



P/N: LI-GAEA-HM240

Note:

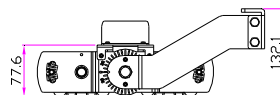
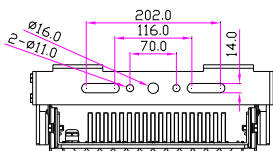
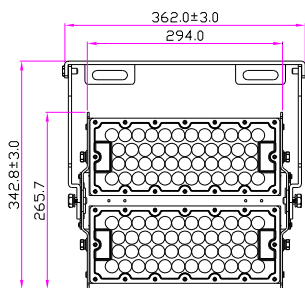
LI = Company Code

GAEA = Product Series

HM = Product Name, LED HIGH MAST LIGHT

240 = Power, 240W

DIMENSIONS



ADVANTAGE

- CE ROHS Certificate.
- IP65 driver, Input voltage 90-305VAC.
- No UV or IR in the beam.
- Easy to install and Operate.
- Energy saving, Long lifespan.
- Light is soft and Uniform, Safe to eyes.
- Instant start, NO flickering, NO humming.
- Green and eco-friendly without mercury.

APPLICATION

- Ice Hockey Arena
- Outdoor Sports Field;
- Airfield, Dock Field;
- Large Square hall;
- Highway Toll, Station etc.

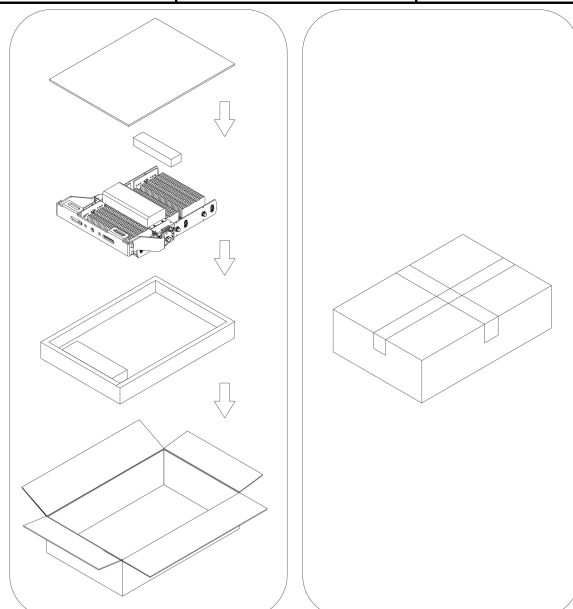


SPECIFICATIONS

OPTICAL	Input Power	240W
	Lumen	37200-38400LM
	Lumen Efficacy	155-160LM/W
	Viewing Angle	20° 40° 60° 90° 140*100° Optional
	Color Temperature	3000K, 4000K,5000K, 5700K
	CRI	>80
ELECTRICAL	Input Voltage	100-277VAC 50/60Hz
	PF	≥0.93
	THD	≤15%
	Driver Model	Meanwell ELG Series (0-10V/Dali Dimming Optional)
	Optional Accessory	DMX Decoder/Surge-Protective Device/Photocell
MATERIALS	LED Type	SMD 5050 (5W)
	LED QTY	92 PCS
	Housing	Aluminum Alloy
	Housing Color	Grey + Black
	Cover	Clear PC Lens
	Waterproof Rating	Outdoor (IP65)
OTHERS	Operating Temperature	-40ℳ TO 50ℳ
	Operating Humidity	10%-90% RH
	Storage Temperature	-40ℳ TO 80ℳ
	Storage Humidity	10%-95% RH
	Lumen Maintenance	5% Loss Over 9000hrs, No higher 25%-30% Loss Over 50000hrs
	Warranty Time	5 Years

PACKAGE

	Size	Qty / Carton	Lamps Net Weight	Weight/ Carton
Outer box	40.7x38x17.2cm	1PC	6.0KG	7.5KG

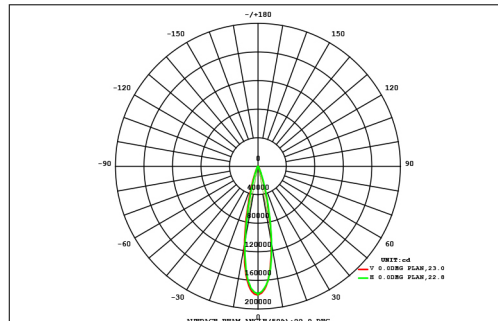




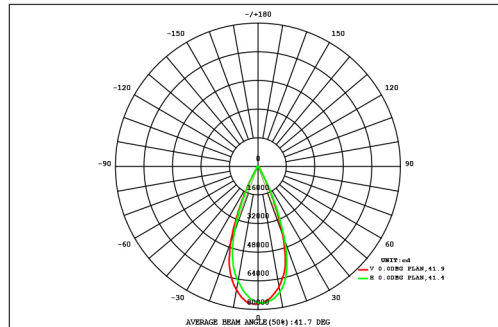
LIGHT DISTRIBUTION TESTING PARAMETERS

LUMINAIRE PHOTOMETRIC TEST REPORT

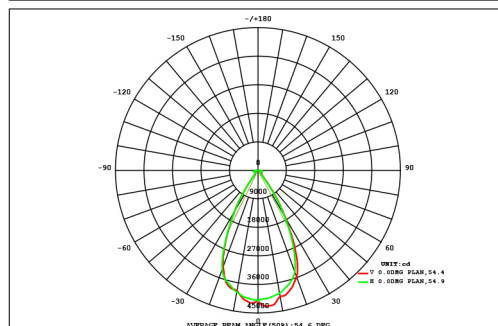
Test:U:229.97V I:1.0487A P:237.78W PF:0.9859 Freq:49.99Hz Lamp Flux:37422.1x1 lm		
NAME: 240W-5050-20	TYPE:	WEIGHT:
SPEC.:240W	DIM.: 400X300	SERIAL No.:
MFR.:	SUR.:.4X.3	Shielding Angle:



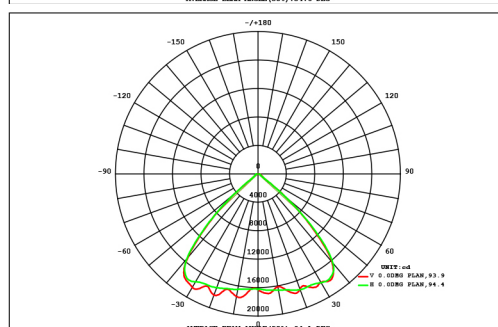
DATA OF LAMP		Eff:157.38lm/W	
MODEL	5050	Imax (cd)	179879
NOMINAL POWER(W)	240	AVAILABILITY(%)	74.9
RATED VOLTAGE (V)	220	Avai. FLUX(lm)	28045
NOMINAL FLUX(lm)	37422.1	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	37422
TEST VOLTAGE (V)	230	θ @50% (H,V)	23,23DEG



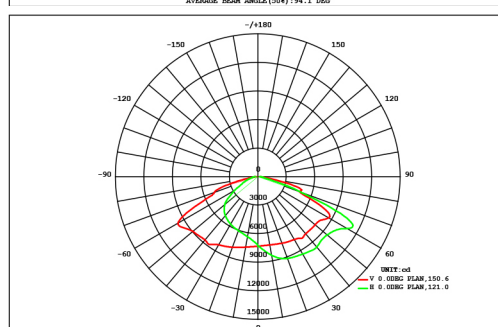
DATA OF LAMP		Eff:158.34lm/W	
MODEL	5050	Imax (cd)	76965
NOMINAL POWER(W)	240	AVAILABILITY(%)	86.0
RATED VOLTAGE (V)	220	Avai. FLUX(lm)	32294
NOMINAL FLUX(lm)	37542.9	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	37543
TEST VOLTAGE (V)	230	θ @50% (H,V)	42,41DEG



DATA OF LAMP		Eff:146.95lm/W	
MODEL		Imax (cd)	42902
NOMINAL POWER(W)	240	AVAILABILITY(%)	84.9
RATED VOLTAGE (V)	220	Avai. FLUX(lm)	30008
NOMINAL FLUX(lm)	35362.2	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	35362
TEST VOLTAGE (V)	230	θ @50% (H,V)	54,55DEG



DATA OF LAMP		Eff:149.09lm/W	
MODEL		Imax (cd)	18931
NOMINAL POWER(W)	240	AVAILABILITY(%)	95.6
RATED VOLTAGE (V)	220	Avai. FLUX(lm)	34200
NOMINAL FLUX(lm)	35775	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	35775
TEST VOLTAGE (V)	230	θ @50% (H,V)	94,94DEG



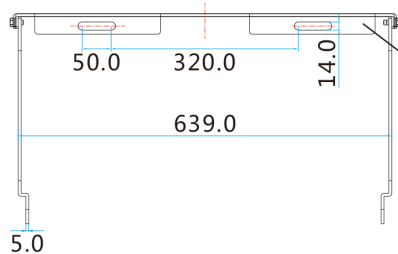
DATA OF LAMP		Eff:151.47lm/W	
MODEL		Imax (cd)	12431
NOMINAL POWER(W)	240	AVAILABILITY(%)	97.5
RATED VOLTAGE (V)	220	Avai. FLUX(lm)	33071
NOMINAL FLUX(lm)	33914	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	33914
TEST VOLTAGE (V)	230	θ @50% (H,V)	151,121DEG

Mounting

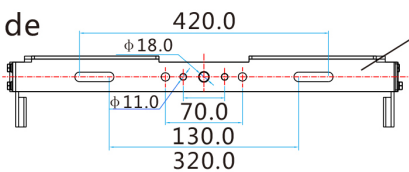
mounting hole drawing

unit: mm

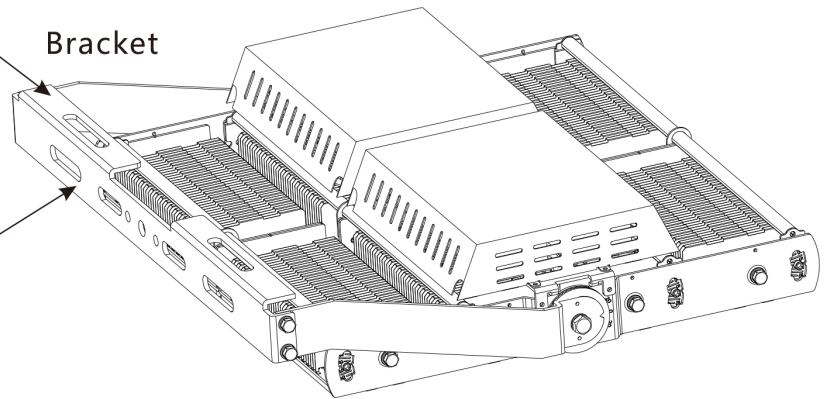
Bottom



Side

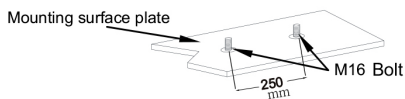
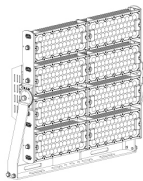


Bracket

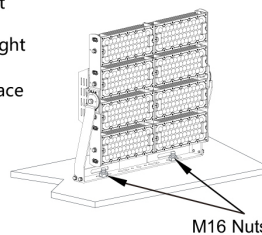


Bottom bracket mounting

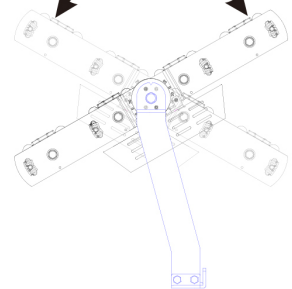
- 1: Fix the M16 bolt at the bottom mounting surface plate
- 2: Fix the rotatable bracket on the M16 bolt



- 3: Put the plain washer&lock washer in the M16 bolt
- 4: Fasten the nut, fix the light on the bottom mounting surface



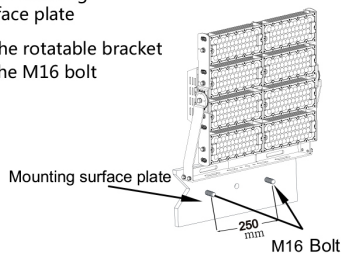
180°



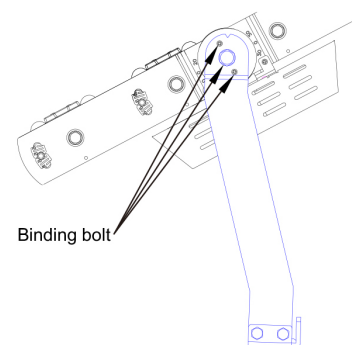
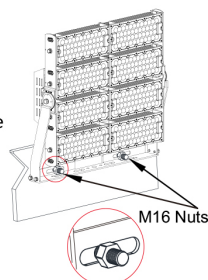
5: Adjust the beam angle

Side bracket mounting

- 1: Fix the M16 bolt at the side mounting surface plate
- 2: Fix the rotatable bracket on the M16 bolt

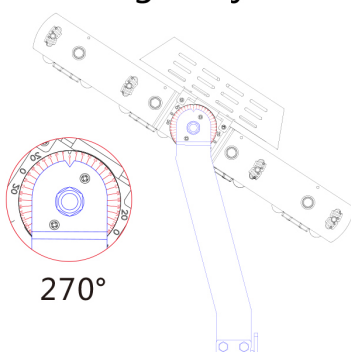


- 3: Put the plain washer&lock washer in the M16 bolt
- 4: Fasten the nut, fix the light on the side mounting surface

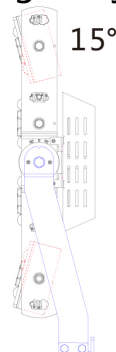


6: Lock the binding bolt to fasten the light body

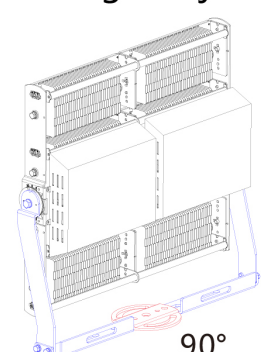
Bracket angle adjustable



Module angle adjustable



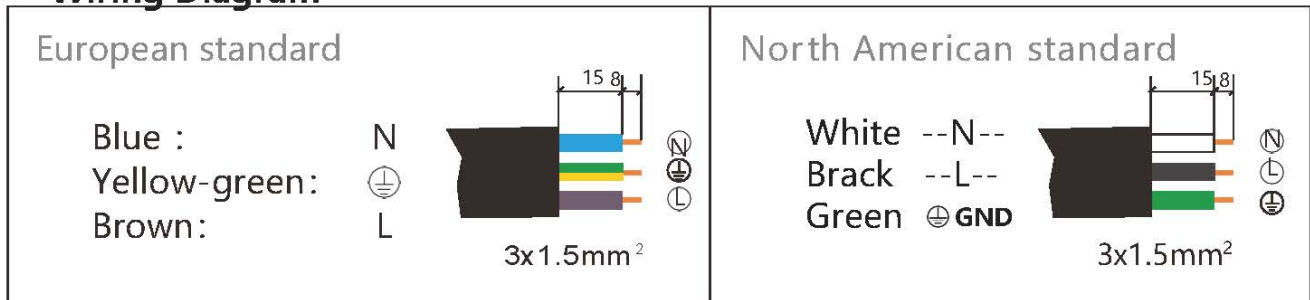
Overall angle adjustable



NOTICE FOR USER

- Please turn off power before install or change assembly parts.
- The input voltage and lamps should be matched, after connecting the power line, Please make sure the wiring section is insulated.
- No-professionals, must not install and disassemble the lamps.

⚡ Wiring Diagram



TROUBLE SHOOTINGS

Troubles	Check points
Flickering of the light	Turn off the power and turn on again in 3 minutes. If same phenomena occur, then call agencies.
Out of working	Please check the connection.