



LED Stadium Lights Round Series (EL-FL6BN)



E-lover Led stadium lights series By riveting the heat pipe to the fins, the heat sink(housing) having excellent thermal performance; round reflectors:45/60/90°, meet the requirement of professional light distribution, and can restrain the dazzle light and spill light effectively; with the 4mm tempered glass, no need for extra shield;high pressure die-casting process made this reflector strong; it has been processed by electrophoretic paint, and passed 200 hours salt spray test. Waterproof rate:IP65.

Applications:



Football Stadium



Tennis Court



Airport



Public Square



Basketball Court

PRODUCT FEATURES

- By riveting the heatpipe to the fins, the heatsink(housing)having excellent thermal performance;
- By patented HDT technology, high performance heatpipe conduct the heat, 3-D heat dissipation, patented zipped-fins technology, and gear slotting fin technology, make the incomparable heatsink housing.
- Professional light distribution,Inside high purity aluminum reflector is processed with anodization and polishing,optimize the lighting performance and restrain the dizzy light and spill light.
- High quality sports flood lighting, it can instant start, and has long life span, low consumption of energy, and polluting-free.It can be widely used at the stadium, golf course, wharf, square,etc.
- Professional design, full protection, by using water-proof connector and silicon rubber sealing, the protection rate can achieve IP65,and eliminating mist, improving quality, extending the life span.
- Reliable quality, remarkable performance. The entire housing coated by electrophoretic paint;Die-cast heatsink base intergrated with cooling fins;tempered glass panal;240°adjustable angle.

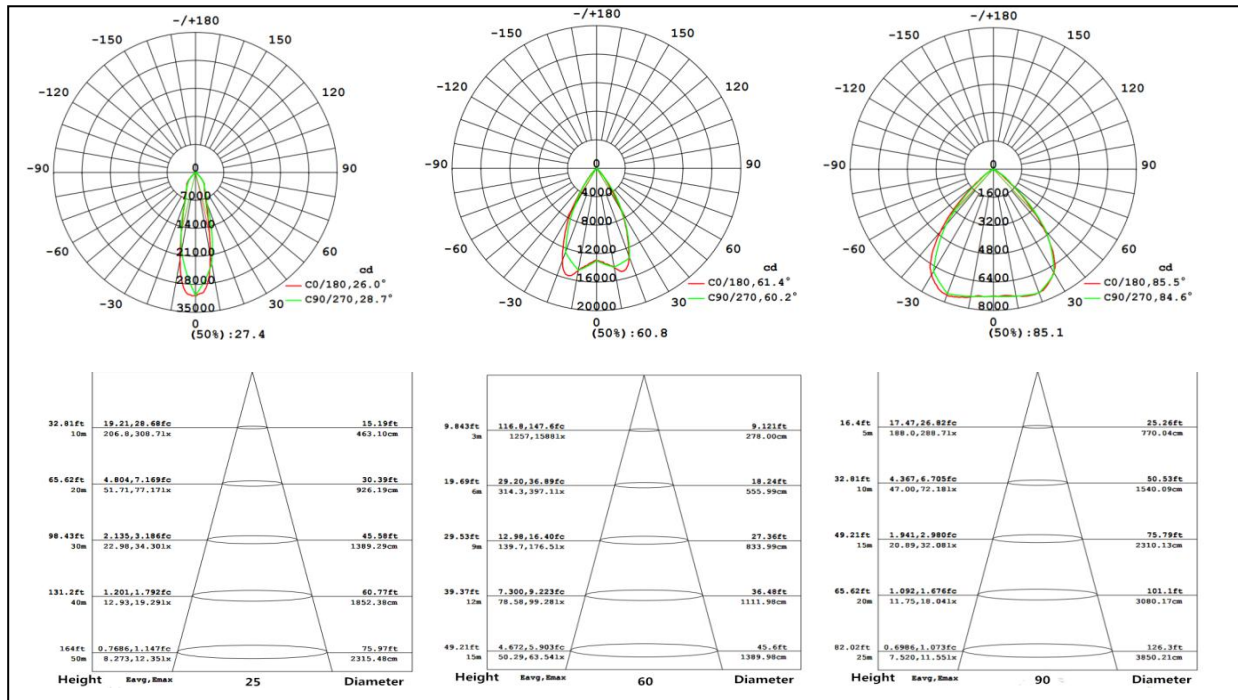
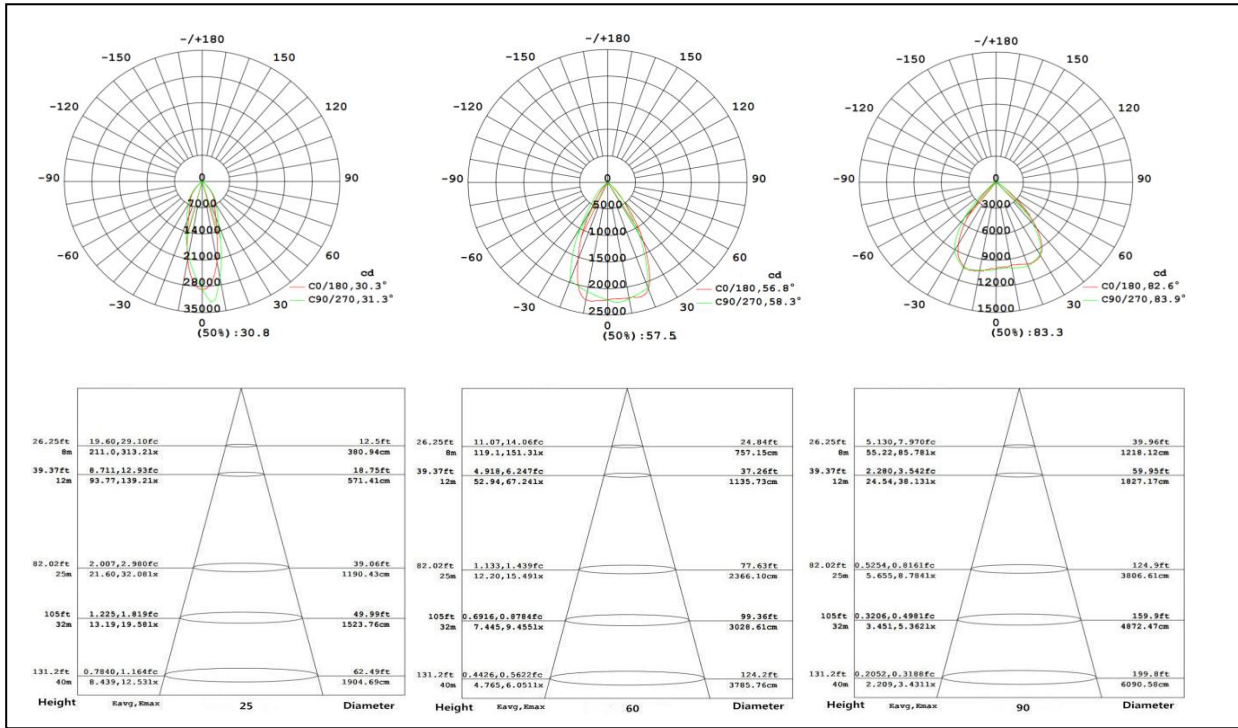


LED STADIUM LIGHTS PRODUCT SERIES DATASHEET



ILLUMINANCE DIAGRAM

Product Luminance

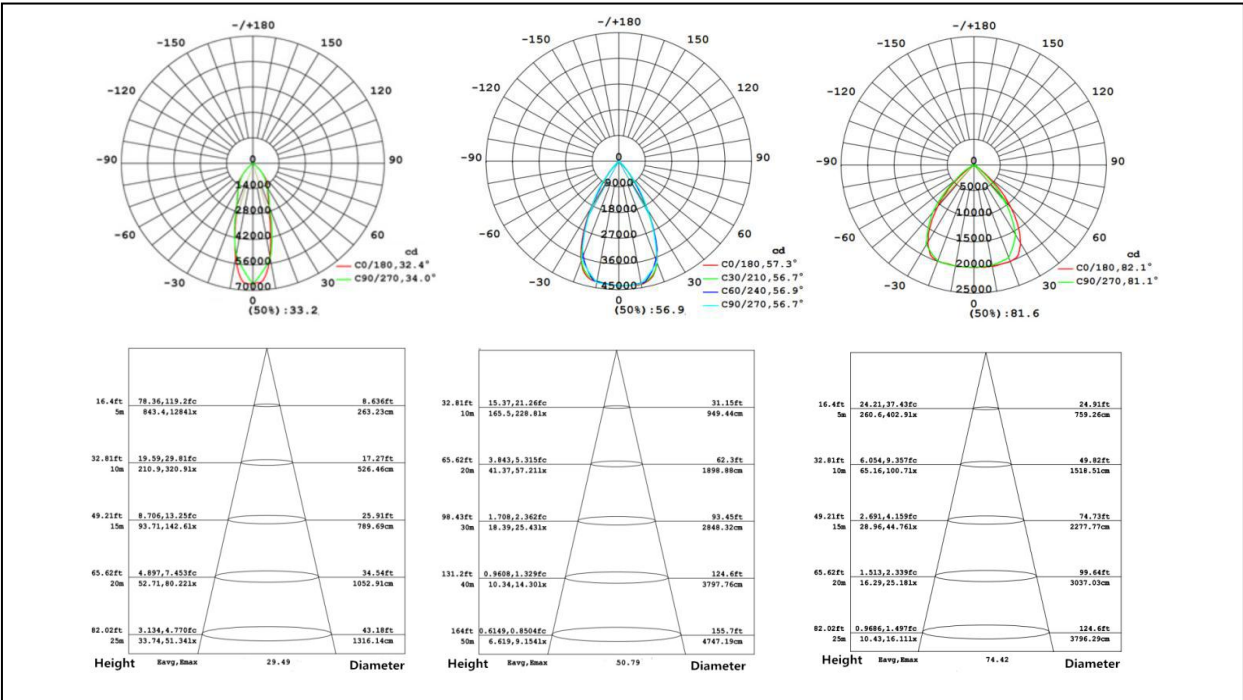


LED STADIUM LIGHTS
PRODUCT SERIES DATASHEET

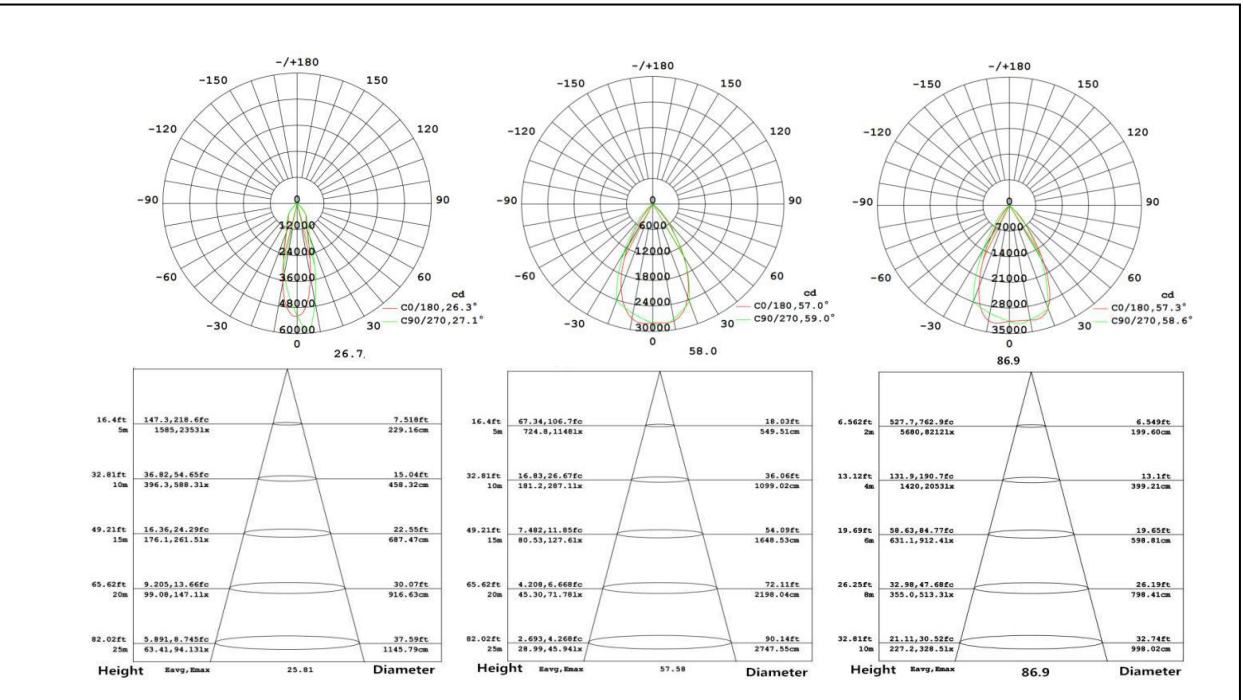


ILLUMINANCE DIAGRAM

Product Luminance



200W



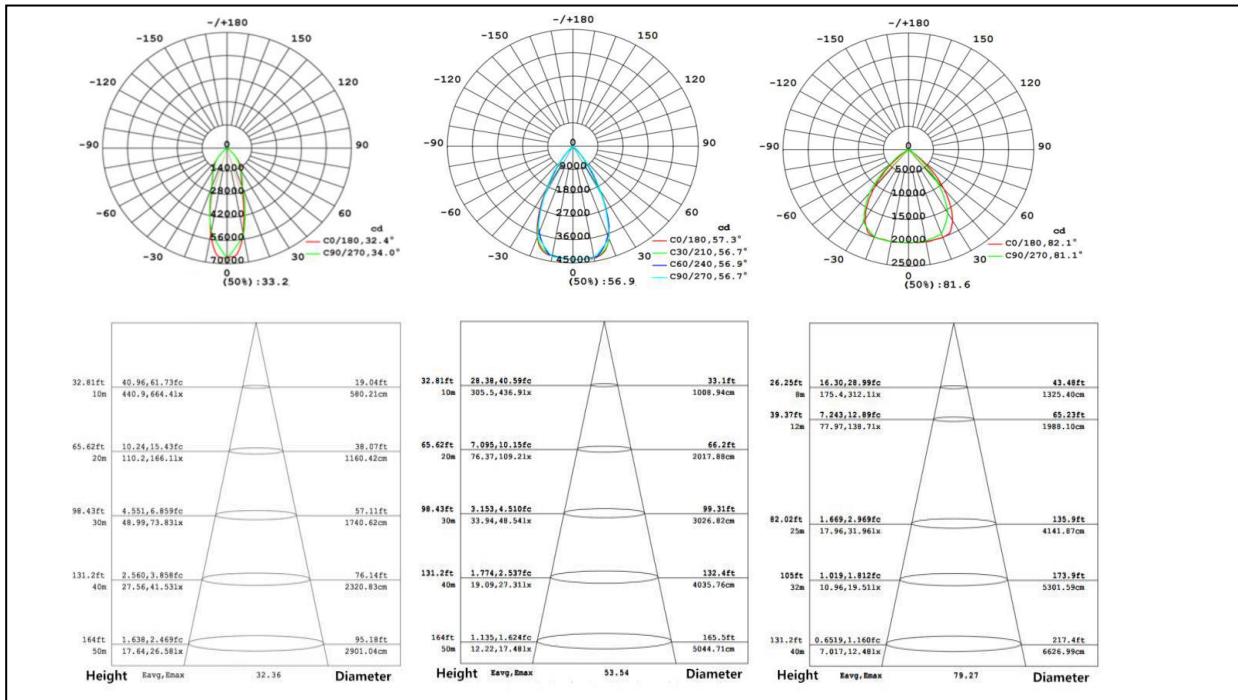
300W

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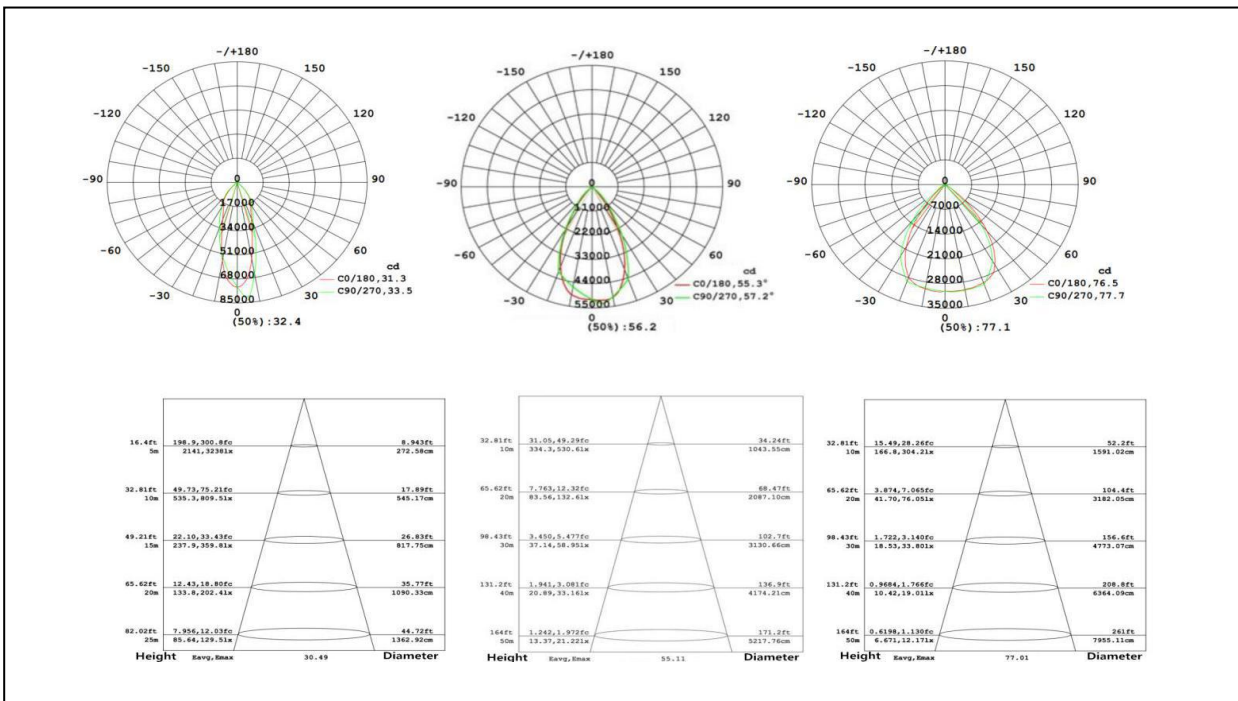


ILLUMINANCE DIAGRAM

Product Luminance



400W

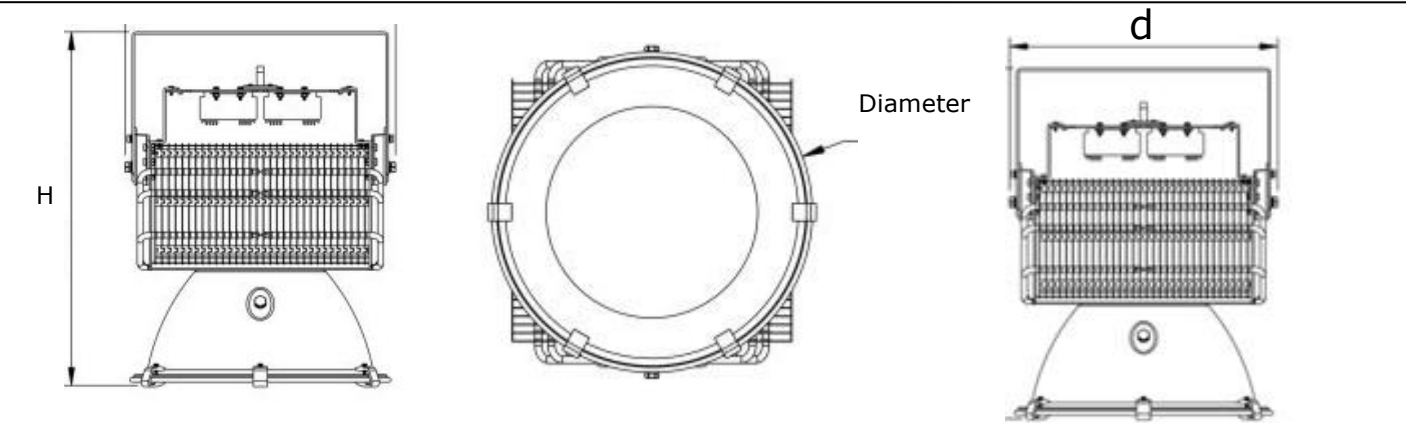


500W

LED STADIUM LIGHTS
PRODUCT SERIES DATASHEET



PRODUCT DIAGRAM



PRODUCT DIAGRAM

| Model | Ø (mm) | d (mm) | H (mm) |
|----------------|--------|--------|--------|
| EL-FL6BN-120W | 332 | 270 | 456 |
| EL-FL6BN-150W | 332 | 270 | 456 |
| EL-FL6BN-200W | 332 | 270 | 456 |
| EL-FL6BN-300W | 328 | 270 | 486 |
| EL-FL6BN-400W | 328 | 323 | 516 |
| EL-FL6BN-500W | 385 | 323 | 516 |
| EL-FL6BN-1000W | 450 | 450 | 630 |

LED STADIUM LIGHTS PRODUCT SERIES DATASHEET



TECHNICAL DATA

Electrical Characteristics :

| Model | Operating Voltage [V] | Frequency [Hz] | Power [W] | Traditional equivalent [W] | Power Factor [%] | Dimmable [Y/N] | Led quantity [pieces] |
|----------------|-----------------------|----------------|-----------|----------------------------|------------------|----------------|-----------------------|
| EL-FL6BN-120W | 90-305 Vac | 50 / 60 | 120 | 200 W | ≥0.95 | Optional | 120 |
| EL-FL6BN-150W | 90-305 Vac | 50 / 60 | 150 | 300 W | ≥0.95 | Optional | 150 |
| EL-FL6BN-200W | 90-305 Vac | 50 / 60 | 200 | 400 W | ≥0.95 | Optional | 210 |
| EL-FL6BN-300W | 90-305 Vac | 50 / 60 | 300 | 600 W | ≥0.95 | Optional | 320 |
| EL-FL6BN-400W | 90-305 Vac | 50 / 60 | 400 | 800 W | ≥0.95 | Optional | 400 |
| EL-FL6BN-500W | 90-305 Vac | 50 / 60 | 500 | 1000W | ≥0.95 | Optional | 480 |
| EL-FL6BN-1000W | 90-305 Vac | 50 / 60 | 1000 | 2000 | ≥0.95 | Optional | 504 |

Note 1: 200-305 Vac input optional.

Note 2: Absolute ratings @ 25°

LED STADIUM LIGHTS PRODUCT SERIES DATASHEET



TECHNICAL DATA

Optical Characteristics:

| Part number | Power [W] | Color Temperature [°K] | Color | Luminous Flux [lm] | Lumen Efficiency [lm/w] | CRI (Ra) | Beam angle [°] |
|-------------------|-----------|------------------------|---------------|--------------------|-------------------------|----------|----------------|
| EL-HB4CM-120W-CW | 120 | 6000 | Cool White | 13200 | 110 | 70 | 25/60/90° |
| EL-HB4CM-120W-NW | 120 | 4000 | Natural White | 12600 | 105 | 70 | 25/60/90° |
| EL-HB4CM-120W-WW | 120 | 3000 | Warm White | 12000 | 100 | 70 | 25/60/90° |
| EL-HB4CM-150W-CW | 150 | 6000 | Cool White | 16500 | 110 | 70 | 25/60/90° |
| EL-HB4CM-150W-NW | 150 | 4000 | Natural White | 15750 | 105 | 70 | 25/60/90° |
| EL-HB4CM-150W-WW | 150 | 3000 | Warm White | 15000 | 100 | 70 | 25/60/90° |
| EL-HB4CM-200W-CW | 200 | 6000 | Cool White | 22000 | 110 | 70 | 25/60/90° |
| EL-HB4CM-200W-NW | 200 | 4000 | Natural White | 21000 | 105 | 70 | 25/60/90° |
| EL-HB4CM-200W-WW | 200 | 3000 | Warm White | 20000 | 100 | 70 | 25/60/90° |
| EL-HB4CM-300W-CW | 300 | 6000 | Cool White | 33000 | 110 | 70 | 25/60/90° |
| EL-HB4CM-300W-NW | 300 | 4000 | Natural White | 31500 | 105 | 70 | 25/60/90° |
| EL-HB4CM-300W-WW | 300 | 3000 | Warm White | 30000 | 100 | 70 | 25/60/90° |
| EL-HB4CM-400W-CW | 400 | 6000 | Cool White | 44000 | 110 | 70 | 25/60/90° |
| EL-HB4CM-400W-NW | 400 | 4000 | Natural White | 42000 | 105 | 70 | 25/60/90° |
| EL-HB4CM-400W-WW | 400 | 3000 | Warm White | 40000 | 100 | 70 | 25/60/90° |
| EL-HB4CM-500W-CW | 500 | 6000 | Cool White | 55000 | 110 | 70 | 25/60/90° |
| EL-HB4CM-500W-NW | 500 | 4000 | Natural White | 52500 | 105 | 70 | 25/60/90° |
| EL-HB4CM-500W-WW | 500 | 3000 | Warm White | 50000 | 100 | 70 | 25/60/90° |
| EL-FL6BN-1000W-CW | 1000 | 6000 | Cool White | 110000 | 110 | 70 | 45/60/90° |
| EL-FL6BN-1000W-NW | 1000 | 4000 | Natural White | 105000 | 105 | 70 | 45/60/90° |
| EL-FL6BN-1000W-WW | 1000 | 3000 | Warm White | 100000 | 100 | 70 | 45/60/90° |

Note 1: Absolute ratings @ 25°C.

Note 2: Tolerance of measurement of luminous intensity±15%.

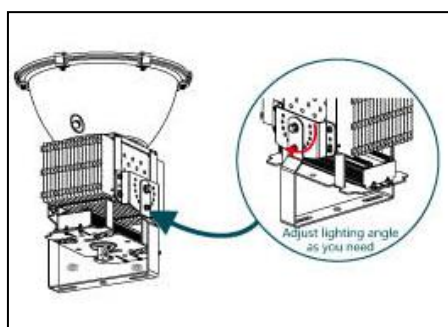
LED STADIUM LIGHTS PRODUCT SERIES DATASHEET



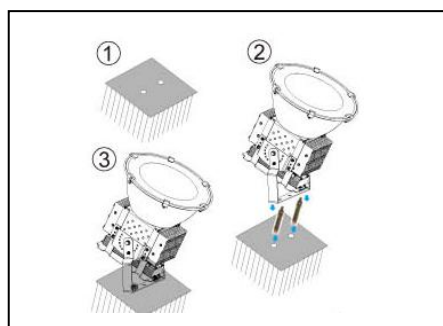
PRODUCT INSTALLATION:

Precaution: Switch off power before doing any works.

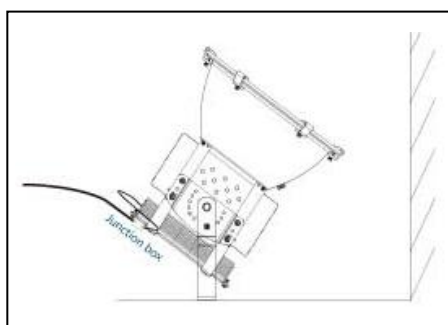
Step 1: Remove the inner hexangular screws of the lamp, adjust the beam angle, then install the screw and fix it by hexagon wrench



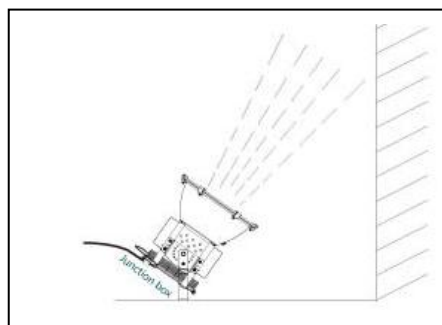
Step 2: Have the LED lamp on the wall or the ground, punch holes in the wall or on the ground, mounted expansion screw then install the lamp with nuts



Step 3: Connect the light to the power, Brown wire is L, Blue is N, Yellow and green is ground



Step 4: Switch on the power and make sure the light is on. Then the installation is done

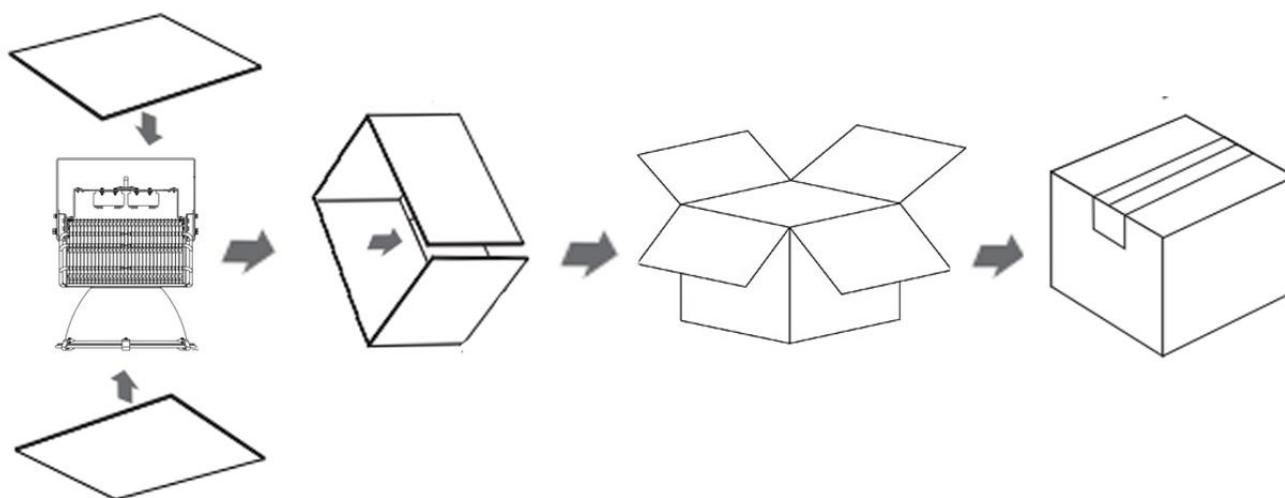




SAFETY

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 STADIUM LIGHTS PRODUCT SERIES DATASHEET



PACKING:

| Model | Outer Carton Size(L×W×H)[mm] | Qty/Carton [pcs] | Gross Weight [Kg] | Unit Weight [Kg] |
|----------------|------------------------------|------------------|-------------------|------------------|
| EL-FL6BN-120W | 460x460x540 | 1 | 10 | 9.5 |
| EL-FL6BN-150W | 460x460x540 | 1 | 10.7 | 10 |
| EL-FL6BN-200W | 460x460x540 | 1 | 10.8 | 10 |
| EL-FL6BN-300W | 460x460x540 | 1 | 13.1 | 12.1 |
| EL-FL6BN-400W | 460x460x540 | 1 | 14.8 | 13.2 |
| EL-FL6BN-500W | 460x460x540 | 1 | 15.6 | 14.8 |
| EL-FL6BN-1000W | 630x545x570 | 1 | 33 | 27.5 |

OTHER E-LOVER PRODUCTS:

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

www.szelovert.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.