

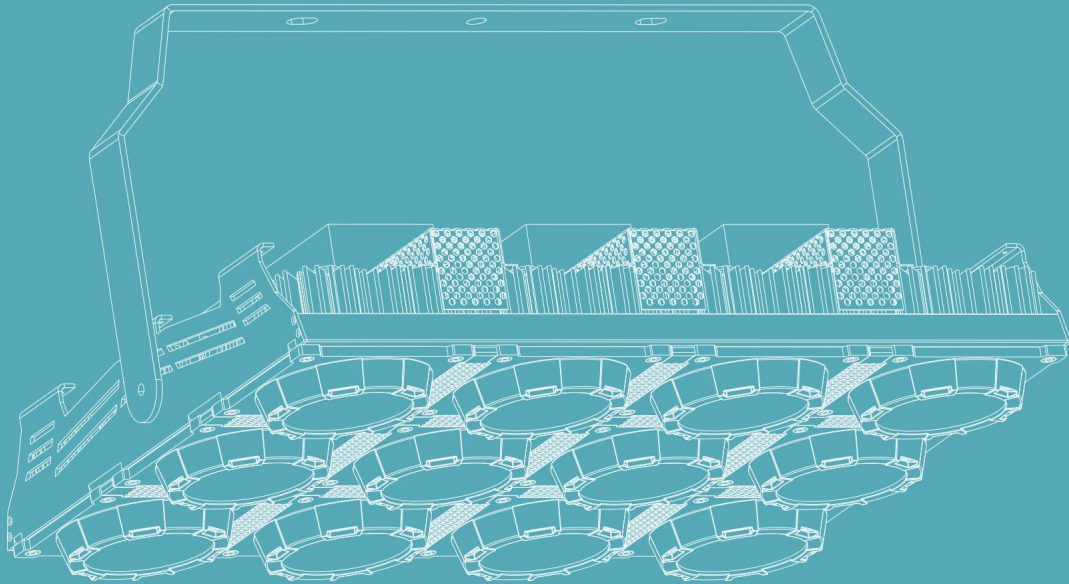


Harmonie Lights GmbH
Licht mit Zukunft

Harmonie SERIES

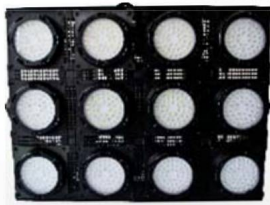
HIGH POWER MODULAR LED FLOOD LIGHT

80W-960W



FC GS A®





1 .Features:

- ◆ Professional optical design, precise light distribution, low light glare
- ◆ Replace traditional 150W-2000W light fixture
- ◆ 80W/module, 80W-960W available (Wider application for indoor and outdoor usage.)
- ◆ 15°30°60°90°1 20°beam angle available
- ◆ High lumen efficiency 125LM/W
- ◆ IP65 with IK08
- ◆ Philips/Meanwelldriver, Cree/Osram/Philips led, 5 years warranty
- ◆ High Light transmittance tempered glass
- ◆ UV Protection PC lens
- ◆ High pure Aluminium+Die-casting Aluminium
- ◆ Pure aluminium cold forging technology + anodic oxidation (More safety)
- ◆ Double anti-thunder technology
- ◆ Microwave sensor, PIR, radar sensor, light sensor, DALI dimming, PLC intelligent dimming System, Zigbee dimming System etc available
- ◆ Low luminous decay LEDs: Zero decay within 3,000 hours and less than 30% after 50,000 hours
- ◆ Light & Small, one module is only 1 KG with 150mm* 150mm size
- ◆ Easy replacement and maintenance with module and driver simply
- ◆ Widely used as flood light, high mast light, high bay, low bay, Stadium light, airport light, indoor and outdoor parking lot light, courtyard light etc
- ◆ CE, SAA certificate (UL, ETL, VDE under applying)

2.Application:

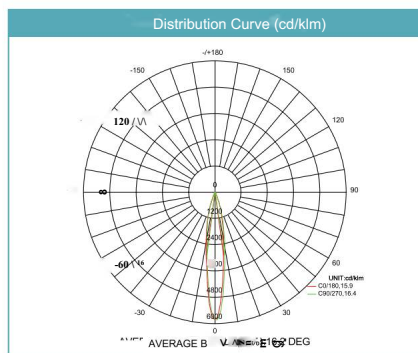


Stadium, construction, highmast, tennis court, football court Plaza, airport, port, highway crossroad, theater, airport terminal, Gymnasium, railway Station, warehouse, parking lot, tennis court, football court, courtyard etc.

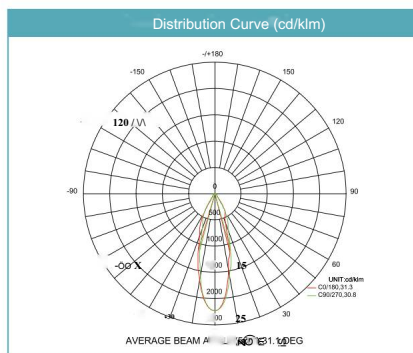
3.Technical Parameters

Model No.	HL-045080-XX	HL-046160-XX	HL-047240-XX	HL-048320-XX	HL-049480-XX	HL-050640-XX	HL-051720-XX	HL-052800-XX	HL-053880-XX	HL-054960-XX
Input voltage	1 00-240VAC(I 20-277VAC)									
Hz	47-63HZ									
Power factor	>0.95									
Efficiency	>90%									
LED type	LUMILEDS, CREE									
System power	80W	160W	240W	320W	480W	640W	720W	800W	880W	960W
Luminous efficiency	1 05Lm/W, 1 25Lm/W									
CCT	3000K, 4000K, 5000K, 5700K, 6500K									
CRI	70/80									
Beam Angle	1 5°. 30°. 60°> 90°. 1 20°									
Environment temperature	-40°C~+50°C									
Working humidity	20-95%RH									
IP	IP65									
Material	high pure aluminium+tempered glass + stainless steel									
Heat sink	pure aluminium cold forging heat sink									
Certification	CE. SAA									
Lifespan	>50000H									
Anti-electric shock rate Class										
Product size	150*150*239	354*166*239	522*166*259	354*336*270	527*336*311	527*506*342	527*506*342	699*506*365	699*506*365	699*506*365
Weight (kg)	3.5	5.5	7.5	10.5	15.5	19.7	22.2	26.1	28.3	30.5

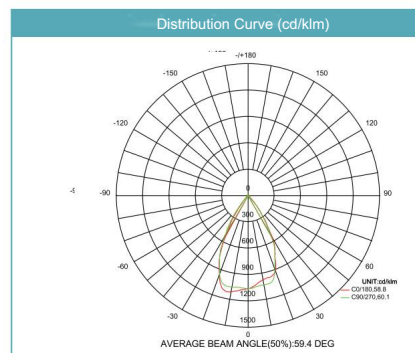
4.Light Distribution Curve



15°



30°

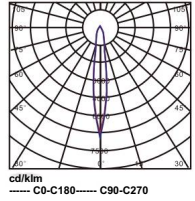


60°



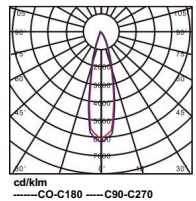
15° U Light Distribution Curve

1. High mast, construction, plaza, tennis court, football court etc



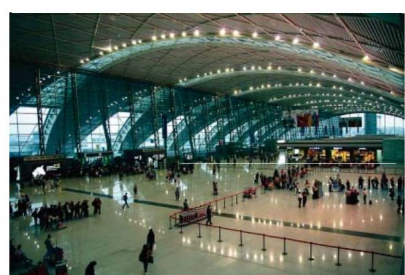
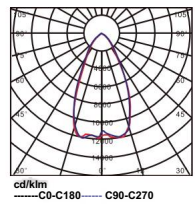
30° U Light Distribution Curve

2. plaza, airport, port, highway crossroad etc



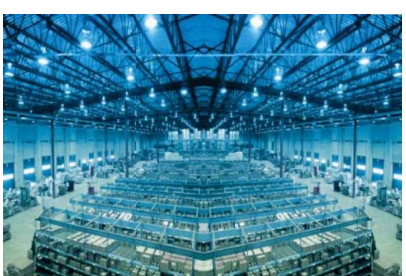
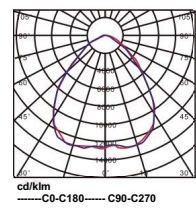
60° U Light Distribution Curve

3. Stadium, theater etc



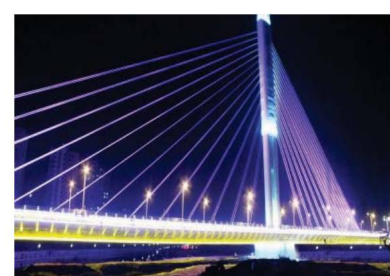
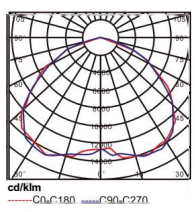
90° Light Distribution Curve

4. Airport terminal, Gymnasium railway Station etc

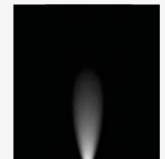
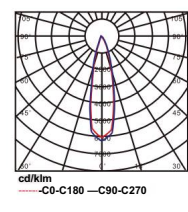
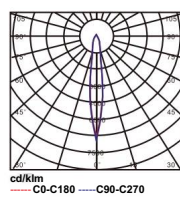


120° E Light Distribution Curve

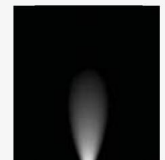
5. Warehouse, parking lot, tennis court, football court, courtyard etc



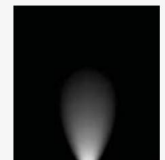
15° U + 30° U



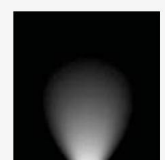
15° beam angle



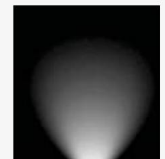
30° beam angle



60° beam angle



90° beam angle

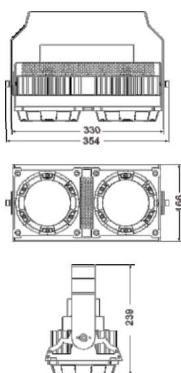


120° beam angle

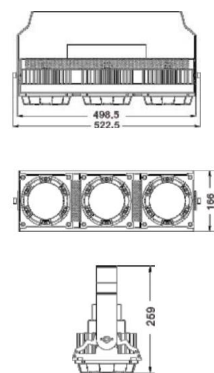
5.Product Dimension



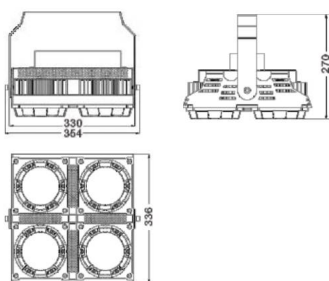
160W 354*166*239mm



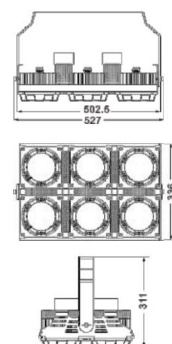
240W 522*166*259mm



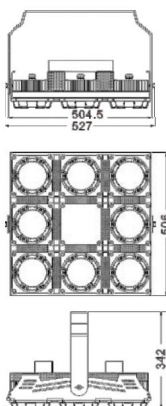
320W 354*336*311mm



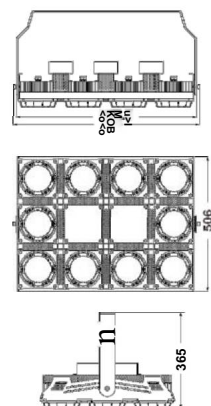
480W 526.5*336*270mm



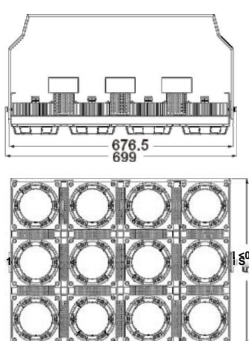
640W 527*506*342mm



800W 699*506*365mm



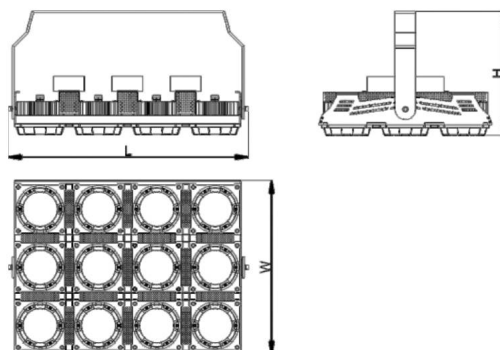
960W 699*506*365mm



6. Installation

©IW^o-I|ce

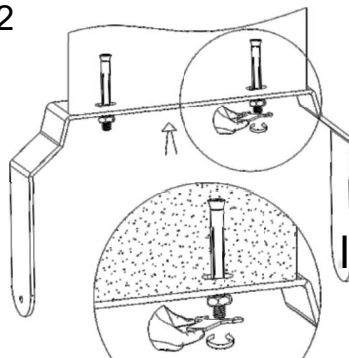
Model Number	Product Size (mm)	Weight (Kg)	Rated Voltage	Frequency
HL-045080-XX	150*150*238.5	3.5	100-240V 50/60HZ	
HL-046160-XX	354*166*239	5.5		
HL-047240-XX	522*166*259	7.5		
HL-048320-XX	354*336*270	10.5		
HL-049480-XX	527*336*311	15.5		
HL-050640-XX	527*506*342	19.7		
HL-051720-XX		22.2		
HL-052800-XX	699*506*367	26.1		
HL-053880-XX		28.3		
HL054960-XX		30.5		



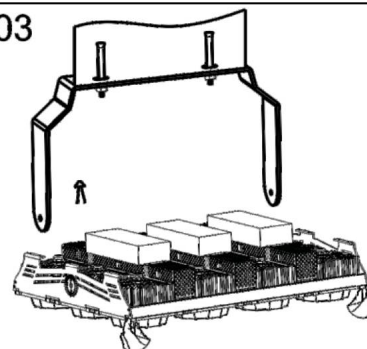
01



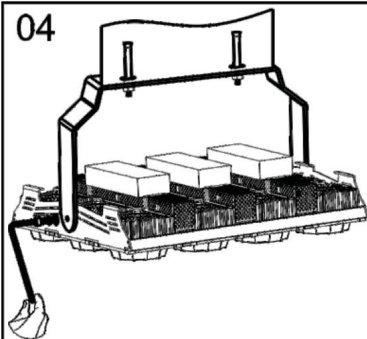
02



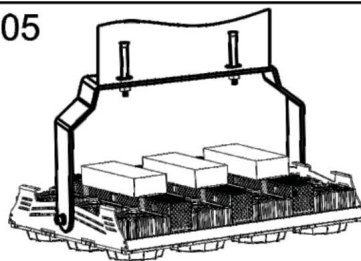
03



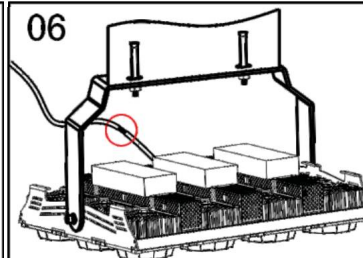
04



05



06



Cable

60227IEC53

3x1.0~1.5mm

N

L

N

L

60245IEC57

3x1.0~1.5mm

N

L

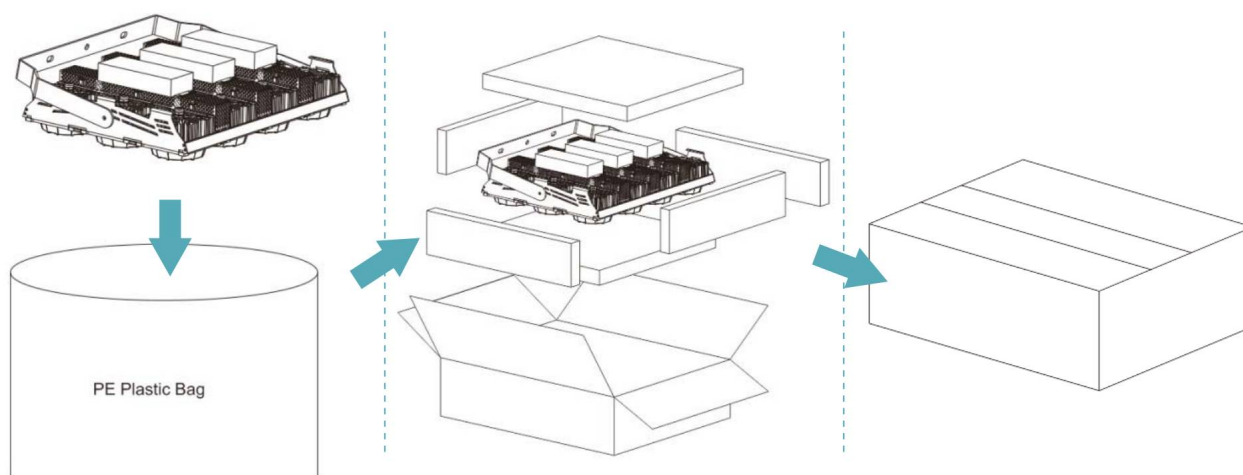
N

L

Notes:

1. Please check the wire before connecting.
2. Please turn off the power before connecting.
3. Please connect the wire with right color show in the sketch map.
4. After the power cable connected, make sure the cable joint position and wire of lamp must be waterproof processing, IP>65
5. It's normal phenomenon that there is temperature rise on the products surface when the product is working.
6. Please kindly read the introduction carefully to avoid the accident and damage. Repairing and Clearing work can only be available after cutting off power.
7. Must be installed by qualified electrician. The connection way must be suitable for IEE electrical Standard or national Standard.
8. Please kindly use soft cloth to clear it regularly (annually) to maintain the brightness.
9. It should be stocked in the shady, dry and clear environment and the stocked temperature is -20°C to 50°C.

7. Packaging



Model NO.	Single Box	N.W.(g)	G.W./ctn(kg)	Meas(mm)
HL-045080-XX	4	3.5	13.7	355*355*305
HL-046160-XX	2	5.5	13.1	365*390*305
HL-047240-XX	1	7.5	9.2	551*206*315
HL-048320-XX	1	10.5	12.8	445*400*225
HL-049480-XX	1	15.5	17.6	600*410*235
HL-050640-XX	1	19.7	22.6	610*590*245
HL-051720-XX	1	22.2	25.1	610*590*245
HL-052800-XX	1	28.3	29.2	790*600*255
HL-054960-XX	1	30.5	33.8	790*600*255

8. Matters needing attention:

- ◆ Please read the instruction manual carefully before installing the lighting fixtures.
- ◆ The disassembling and installation work are not allowed by the Non-professional.
- ◆ Please check the local voltage in accordance with the product requirements before using the products.
- ◆ Before connecting the power, please ensure that the switch is off to get rid of any electric shock.
- ◆ When using, do not put the item into any enclosure as it may affect the heat dissipation when working.
- ◆ Misuse of, or changes to the fixture shall nullify the guarantee.
- ◆ Make the power off and let it cool down completely when cleaning the led fixtures.
- ◆ Please check the product carefully before installation, if any damage, please keep it in the same and good packing and advise us in a timely manner.