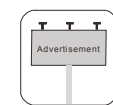


LED Floodlights Series IV (EL-FL4BN)



E-Lover LED flood light series IV state of the art design with low light decay, high color rendering index LED Philip chip source light and high quality low weight aluminum alloy housing fill in a high brightness and long lifespan street light. It is a uniform illuminated area can be adjusted, the performance of a regular octahedrons icon in the scene.

Applications:



Advertising



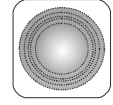
Tunnel



Orchard



Public
Square



Decoration

PRODUCT FEATURES

- High color rendering index SMD LED Philip chips(50000hours Lifespan) source light with high-quality, low voltage constant current driver.
- Use the high thermal conductivity aluminum, surface electrostatic processed and sprayed with high heat dissipation material.
- Excellent heat emission, reasonable structure design, higher waterproof and dust proof effect.
- Lamp mounted by screws, easy installation and fixed firmly,
- Power factor ≥ 0.95 . Adopt high-quality-high-efficiency constant current MeanWell driver(50000hours warranty), to ensure the product's stability, also to reduce the power consumption greatly.
- Low temperatures. Long lifespan more than 50000hours.
- IP65 for waterproof.
- No mercury and lead. No UV. No infrared. No radiation. Without causing any flickering, helpful to protect the eyes.
- 5 Years warranty
- CE (TUV) for EMC and LVD approved and RoHS Certificate.



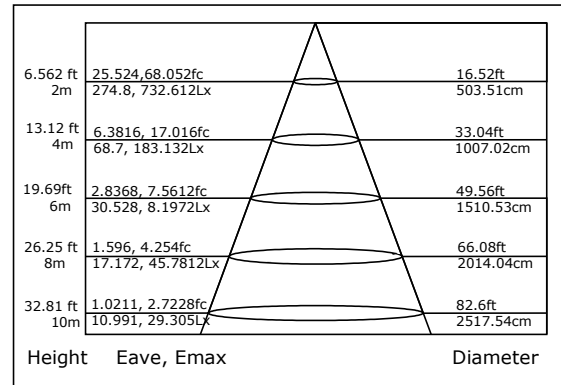
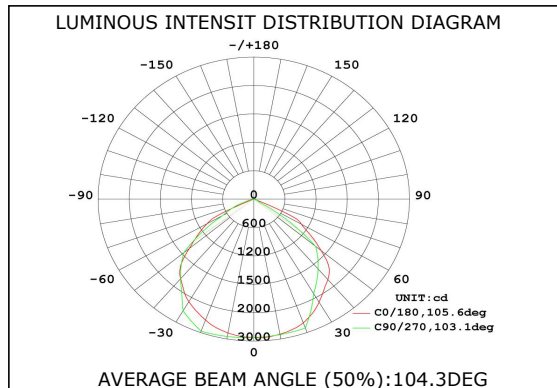
LED FLOOD LIGHTS SERIES IV PRODUCT SERIES DATASHEET



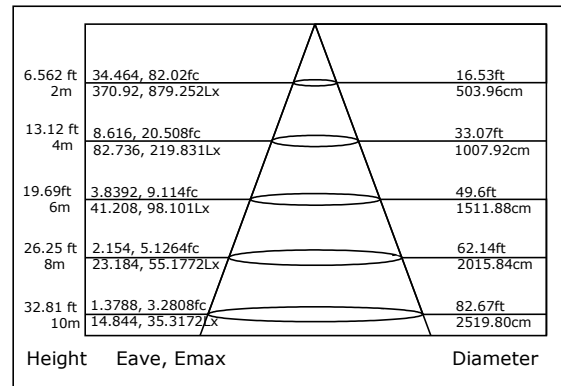
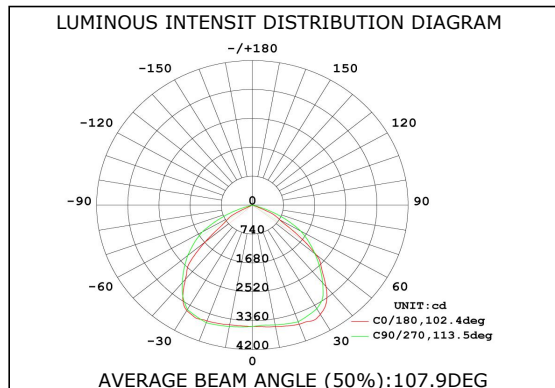
ILLUMINANCE DIAGRAM

Product Luminance:

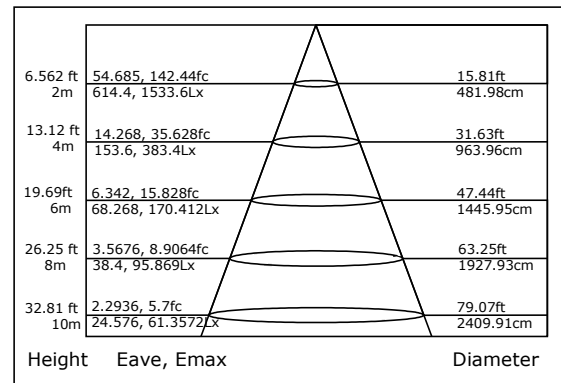
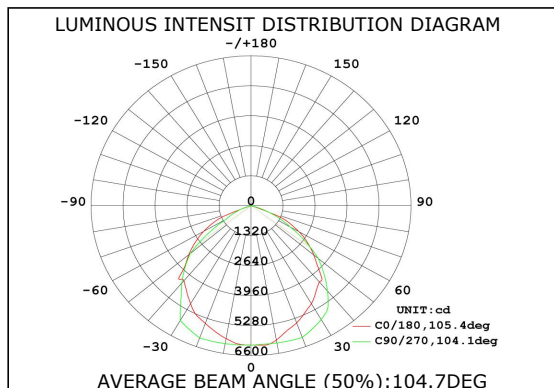
70 Watts



100 Watts



150 Watts



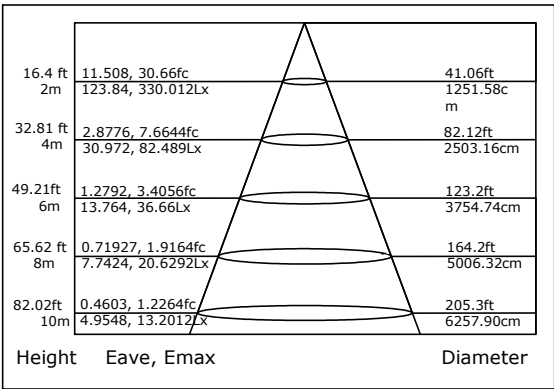
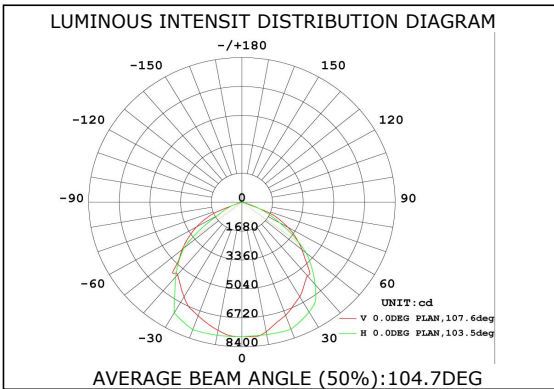
LED FLOOD LIGHTS SERIES IV PRODUCT SERIES DATASHEET



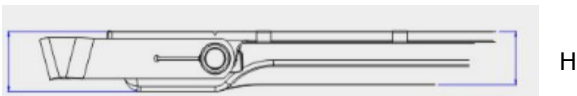
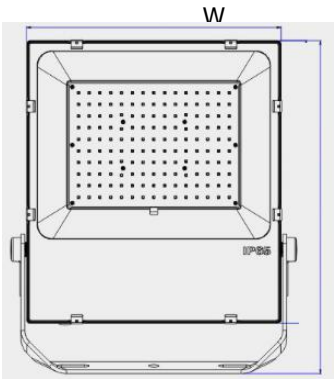
ILLUMINANCE DIAGRAM

Product Luminance:

200 Watts



PRODUCT DIAGRAM



Part number	W [mm]	L [mm]	H [mm]
EL-FL4BN-70W	245	354.5	55
EL-FL4BN-100W	295	402.5	60
EL-FL4BN-150W	330	403.5	60
EL-FL4BN-200W	360	470.5	60

LED FLOOD LIGHTS SERIES IV PRODUCT SERIES DATASHEET



TECHNICAL DATA

Electrical characteristics:

Part number	Operating Voltage [V]	Frequency [Hz]	Power [W]	Traditional equivalent [W]	Power Factor [%]	Dimmable
EL-FL4BN-70W	AC90-305V	50 / 60	70	140	≥0.9	N/A
EL-FL4BN-100W	AC90-305V	50 / 60	100	200	≥0.9	N/A
EL-FL4BN-150W	AC90-305V	50 / 60	150	300	≥0.9	N/A
EL-FL4BN-200W	AC90-305V	50 / 60	200	400	≥0.9	N/A

Note 1: 200-305 Vac optional for 50W~200W.

Note 2: Absolute ratings @ 25°C

TECHNICAL DATA

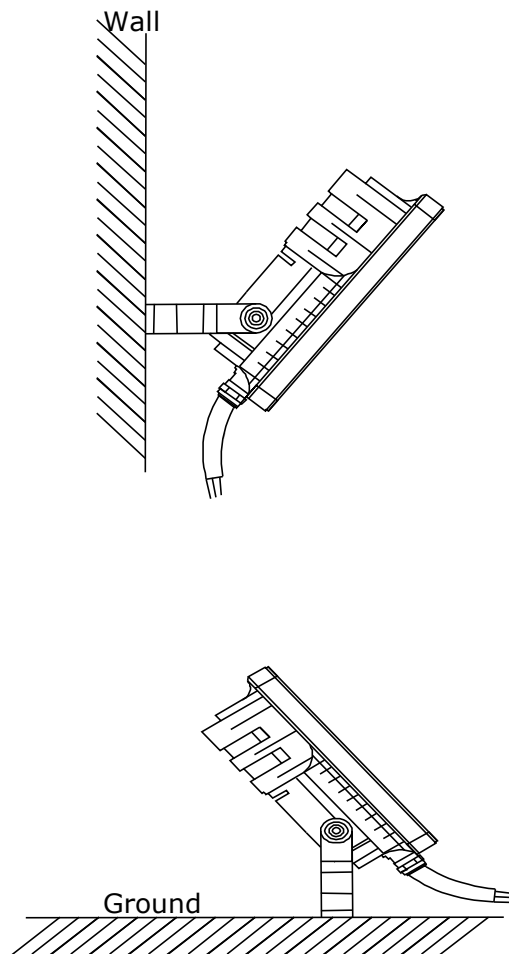
Optical Characteristics:

Part number	Color	Color Temperature [°K]	Luminescence [lm]	Lumen Efficiency [lm/w]	CRI (Ra)	Beam angle [°]
EL-FL4BN50-CW	Cold White	6000	5500	110	70	120
EL-FL4BN50-NW	Nature White	4000	5250	105	70	120
EL-FL4BN50-WW	Warm White	3000	5000	100	70	120
EL-FL4BN70-CW	Cold White	6000	7700	110	70	120
EL-FL4BN70-NW	Nature White	4000	7350	105	70	120
EL-FL4BN70-WW	Warm White	3000	7000	100	70	120
EL-FL4BN100-CW	Cold White	6000	11000	110	70	120
EL-FL4BN100-NW	Nature White	4000	10500	105	70	120
EL-FL4BN100-WW	Warm White	3000	10000	100	70	120
EL-FL4BN150-CW	Cold White	6000	16500	110	70	120
EL-FL4BN150-NW	Nature White	4000	15750	105	70	120
EL-FL4BN150-WW	Warm White	3000	15000	100	70	120
EL-FL4BN200-CW	Cold White	6000	22000	110	70	120
EL-FL4BN200-NW	Nature White	4000	21000	105	70	120
EL-FL4BN200-WW	Warm White	3000	20000	100	70	120

Note1: Absolute ratings @ 25°C.

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

PRODUCT INSTALLATION



Step 1: Please cut off the power supply before installation.

Step 2: Make sure the lamp accessories are complete and prepare installation tools.

Step 3: Fix the lamps firmly on the mounting bracket by tools.

Step 4: Adjust the radiation Angle to the right position and fixed it firmly.

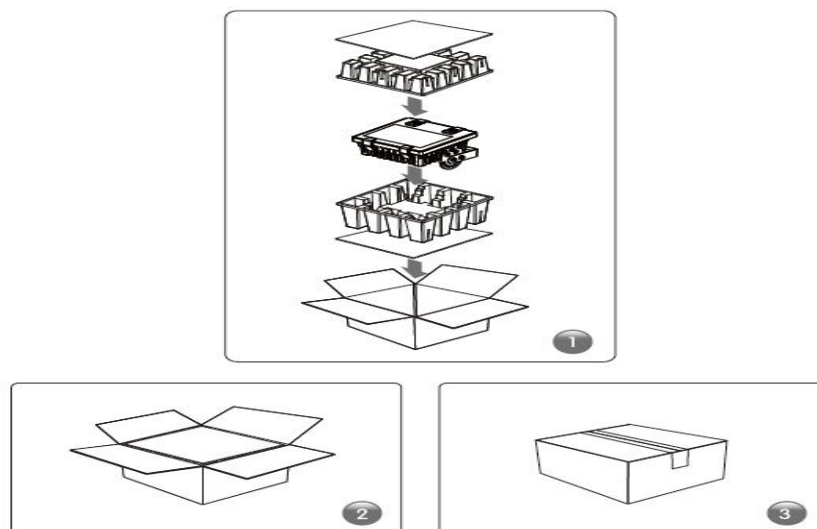
Step 5: For outdoor application and better waterproof and dust proof, please well connected the wire with a protective, waterproof junction box.

Step 6: Turn on the power after examination, adjust its lighting direction as customer's situation.

SAFETY

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:



LED FLOOD LIGHTS SERIES IV PRODUCT SERIES DATASHEET



PACKING:

Part Number	Outer Carton Size(L×W×H)[mm]	Qty/Carton [pcs]	Gross Weight [Kg]	Unit Weight [Kg]
EL-FL4BN-70W	455×355×850	6	25.46	3.91
EL-FL4BN-100W	500×405×880	6	33.32	5.22
EL-FL4BN-150W	530×450×590	4	26.48	6.12
EL-FL4BN-200W	575×475×590	4	31.84	7.46

OTHER E-LOVER PRODUCTS:

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

www.szeloover.com

DISCLAIMER:

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.