



LED DOWN LIGHT SERIES I(EL-DL1EC)



E-Lover LED down light Series state of the art design with low light decay, high color rendering index LED chip source light and high quality low weight aluminum alloy housing fill in a high brightness and long lifespan. Down light is a uniform illumination can all directions point light source.

Basic Specification

Watt	9W,15W,20W,30W,40W,60W
IP	20
Chips	Epistar LEDs
Voltage	CE&ROHS
CRI	80
Application	Airport,Church,Cinema,Gallery,Hospital,Hotel,Kitchen,Meeting Room,Shopping Mall
Material	Aluminum alloy, Glass



Garage



Restaurant



Shopping



Offi



Airport



## PRODUCT FEATURES

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- LED driver contact with the heatsink directly and the heat dissipation is much stronger.
- As you know the good heat dissipation is important for the lifespan ,so we use the thickest aluminum heat sink to reduce the decay.So our led light decay rate is just 1% using 10000HRS;
- High color rendering index COB LED chips(50000hours Lifespan) source light with high-quality.
- The cooling structure is under patent protection (included the appearance).
- Low temperatures. Long lifespan more than 50000hours.
- No mercury and lead. No UV. No infrared. No radiation. Without causing any flickering, helpful to protect the eyes.
- CE (TUV) for EMC and LVD approved and RoHS compliant.





PRODUCT DIAGRAM

Size:

Part number	W [mm]	L [mm]	H [mm]
EL-DL1EC-9W	108	108	52
EL-DL1EC-15W	142	142	65
EL-DL1EC-20W	158	158	75
EL-DL1EC-30W	185	185	88
EL-DL1EC-40W	226	226	108
EL-DL1EC-60W	282	282	130

TECHNICAL DATA

Electrical characteristics\*:

Part number	Input Voltage [V]	Frequency [Hz]	Power [W]	Traditional equivalent [W]	Power Factor [%]	Dimmable
EL-DL1EC-9W	AC100-240V	50 / 60	9	18	≥0.90	Optional
EL-DL1EC-15W	AC100-240V	50 / 60	15	30	≥0.90	Optional
EL-DL1EC-20W	AC100-240V	50 / 60	20	40	≥0.90	Optional
EL-DL1EC-30W	AC100-240V	50 / 60	30	60	≥0.90	Optional
EL-DL1EC-40W	AC100-240V	50 / 60	40	80	≥0.90	Optional
EL-DL1EC-60W	AC100-240V	50 / 60	60	120	≥0.90	Optional

Note 1: Absolute ratings @ 25°C.



TECHNICAL DATA

Optical Characteristics:

Part number	Color	Color Temperature [°K]	Luminescence [lm]	Lumen Efficiency [lm/w]	CRI (Ra)	Beam angle [ ° ]
EL-DL1EC-9W-CW	Cold White	6000	900	100	80	120
EL-DL1EC-9W-NW	Nature White	4000	855	95	80	120
EL-DL1EC-9W-WW	Warm White	3000	810	90	80	120
EL-DL1EC-15W-CW	Cold White	6000	1500	100	80	120
EL-DL1EC-15W-NW	Nature White	4000	1425	95	80	120
EL-DL1EC-15W-WW	Warm White	3000	1350	90	80	120
EL-DL1EC-20W-CW	Cold White	6000	2000	100	80	120
EL-DL1EC-20W-NW	Nature White	4000	1900	95	80	120
EL-DL1EC-20W-WW	Warm White	3000	1800	90	80	120
EL-DL1EC-30W-CW	Cold White	6000	3000	100	80	120
EL-DL1EC-30W-NW	Nature White	4000	2850	95	80	120
EL-DL1EC-30W-WW	Warm White	3000	2700	90	80	120
EL-DL1EC-40W-CW	Cold White	6000	4000	100	80	120
EL-DL1EC-40W-NW	Nature White	4000	3800	95	80	120
EL-DL1EC-40W-WW	Warm White	3000	3600	90	80	120
EL-DL1EC-60W-CW	Cold White	6000	6000	100	80	120
EL-DL1EC-60W-NW	Nature White	4000	5700	95	80	120
EL-DL1EC-60W-WW	Warm White	3000	5400	90	80	120

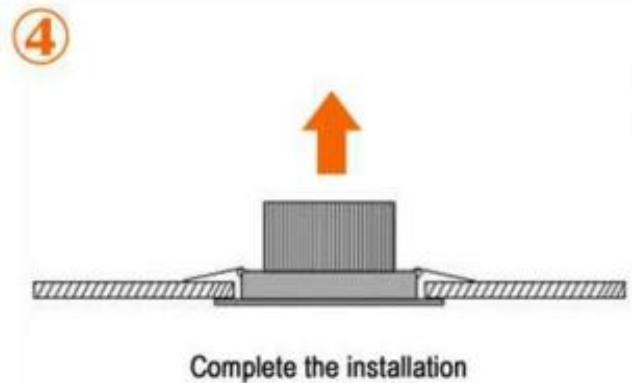
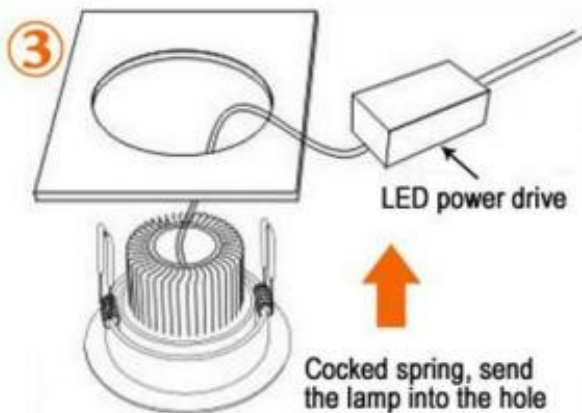
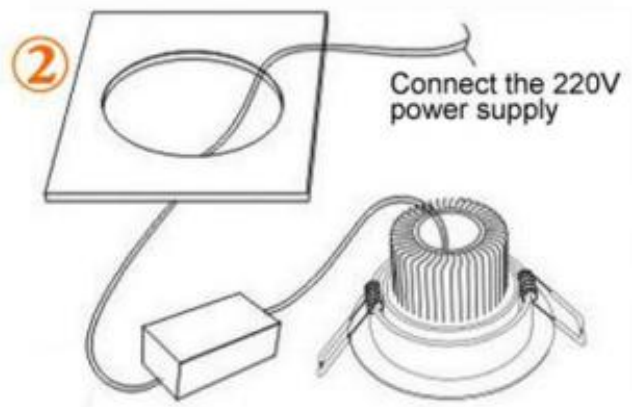
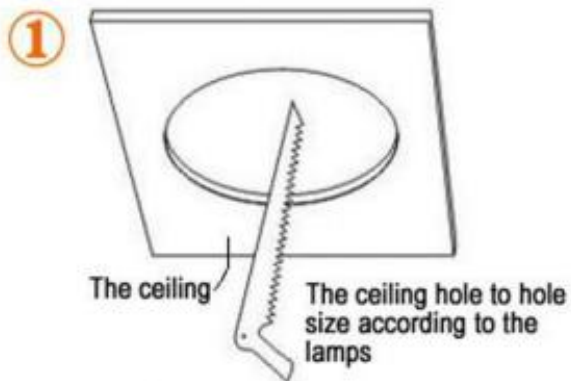
Note1: Absolute ratings @ 25°C.

Note2: Tolerance of measurement of luminous intensity±15%.

PRODUCT INSTALLATION:

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Precaution: Switch off power before doing any works.





## SAFETY

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1. **Always** consult a qualified, licensed electrician prior to the installation of this product.
2. **Always** ensure that all components are joined properly before they are installed.
3. It is recommended that adequate airflow and heatsink be taken into account in the application and installation of this product. Improper thermal management may lead to premature failure.
4. If any doubt about the installation or use of this product, consult a competent electrician.
5. Exceeding the operating temperature values may damage LED chips by reducing the total lamp life and lumen output, and inversely impact color consistency.
6. Switch off power of the mains supply or respectively of the connection lead before doing any works.
7. Avoid voltage drops by using a dedicated line for each maximum power consumption line .
8. The manufacturer rates each power supply for maximum power output at optimum thermal and voltage conditions. As with any power supply, true actual maximum continuous current output depends upon various environmental factors such as ambient temperature, line voltage fluctuations, and orientation that may affect heat dissipation. For optimum performance, make sure the load is between 50% and 80% of the total capacity of the power supply.
9. LED products are continuously being improved upon in ever-shortening manufacturing cycles. LED color temperature (kelvin), lumen output, and product appearance can change from order to order. Please note that variation in color temperature (kelvin) is commonly +/- 250k and brightness (lumens) is +/- 10%.

## Packing

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Product Name	Outer Carton Size(L×W×H)[mm]	Qty/Carton [pcs]
EL-DL1EC-9W	590*250*350	50
EL-DL1EC-15W	460*310*740	30
EL-DL1EC-20W	510*350*450	30
EL-DL1EC-30W	400*400*520	30
EL-DL1EC-40W	480*480*260	8
EL-DL1EC-60W	590*590*310	8



OTHER E-Lover PRODUCTS:

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For more information about E-Lover products, please visit our website

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

DISCLAIMER:

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E-Lover reserves the right to modify the design of our products as part of the company's program of continuous improvement. E-Lover cannot guarantee to match existing installed product for subsequent orders or replace the product exactly to match the product you are replacing in product appearance, color, or brightness. Specifications are subject to change without notice.