



# MORE LIGHT FOR ALL

Lighting Components

[www.everlight.com](http://www.everlight.com)

**EVERLIGHT**





# EVERLIGHT

## THE SOURCE OF LIGHT

EVERLIGHT illuminates the way for many of the world's brightest companies. Acclaimed as a premiere global solution provider in the opto-semiconductor industry and held in high regard as a reliable partner for many of the world's leading electronics companies, EVERLIGHT incorporates versatility and creativity to provide customer driven value.

Since its foundation in 1983, EVERLIGHT has been an innovator in the

production of LED for home appliances. Today EVERLIGHT brings decades of knowledge to a wide range of applications in the LED market including automotive, backlighting, solid state lighting, infrared products, mobile devices and signage.

From intelligent infrared sensors in mobile devices and backlit dashboards in automobiles to high-precision controls for industrial applications, EVERLIGHT improves the way we live.

In addition, with applications for highly efficient indoor and outdoor lighting in offices, homes, landmarks and cities, EVERLIGHT's technology lights up the very spaces and places we enjoy everyday. In other words: EVERLIGHT makes the world brighter, more colorful and enhances quality of life.

For more information, please visit our website : [www.everlight.com](http://www.everlight.com)

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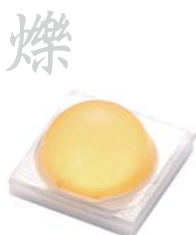


## High Power LED Series

### HIGH POWER OF INNOVATION

The Shwo(D) series is a high-power device featuring high brightness, compact size and various color selections.

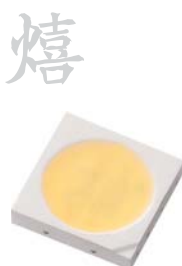
#### Shwo(D) Series (3535)



Dimension	3.5 x 3.5 x 2.35 mm
Light Color	Warm white / Neutral white / Cool white
Power Consumption	1W, 3W
Current	350mA
Color Temperature	2700K / 3000K / 3500K / 4000K / 4500K / 5000K / 5700K / 6500K
Efficiency	85 lm/W(warm white), 112 lm/W(cool white)
Lumens Output	95 lm(warm white), 125 lm(cool white)
CRI	>80(warm white), >70(cool white)
Input Voltage	Typ 3.2V
Application	General Lighting / Commercial Lighting Outdoor Lighting / Residential Lighting

The XI3535 package is an extremely cost effective lighting grade high power LED design. It has a high reliability housing which brings high heat resistance and superior quality. It is a compact package with high lumens and efficiency and is suitable for many lighting applications.

#### XI3535 Series (3535)



Dimension	3.5 x 3.5 x 2.35 mm
Light Color	Warm white / Neutral white / Cool white
Power Consumption	1W
Current	350mA
Color Temperature	2700K / 3000K / 4000K / 5000K / 5700K / 6500K
Efficiency	93 lm/W(warm white), 99 lm/W(cool white)
Lumens Output	104 lm(warm white), 111 lm(cool white)
CRI	>80(warm white), >80(cool white)
Input Voltage	Typ 3.2V
Application	General Lighting / Linear Lighting Retrofits / Residential Lighting

The XI3030 is a new based package with a compact size and high lumen design concept. It is one of Everlight's new 1W packages that can be clustered in small arrays for high lumen density applications, paired with individual optics for directional lamps, or spread out evenly on a board for diffused applications. It is a very adaptable LED for multiple applications.

#### XI3030 Series (3030)



Dimension	3.0 x 3.0 x 0.6 mm
Light Color	Warm white / Neutral white / Cool white
Power Consumption	1W
Current	150mA
Color Temperature	2700K / 3000K / 4000K / 5000K / 5700K / 6500K
Efficiency	93 lm/W(warm white), 111 lm/W(cool white)
Lumens Output	100 lm(warm white), 105 lm(cool white)
CRI	>80(warm white), >80(cool white)
Input Voltage	Typ 6.3V
Application	General Lighting / Linear Lighting Retrofits / Residential Lighting

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## COB LED Series

LESS IS MORE IN EVERY RESPECT

Everlight has created a brand new series of COB LEDs. With COBs, applications like spot lights, down lights, and directional lamps have a powerful single light source for effective illumination. Everlight's JU COB series consists of 4 types of COBs with powers ranging from 3 watts to 25 watts, all with more than 95lm/W at 3000K CCT, >80RA, and 25°C substrate temperature. The complete JU COB series is designed with a ceramic substrate base allowing thermal resistances of below 2°C/W, with the largest wattage COB measuring around 0.8°C/W. This allows for efficient thermal dissipation. Each COB has its unique features with carefully calculated chip configurations for optimal lumens per dollar and optically compact light emission surfaces for effective pairing with secondary optics. For applications that require the benefits of COBs, Everlight's JU series is the first place to look and is the best in class for cost versus performance.

### JU- 3W to 7W Series

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Dimension	12 x 15 x 1.6 mm
Light Color	Warm white / Neutral white / Cool white
Power Consumption	3-7W
Current	400mA
Color Temperature	2700K / 3000K / 4000K / 5000K / 5700K / 6500K
Efficiency	95 lm/W(warm white), 114 lm/W(cool white)
Lumens Output	350 lm(warm white), 420 lm(cool white)
CRI	>80(warm white), >80(cool white)
Input Voltage	Typ 9.2V
Application	General Lighting / Commercial Lighting Outdoor Lighting / Residential Lighting

### JU- 7W to 10W Series

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Dimension	12 x 15 x 1.6 mm
Light Color	Warm white / Neutral white / Cool white
Power Consumption	7-10W
Current	550mA
Color Temperature	2700K / 3000K / 4000K / 5000K / 5700K / 6500K
Efficiency	115 lm/W(warm white), 125 lm/W(cool white)
Lumens Output	800 lm(warm white), 870 lm(cool white)
CRI	>80(warm white) / >80(cool white)
Input Voltage	Typ 12V
Application	General Lighting / Commercial Lighting Outdoor Lighting / Residential Lighting

### JU- 10W to 15W Series

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Dimension	12 x 15 x 1.6 mm
Light Color	Warm white / Neutral white / Cool white
Power Consumption	10-15W
Current	550mA
Color Temperature	2700K / 3000K / 4000K / 5000K / 5700K / 6500K
Efficiency	115 lm/W(warm white), 125 lm/W(cool white)
Lumens Output	1150 lm(warm white), 1250 lm(cool white)
CRI	>80(warm white) / >80(cool white)
Input Voltage	Typ 18V
Application	General Lighting / Commercial Lighting Outdoor Lighting / Residential Lighting

### JU- 15W to 25W Series

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Dimension	20 x 24 x 1.6 mm
Light Color	Warm white / Neutral white / Cool white
Power Consumption	15-25W
Current	500mA
Color Temperature	2700K / 3000K / 4000K / 5000K / 5700K / 6500K
Efficiency	115 lm/W(warm white), 125 lm/W(cool white)
Lumens Output	1720 lm(warm white), 1870 lm(cool white)
CRI	>80(warm white) / >80(cool white)
Input Voltage	Typ 30V
Application	General Lighting / Commercial Lighting Outdoor Lighting / Residential Lighting



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## Low-Mid Power LED Series

### SMALL SOLUTIONS OF GREAT VALUE

The XI2323 is a super compact package and a lighting grade mid power LED. Even with a small size of 2.3x2.3mm, this LED can provide high lumen output. High reliability housing brings high heat resistance and high quality. Small size and high lumens makes this LED suitable for a wide range of applications.

#### XI2323 Series (2323)



Dimension	2.3 x 2.3 x 0.7 mm
Light Color	Warm white / Neutral white / Cool white
Power Consumption	0.2W
Current	65mA
Color Temperature	2700K / 3000K / 4000K / 5000K / 5700K / 6500K
Efficiency	101 lm/W(warm white), 111 lm/W(cool white)
Lumens Output	21 lm(warm white), 23 lm(cool white)
CRI	>80(warm white), >80(cool white)
Input Voltage	Typ 3.2V
Application	General Lighting / Linear Lighting Retrofits / Residential Lighting

The Everlight 62-217D Series provides an ultra thin, high lumen, and high quality of light solution for Everlight's mid power LEDs. With its highly competitive cost versus performance, this LED device is truly ideal for many lighting application.

#### 62-217D Series (5630D)



Dimension	5.6 x 3.0 x 0.65 mm
Light Color	Warm white / Neutral white / Cool white
Power Consumption	0.5W
Current	150mA
Color Temperature	2700K / 3000K / 4000K / 5000K / 5700K / 6500K
Efficiency	104 lm/W(warm white), 125 lm/W(cool white)
Lumens Output	50 lm(warm white), 60 lm(cool white)
CRI	>80(warm white), >80(cool white)
Input Voltage	Typ 3.2V
Application	General lighting / Linear Lighting Retrofits / Residential lighting

The Everlight 45-21S series is an upgrade from standard 3020 packages. This LED can be over driven while maintaining its compact size, high efficiency, and cost effectiveness. The superior product characteristics turn this white LED device into a real cost and energy saver and is a top solution for any general lighting application.

#### 45-21S Series (3020S)



Dimension	3.0 X 2.0 x 0.8 mm
Light Color	Warm white / Neutral white / Cool white
Power Consumption	0.2W / 0.1W
Current	60mA / 30mA
Color Temperature	2700K / 3000K / 4000K / 5000K / 5700K / 6500K
Efficiency	104 lm/W(warm white), 115 lm/W(cool white)
Lumens Output	20 lm(warm white), 22 lm(cool white)
CRI	>80(warm white), >80(cool white)
Input Voltage	Typ 3.2V
Application	General Lighting / Linear Lighting Residential Lighting

The Everlight 67-21 series is a 3528 package that is one of the most general use packages on the market due to its ease of produceability, strong reliability, and excellent performance. This white LED is a confident fit for a wide range of lighting applications.

#### 67-21 Series (3528)



Dimension	3.5 x 2.8 x 1.9 mm
Light Color	Warm white / Neutral white / Cool white
Power Consumption	0.1W / 0.06W
Current	30mA / 20mA
Color Temperature	2700K / 3000K / 4000K / 5000K / 5700K / 6500K
Efficiency	94 lm/W(warm white), 115 lm/W(cool white)
Lumens Output	9 lm(warm white), 11 lm(cool white)
CRI	>80(warm white)/>80(cool white)
Input Voltage	Typ 3.2V
Application	General Lighting / Linear Lighting Residential Lighting

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