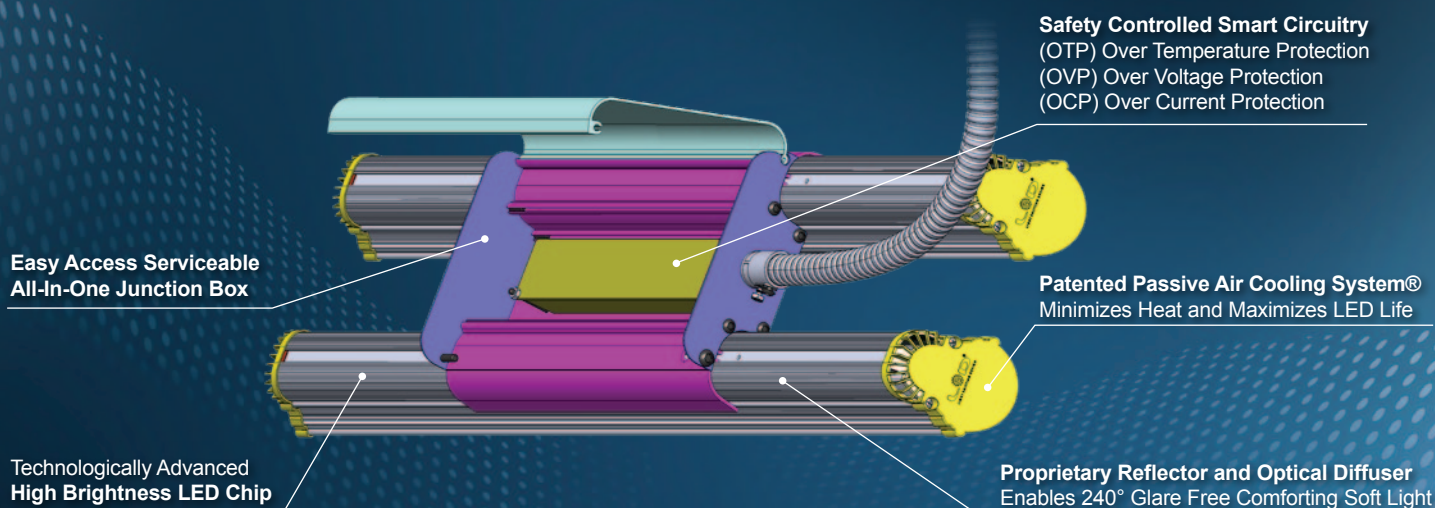
The patented **Passive Air Cooling System** enables low LED Junction Temperatures (T_j) for maintenance free long life.

Patent # 20130242548 A1

Other US and international patents pending

SML 3000 Series

LED Linear Industrial Lighting



Advantages of SML3000

- LED linear industrial lighting with **short ROI period**
- Available in 75 and 100 Watt configuration
- **Light weight** easy to install versatile design with various mounting options
- **Smart Circuitry System** gives greater protection when used in unstable electrical grids
- **Glare-Free, 120°** comfortable uniform lighting for all working environments
- **Patented Passive Air Cooling System** enables low LED junction temperatures (T_j) for maintenance free long life
- Easy Access Serviceable all-in-one junction box / LED driver
- **Cost effective Solution** as a true LED replacement with a **5-Year Limited Warranty**

Application

- Industrial Lighting
- Warehouses
- Utility Lighting



SML 3000 Series

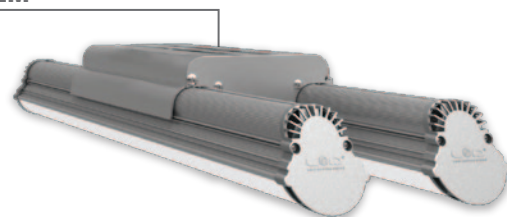
LED Linear Industrial Lighting

Mounting Options

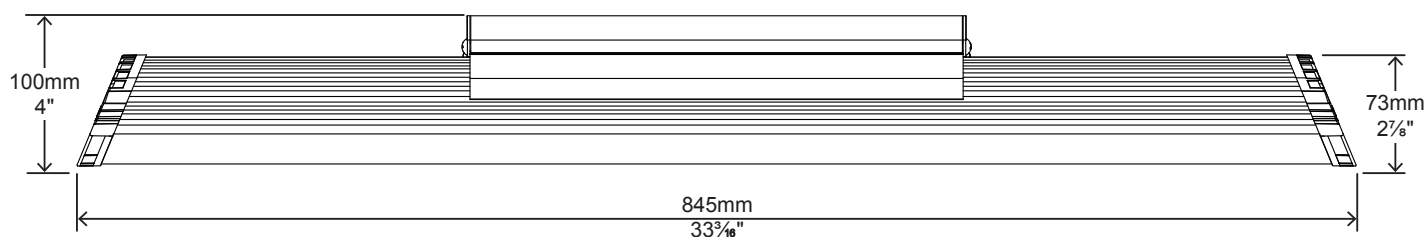
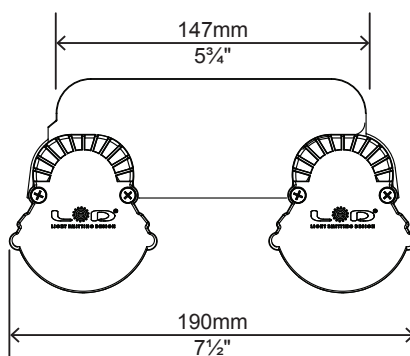


**GH4 - CHAIN CHANDELIER
MOUNTING SYSTEM**

SMH - SURFACE MOUNTING SYSTEM



External Dimensions



IL3525

VERSATILE LED LUMINAIRE



HIGH TECH



IL3525 Series

LED Industrial Lighting



Product Information

The **IL3525** Series is the next generation of technologically advanced LED Industrial Lighting for low-bay applications. Its compact design incorporates the industry's highest power density and efficacy and is available in numerous choices of optics for a wide range of light distribution patterns. The **IL3525** Series is constructed from high grade aluminum alloys and has an **IP68** rating suitable in most environments for both indoor and outdoor applications.

Its Patented **Thermal Management System** ensures long LED life with extended lumen maintenance and virtually zero fixture maintenance. Without any secondary optics the **IL3525** Series provides ultra-bright industry leading high efficacy light output, resulting in cost effective solutions with a short **ROI** period. Available with numerous versatile mounting systems including its patented Snap & Slide mounting system enabling, a simple, safe and cost effective installation.

Patent No. 8,757,842 B2 / 8,272,765 B2 / 9,383,084 / 6,830,364
Other US and international patents pending

Application

- Food Processing Plants
- Tunnels
- Billboards
- Parking Structures
- Warehouses
- Canopy Lighting



IL 3525 Series

LED Industrial Lighting



Why **LED**[®]

- Technologically Advanced, low profile all-purpose LED Industrial Light
- Flexible Design with versatile mounting options for all applications
- Superior craftsmanship using high grade raw materials
- Cost effective solution with a Short ROI Period
- Small footprint design available in 35 / 55 / 75 / 100 watt configuration
- Available in different optics for various applications

Advantages of IL3525

- **Proprietary Reflector And Optics** enabling glare-free uniform lighting for all working environments.
Eliminating the need for costly and fragile plastic lenses
- **Advanced Thermal Technology** enables low LED junction temperatures (T_j) for maintenance free long life
- **Dura-Guard** double layer epoxy coating with industry leading 10 year protection on weather and corrosion
- Integrated high efficiency LED driver with smart circuitry combined with surge and transient voltage protection
- A true industrial grade luminaire that is **IP68** (water, dust & vapor-proof) rated with an exceptional **10-Year Limited Warranty**
- Optional programmable **RF Wireless Smart Control System with PIR motion & daylight sensor** enabling greater savings and flexibility
- Designed and Engineered in the **USA**



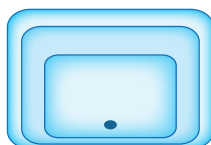
IL 3525 Series

LED Industrial Lighting

Optic Options

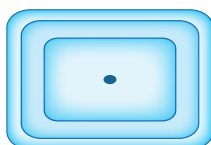
02 - Type II / wall mount & perimeter lighting applications

M - Medium



S5 - Type V Rectangular / symmetric for canopies, tunnels, parking garages and wide flood applications

M - Medium



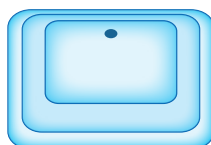
F5 - Type V Opaque - Frosted / symmetric for ultra uniform & low glare applications

L - Long



B2 - Billboard Lighting / asymmetric for billboards and signage applications

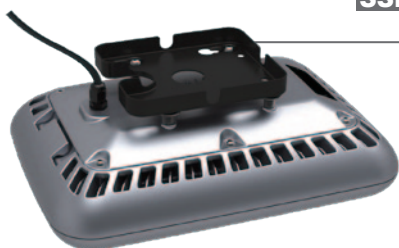
M - Medium



IL 3525 Series

LED Industrial Lighting

Mounting Options



SSL - SPRING LOADED SNAP & SLIDE
SURFACE MOUNTING SYSTEM



SSL - SPRING LOADED SNAP & SLIDE
MOUNTING SYSTEM



W90 - WALL MOUNTING SYSTEM



CH4 - CHAIN CHANDELIER
MOUNTING SYSTEM



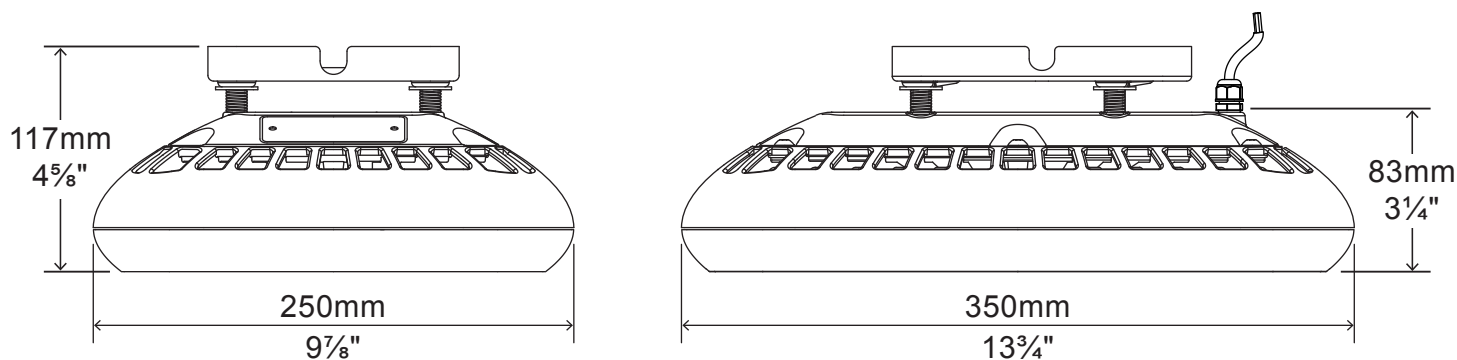
SWL - VARIABLE ANGLE SWIVEL
MOUNTING SYSTEM



IL 3525 Series

LED Industrial Lighting

External Dimensions



Packaging Information

Case Quantity	Dimensions (LxWxH)	Weight
1	38.5 x 28.5 x 16.5 cm 15 1/8 x 11 1/4 x 6 1/2 in	5.7 kg 12.5 lbs

IL450

INDUSTRIAL GRADE LED LUMINAIRE



HIGH TECH DURABLE



IL450 Series

LED Industrial Lighting



Product Information

The **IL450** Series is the first true commercial grade LED Industrial Light, designed to replace existing high-pressure mercury, high pressure sodium, and metal halide lamp fixtures of much higher wattage classes. It is available in numerous choices of optics for a wide range of applications. The **IL450** Series is constructed from high grade aluminum alloys and has an **IP68** rating suitable for indoor and outdoor applications.

Its patented **Air Bi-Pass Convection System** enables excellent thermal management to ensure long LED life with extended lumen maintenance and virtually zero fixture maintenance. Without any secondary optics, the **IL450** Series provides ultra-bright industry leading high efficacy light output, resulting in cost effective solutions with a short **ROI** period. Available with numerous versatile mounting systems including its patented Snap & Turn mounting system enabling, a simple, safe and cost effective installation.

Patent No. 8,757,842 B2 / 8,272,765 B2 / 9,383,084 / 6,830,364
Other US and international patents pending

Application - High / Mid / Low Bay

- Manufacturing Plants
- Warehouses
- Parking Structures
- Canopy Lighting
- Sports Arenas
- Airplane Hangers
- High Mast



IL 450 Series

LED Industrial Lighting



Why **LED**[®]

- Technologically Advanced, low profile all-purpose LED Industrial Lighting
- Flexible Design with versatile mounting options for all applications
- Superior craftsmanship using high grade raw materials
- Cost effective solution with a Short ROI Period
- Available in 75 / 100 / 120 / 150 / 185 / 220 watt configuration
- Available in different optics for various applications



Advantages of IL450

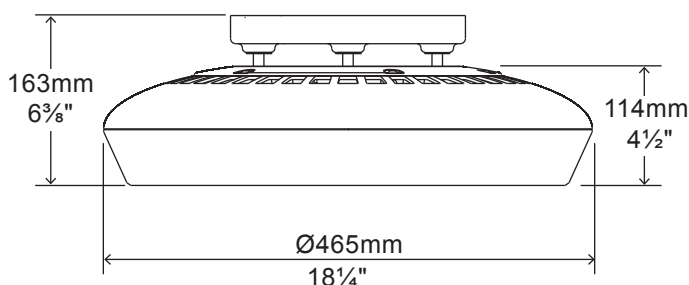
- **Proprietary Reflector And Optics** enabling glare-free uniform lighting for all working environments. Eliminating the need for costly and fragile plastic lenses
- **Advanced Thermal Technology** enables low LED junction temperatures (T_j) for maintenance free long life
- **Dura-Guard** double layer epoxy coating with industry leading 10 year protection on weather and corrosion
- L70 Rating @ Ta 25°C **Over 160,000 hour rated life**
- Optional programmable **RF Wireless Smart Control System with PIR motion & daylight sensor** enabling greater savings and flexibility
- A true industrial grade luminaire that is **IP68** (water, dust & vapor-proof) rated with an exceptional **10-Year Limited Warranty**
- Designed and Engineered in the **USA**



IL 450 Series

LED Industrial Lighting

External Dimensions



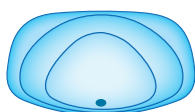
Packaging Information

Quantity	Dimensions (LxWxH)	Weight
1	50 x 50 x 22.5 cm 19 ⁵ / ₈ x 19 ⁵ / ₈ x 8 ⁷ / ₈ in	12.5 kg 27.5 lbs

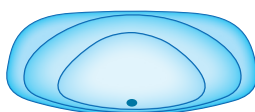
Optics Options

02 - Type II / wall mount & perimeter lighting applications

S - Short



M - Medium



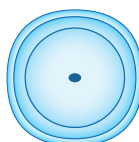
L - Long

R5 - Type V Round / symmetric for low-mid-high bay, parking garages and flood applications

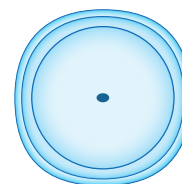
S - Short



M - Medium

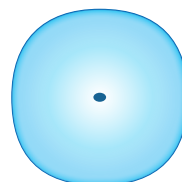


L - Long



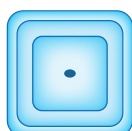
F5 - Type V Opaque - Frosted / symmetric for ultra uniform & low glare applications

L - Long



S5 - Type V Square / symmetric for high-bay, isle, high-mast and flood applications

S - Short



M - Medium

L - Long



IL 450 Series

LED Industrial Lighting

Mounting Options



SST - SPRING LOADED SNAP & TURN
SURFACE MOUNTING SYSTEM



SST - SPRING LOADED SNAP & TURN
MOUNTING SYSTEM



W90 - WALL MOUNTING SYSTEM



SWL - VARIABLE ANGLE SWIVEL
MOUNTING SYSTEM

CH4 - CHAIN CHANDELIER
MOUNTING SYSTEM



RWL3525 Series

LED ROADWAY LIGHTING



EFFICIENT

HIGH TECH

DURABLE

RWL 3525 Series

LED Roadway Lighting



Product Information

The **RWL3525** is the next generation of technologically advanced street lights. Its low profile compact design incorporates the industry's highest power density and is available in numerous choices of optics for a wide range of light distribution patterns. The **RWL3525** is an **IP68** rated fixture constructed from high grade raw materials.

It has a Patented **Air Bi-Pass Convection System** which enables excellent thermal management to ensure long LED life, with extended lumen maintenance and virtually zero fixture maintenance. The **RWL3525** is an ultra-bright industry leading high efficacy fixture providing a cost effective solution with a short **ROI** period. It is designed to withstand harsh outdoor weather conditions with an unprecedented 10-Year Limited Warranty.

Patent No. 8,757,842 B2 / 8,272,765 B2 / 9,383,084 / 6,830,364

Other US and international patents pending

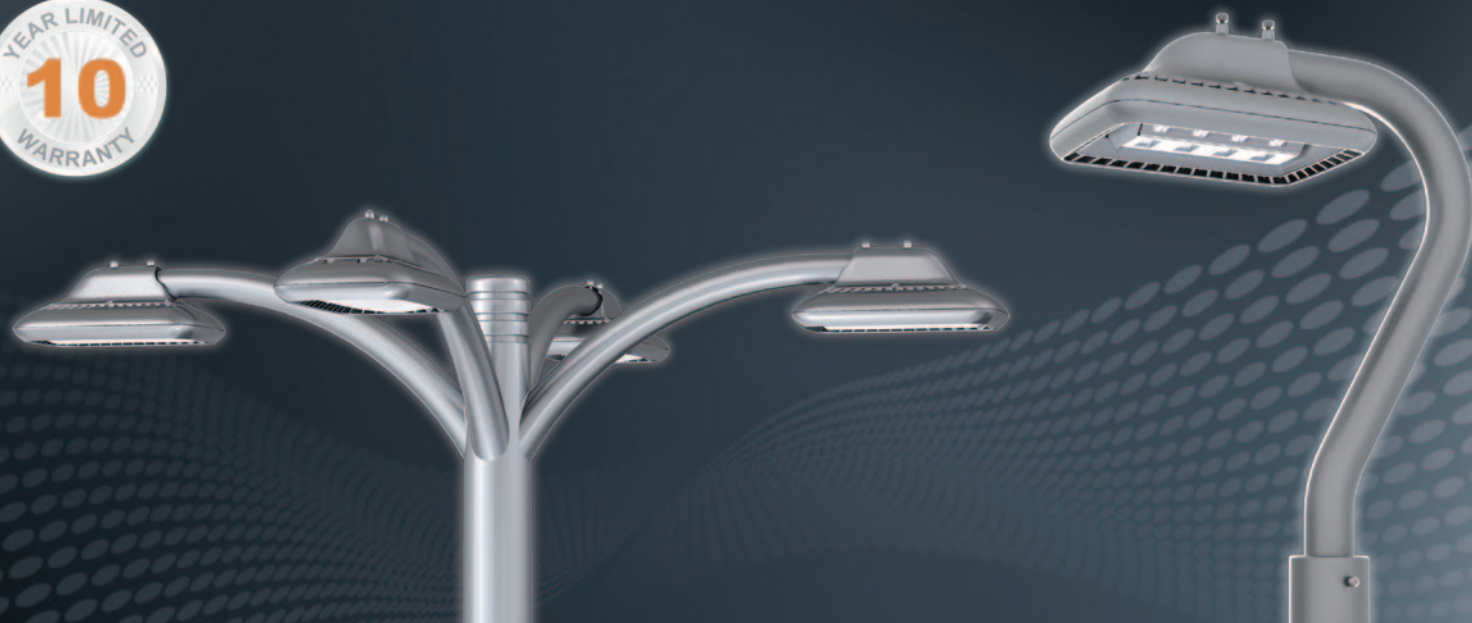
Application

- Type II Street Lighting
- Type V Rectangular
- Parking Lots
- Perimeter Lighting
- Parks and Walkway Lighting



RWL 3525 Series

LED Roadway Lighting



Why **LED**[®]

- Technologically Advanced, low profile all-purpose LED street light
- Superior craftsmanship using high grade raw materials
- Cost effective solution with a Short ROI Period
- Small footprint design available in 35 / 55 / 75 / 100 watt configuration
- Available in different optics for various applications

Advantages of RWL3525

- **Energy Efficient** / Ultra bright industry leading **High Efficacy (lm/W)** luminaire
- **Wide Angle Lighting** enabling longer pole spacing
- **Dark Sky Compliant** / Full Cut-Off Optics
- **Proprietary Reflector Controlled Optics** enabling glare-free uniform lighting
Eliminating the need for costly and fragile plastic lenses
- **Advanced Integrated Thermal Technology** enables low LED junction temperatures (T_j) for maintenance free long life
- **Dura-Guard** double layer epoxy coating with industry leading 10 year protection on weather and corrosion
- **IP68** (water, dust & vapor-proof) rated luminaire with an exceptional **10-Year Limited Warranty**
- Optional programmable **RF Wireless Smart Control System with daylight sensor** enabling greater savings and flexibility
- Designed and Engineered in the **USA** and manufactured in Taiwan



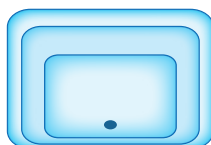
RWL 3525 Series

LED Roadway Lighting

Optic Options

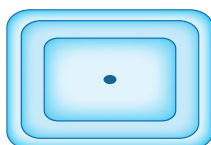
02 - Type II Roadway Lighting / asymmetric for street and pedestrian walkway applications

M - Medium



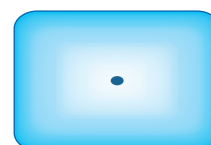
S5 - Type V Rectangular / symmetric for street, parking lot and pedestrian walkway applications

M - Medium



F5 - Type V Opaque - Frosted / symmetric for ultra uniform & low glare applications

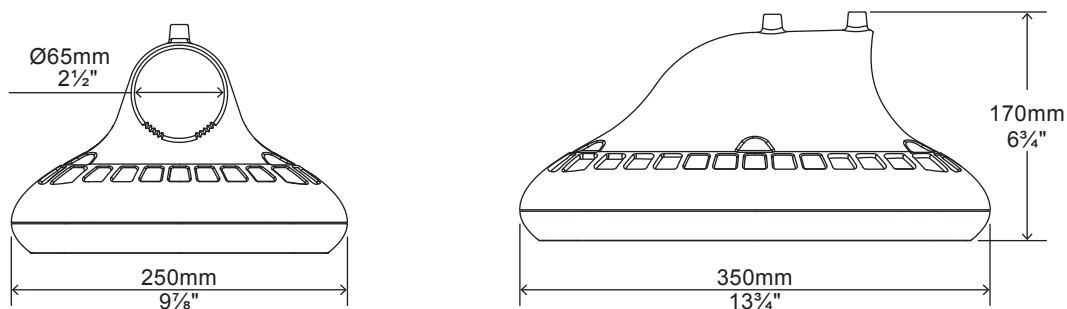
L - Long



RWL 3525 Series

LED Roadway Lighting

External Dimensions



Packaging Information

Case Quantity	Dimensions (LxWxH)	Weight
1	38.5 x 28.5 x 23 cm 15 1/8 x 11 1/4 x 9 in	6.2 kg 13.6 lbs

RWLII

LED ROADWAY LIGHTING



ULTRA BRIGHT

HIGH TECH

DURABLE

RWL II Series

LED Roadway Lighting



Product Information

The **RWLII** is a technologically advanced low-profile LED street light, designed to replace traditional lamp fixtures of much higher wattage classes. It is available in numerous choices of optics for a wide range of applications. The **RWLII** is an **IP68** rated fixture constructed from high grade raw materials.

It has a Patented **Air Bi-Pass Convection System** which enables excellent thermal management to ensure long LED life, with extended lumen maintenance and virtually zero fixture maintenance. The **RWLII** is an ultra-bright industry leading high efficacy fixture providing a cost effective solution with a short **ROI** period. It is designed to withstand harsh outdoor weather conditions with an unprecedented 10-Year Limited Warranty.

Patent No. 8,757,842 B2 / 8,272,765 B2 / 9,383,084 / 6,830,364
Other US and international patents pending

Application

- Type II Street Lighting
- Type V Round
- Type V Square
- Perimeter Lighting
- Parks and Walkway Lighting
- Parking Lots



RWL II Series

LED Roadway Lighting



Why **LED**[®]

- Technologically Advanced, low profile all-purpose LED roadway lighting
- Superior craftsmanship using high grade raw materials
- Cost effective solution with a Short ROI Period
- Available in 75 / 100 / 120 / 150 / 185 / 220 watt configuration
- Available in different optics for various applications



Advantages of RWLII

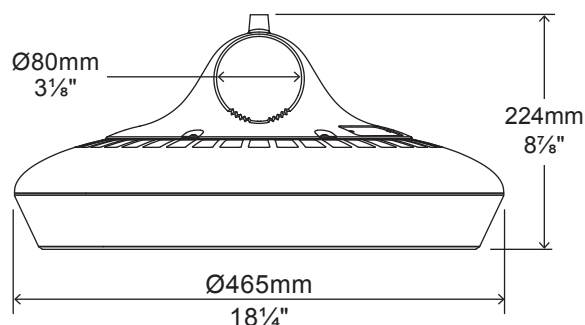
- Ultra bright industry leading **High Efficacy (lm/W)**
- **Proprietary Optical System** enabling wide angle glare-free lighting for most street lighting applications. Eliminating the need for costly and fragile plastic lenses
- Dark Sky Compliant / Full Cut-Off Optics
- L70 Rating @ Ta 25°C **Over 160,000 hour rated life**
- **Advanced Thermal Technology** enables low LED junction temperatures (Tj) for maintenance free long life
- **Dura-Guard** double layer epoxy coating with industry leading 10 year protection on weather and corrosion
- Optional programmable **RF Wireless Smart Control System with daylight sensor** enabling greater savings and flexibility
- A true industrial grade street light designed to withstand harsh outdoor weather conditions with **IP68** (water, dust & vapor-proof) rating and an exceptional **10-Year Limited Warranty**
- Designed and Engineered in the **USA**



RWL II Series

LED Roadway Lighting

External Dimensions



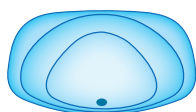
Packaging Information

Quantity	Dimensions (LxWxH)	Weight
1	50 x 50 x 31 cm 19 5/8 x 19 5/8 x 12 1/4 in	13 kg 28.6 lbs

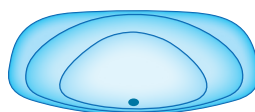
Optics Options

02 - Type II / asymmetric for street and pedestrian walkway applications

S - Short



M - Medium



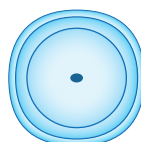
L - Long

R5 - Type V Round / symmetric for street, parking lot and pedestrian walkway applications

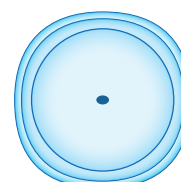
S - Short



M - Medium

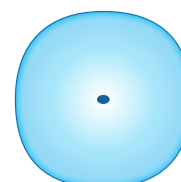


L - Long



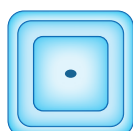
F5 - Type V Opaque - Frosted / symmetric for ultra uniform & low glare applications

L - Long



S5 - Type V Square / symmetric for street, parking lot and pedestrian walkway applications

S - Short



M - Medium

L - Long

LX Series

EXTREME APPLICATION LED LIGHTING



LX Series

Extreme Application LED Lighting



Product Information

The **LX** series is a **high efficacy, durable** LED linear light designed to withstand the harsh conditions of today's demanding environments. This next generation **IP67 LED linear light** is ideal for applications that require high pressure wash downs such as **livestock farming, food processing plants and car parks**.

The **LX** Series is available in 18 or 38 Watts and provides ultra-wide glare free, 160° comfortable uniform lighting for all working environments. It has excellent thermal management to ensure **long LED life** with extended lumen maintenance and **virtually zero fixture maintenance** resulting in cost effective solutions with a **short ROI period**. It comes with versatile mounting options with an **accessible junction box** for easy wiring and installation.

US PATENT # 8,272,765 / 6,830,364 / US 2014 / 0301076A1
other US and international patents pending.



LX Series

Extreme Application LED Lighting



Advantages of LX Series

- All-purpose **IP67 (water, dust & vapor-proof)** LED linear luminaire
- Available in 18 and 38 Watt configuration
- Glare-Free, **160° wide angle optics** reducing required fixtures by up to 25%
- Dimmable smart circuitry with **motion sensing** for maximum flexibility
- Lightweight low profile design with an **accessible junction box** for easy wiring and installation
- **High efficacy** fixture with durable construction and versatile mounting options
- Cost effective solution as a true LED replacement with a **short ROI Period**
- Ideal for environmentally-demanding locations with a **7 Year Limited Warranty**
- **Designed and engineered in USA**

Application

- | | |
|-------------------------------|---------------------|
| • Food processing plants | • Utility Lighting |
| • Chicken / livestock farming | • Mining |
| • Clean Room | • Convenient Stores |
| • Parking Structures | |



LX Series

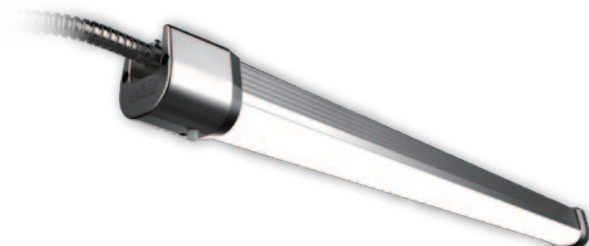
Extreme Application LED Lighting

Mounting Options

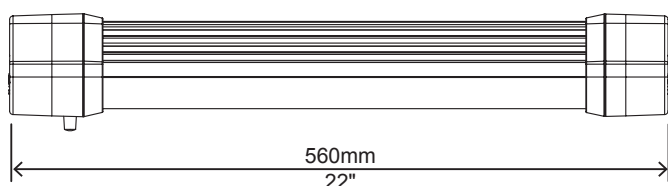
**CH2 - CHAIN CHANDELIER
MOUNTING SYSTEM**



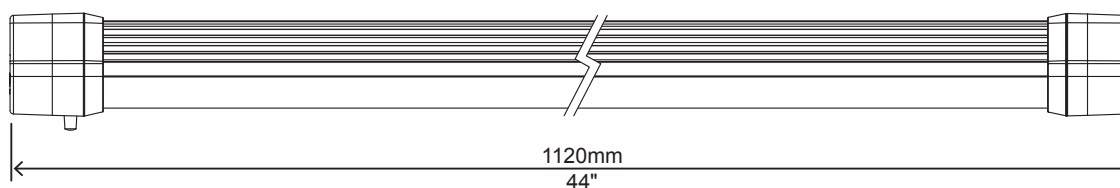
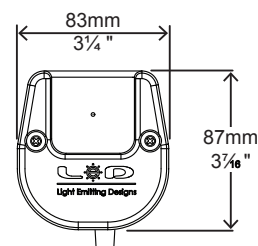
SMH - SURFACE MOUNTING SYSTEM



External Dimensions



LX500



LX1000

Packaging Information

Model	Case Quantity	Dimensions (LxWxH)	Weight
LX500	12	61 x 54 x 41 cm 24 x 21 1/4 x 16 1/8 in	16.60 kg 36.60 lbs
LX1000	12	117 x 54 x 41 cm 46 x 21 1/4 x 16 1/8 in	30.25 kg 66.63 lbs



ILX3525

EXTREME APPLICATION INDUSTRIAL LIGHTING



HIGH TECH DURABLE



ILX 3525 Series

Extreme Application LED Lighting



Product Information

The **ILX3525** Series is designed specifically to withstand the harsh conditions of extreme environments such as **hazardous area and high heat applications**. Its compact design incorporates the industry's highest power density and efficacy making it the first true **IP68 marine rated LED industrial** light to replace existing high-pressure mercury / sodium, and metal halide lamp fixtures for **offshore Oil & Gas platforms**. It is available in numerous choices of optics with various mounting options.

Its patented Air Bi-Pass Convection System enables excellent thermal management to ensure **long LED life** with extended lumen maintenance and **virtually zero fixture maintenance**. Without any secondary optics, the **ILX3525** Series provides ultra-bright industry leading high efficacy light output, resulting in cost effective solutions with a **short ROI period**.

Patent No. 8,757,842 B2 / 8,272,765 B2 / 9,383,084 / 6,830,364
Other US and international patents pending

Application

- Oil & Gas
- Mining
- Gas Canopy Lighting
- Food processing plants
- Power Generation
- Foundries
- Paper and Pulp Mills
- Desalination Plants
- Chemical Plants
- Water & Sewage



ILX 3525 Series

Extreme Application LED Lighting



Why **LED**[®]

- Technologically Advanced, low profile industrial light
- Flexible Design with versatile mounting options for all applications
- Superior craftsmanship using high grade raw materials
- Cost effective solution with a Short ROI Period
- Available in 35 / 55 / 75 / 100 watt configuration

Advantages of ILX3525

- Ultra bright industry leading **High Efficacy (lm/W)** LED industrial light
- **IP68** and Petro-Chemical Industry rated luminaire with an exceptional **10-Year Limited Warranty**
- **Hazardous Area and High Heat Rating** with an operational temperature of - 40 ~ + 60°C
- NEMA 4X industrial grade Dura-Guard powder coating with **10 years protection on weather and corrosion**
- **Marine Rated Stainless Steel** components and trimmings
- Proprietary wide angle optics enabling glare-free uniform lighting for all applications. Eliminating the need for costly and fragile plastic lenses
- Advanced Thermal Technology enables low LED junction temperatures (Tj) for **maintenance free long life**
- High efficiency LED driver with integrated smart circuitry and surge & transient voltage protection
- Optional programmable **RF Wireless Smart Control System with PIR motion & daylight sensor** enabling greater savings and flexibility
- **L70 Rating @ Ta 25°C over 150,000 hour rated life**
- **Designed and engineered in USA**



ILX 3525 Series

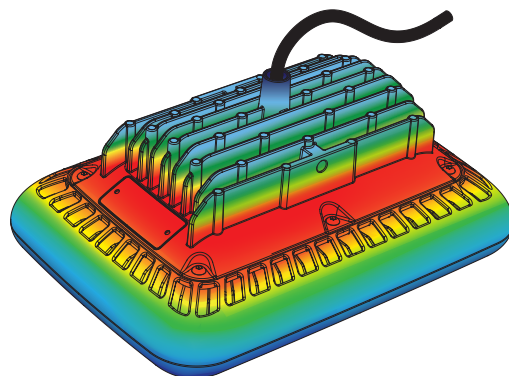
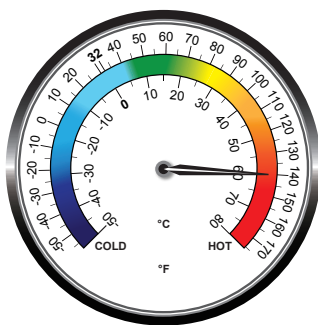
Extreme Application LED Lighting

Thermal Management

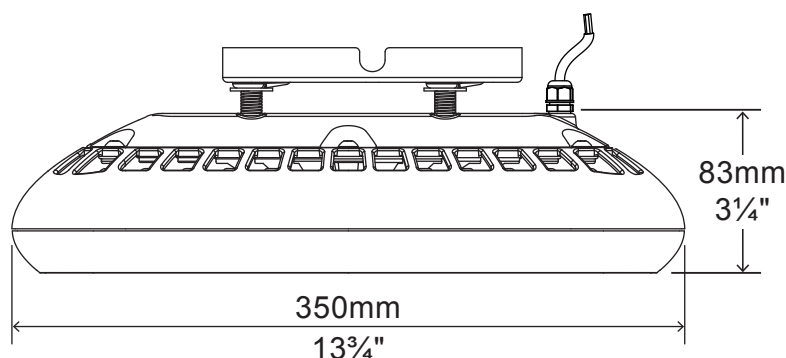
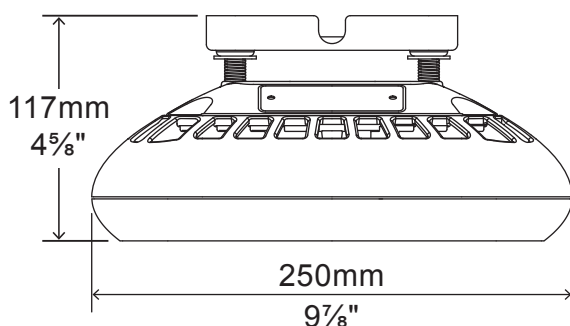
The new **ILX series** LED drivers are designed specifically for extreme application lighting that requires high ambient operating temperatures. It utilizes the latest topology in electronic circuitry design with state of the art military and industrial grade components. The LED driver is encapsulated with thermal potting into a dedicated

heat sink for better thermal performance and greater flexibility for service and maintenance.

The **ILX** LED driver module delivers an outstanding 95% efficiency and is designed to last **over 80,000 hours** in harsh environments with high operating ambient temperatures.



External Dimensions



Packaging Information

Case Quantity	Dimensions (LxWxH)	Weight
1	38.5 x 28.5 x 16.5 cm 15 1/8 x 11 1/4 x 6 1/2 in	5.7 kg 12.5 lbs



ILX 3525 Series

Extreme Application LED Lighting

Optic Options

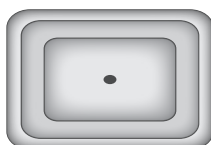
02 - Type II / wall mount & perimeter lighting applications

M - Medium



S5 - Type V Rectangular / symmetric for canopies, tunnels, parking garages and wide flood applications

M - Medium



F5 - Type V Opaque - Frosted / symmetric for ultra uniform & low glare applications

L - Long



ILX 3525 Series

Extreme Application LED Lighting

Mounting Options



**SSL - SPRING LOADED SNAP & SLIDE
SURFACE MOUNTING SYSTEM**



W90 - WALL MOUNTING SYSTEM

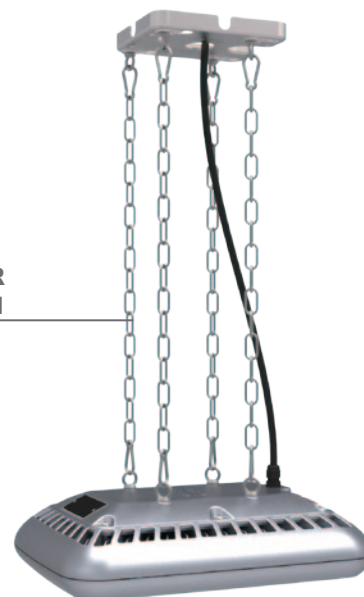


**SWL - VARIABLE ANGLE SWIVEL
MOUNTING SYSTEM**

**SSL - SPRING LOADED SNAP & SLIDE
MOUNTING SYSTEM**



**CH4 - CHAIN CHANDELIER
MOUNTING SYSTEM**



ILX450

EXTREME APPLICATION INDUSTRIAL LIGHTING



HIGH TECH

DURABLE



ILX 450 Series

Extreme Application LED Lighting



Product Information

The **ILX450** Series is designed specifically to withstand the harsh conditions of extreme environments such as **hazardous area and high heat applications**. It is the first true **IP68 marine rated LED industrial light** to replace existing high-pressure mercury / sodium, and metal halide lamp fixtures for **offshore Oil & Gas platforms**. It is available in numerous choices of optics with various mounting options. The **ILX450** Series incorporates an industrial grade LED driver designed for ultra-long lifespan.

Its patented Air Bi-Pass Convection System enables excellent thermal management to ensure **long LED life** with extended lumen maintenance and **virtually zero fixture maintenance**. Without any secondary optics, the **ILX450** Series provides ultra-bright industry leading high efficacy light output, resulting in cost effective solutions with a **short ROI period**.

Patent No. 8,757,842 B2 / 8,272,765 B2 / 9,383,084 / 6,830,364

Other US and international patents pending

Application - High / Mid / Low Bay

- Oil & Gas
- Mining
- Food processing
- Foundries
- Power Generation
- Paper and Pulp Mills
- Grain Mills
- Desalination Plants
- Chemical Plants
- Water & Sewage



ILX 450 Series

Extreme Application LED Lighting



Why **LED**[®]

- Technologically Advanced, LED industrial light
- Flexible Design with versatile mounting options
- Superior craftsmanship using high grade raw materials
- Cost effective solution with a Short ROI Period
- Available in 75 / 100 / 120 / 150 / 185 / 220 watt configuration



Advantages of ILX450

- Ultra bright industry leading **High Efficacy (lm/W)** LED industrial light
- **Hazardous Area and High Heat Rating** with an operational temperature of - 50 ~ + 65°C
- NEMA 4X industrial grade Dura-Guard powder coating with **10 years protection on weather and corrosion**
- **Marine Rated Stainless Steel** components and trimmings
- Proprietary Reflector and optics enabling glare-free uniform lighting for all applications. Eliminating the need for costly and fragile plastic lenses
- Advanced Thermal Technology enables low LED junction temperatures (Tj) for **maintenance free long life**
- High efficiency LED driver with integrated smart circuitry and **surge & transient voltage protection**
- Optional programmable **RF Wireless Smart Control System** with PIR motion & daylight sensor enabling greater savings and flexibility
- **L70 Rating @ Ta 25°C over 160,000 hour rated life**
- IP68 and **Petro-Chemical Industry rated** luminaire with an exceptional **10-Year Limited Warranty**
- **Designed and engineered in USA**

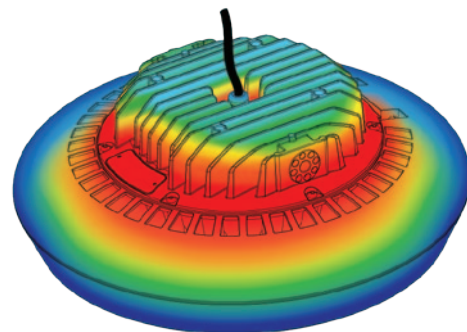
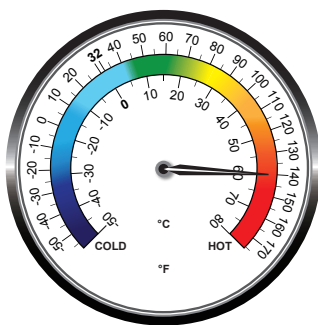


ILX 450 Series

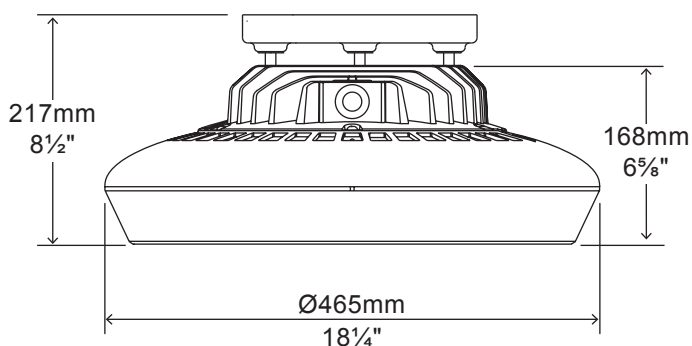
Extreme Application LED Lighting

Thermal Management

The new **ILX series** LED drivers are designed specifically for extreme application lighting that requires high ambient operating temperatures. It utilizes the latest topology in electronic circuitry design with state of the art military and industrial grade components. The LED driver is encapsulated with thermal potting into a dedicated heat sink for better thermal performance and greater flexibility for service and maintenance. The **ILX** LED driver module delivers an outstanding 95% efficiency and is designed to last over 80,000 hours in harsh environments with high operating ambient temperatures.



External Dimensions



Packaging Information

Quantity	Dimensions (LxWxH)	Weight
1	50 x 50 x 28 cm 19 ⁵ / ₈ x 19 ⁵ / ₈ x 11 in	16.5 kg 36.3 lbs



ILX 450 Series

Extreme Application LED Lighting

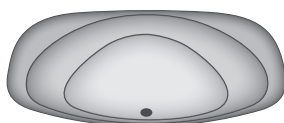
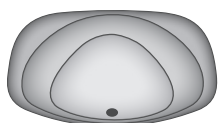
Optics Options

02 - Type II / wall mount & perimeter lighting applications

S - Short

M - Medium

L - Long

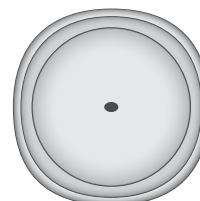
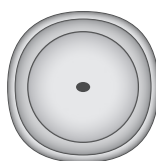
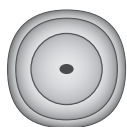


R5 - Type V Round / symmetric for low-mid-high bay, parking garages and flood applications

S - Short

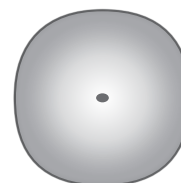
M - Medium

L - Long



F5 - Type V Opaque - Frosted / symmetric for ultra uniform & low glare applications

L - Long



S5 - Type V Square / symmetric for high-bay, isle, high-mast and flood applications

S - Short

M - Medium

L - Long



ILX 450 Series

Extreme Application LED Lighting

Mounting Options



SST - SPRING LOADED SNAP & TURN
SURFACE MOUNTING SYSTEM

SST - SPRING LOADED SNAP & TURN
MOUNTING SYSTEM



CH4 - CHAIN CHANDELIER
MOUNTING SYSTEM

W90 - WALL MOUNTING SYSTEM



TMS - TANDEM MOUNTING SYSTEM



SWL - VARIABLE ANGLE SWIVEL
MOUNTING SYSTEM



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Email: india@lightemittingdesigns.com