

shinetoo®

shinetoo®  
*The Future Shines Brighter Together*





# SHINETOO

Shineto Lighting has been manufacturing quality indoor and outdoor lighting almost 10 years. Our American office with warehouse is located in Chicago area, IL and we have factories in China and Thailand. Initially, our company started with a team of 3 and since then we grown to well almost 100 skilled employees.

We are proud to have an experienced R&D team who are always developing the next generation of lighting fixtures to keep our company ahead of the curve. Our in-house support and sales team are always prepared to offer you different solutions for your lighting needs.

Our goal is to be known as one to the world's top suppliers of Industrial, Commercial, Sports and Outdoor Lighting. We value honesty, integrity, respect, collaboration, innovation, and exceptional partnerships to achieve mutual success.



## The Future Shines Brighter Together

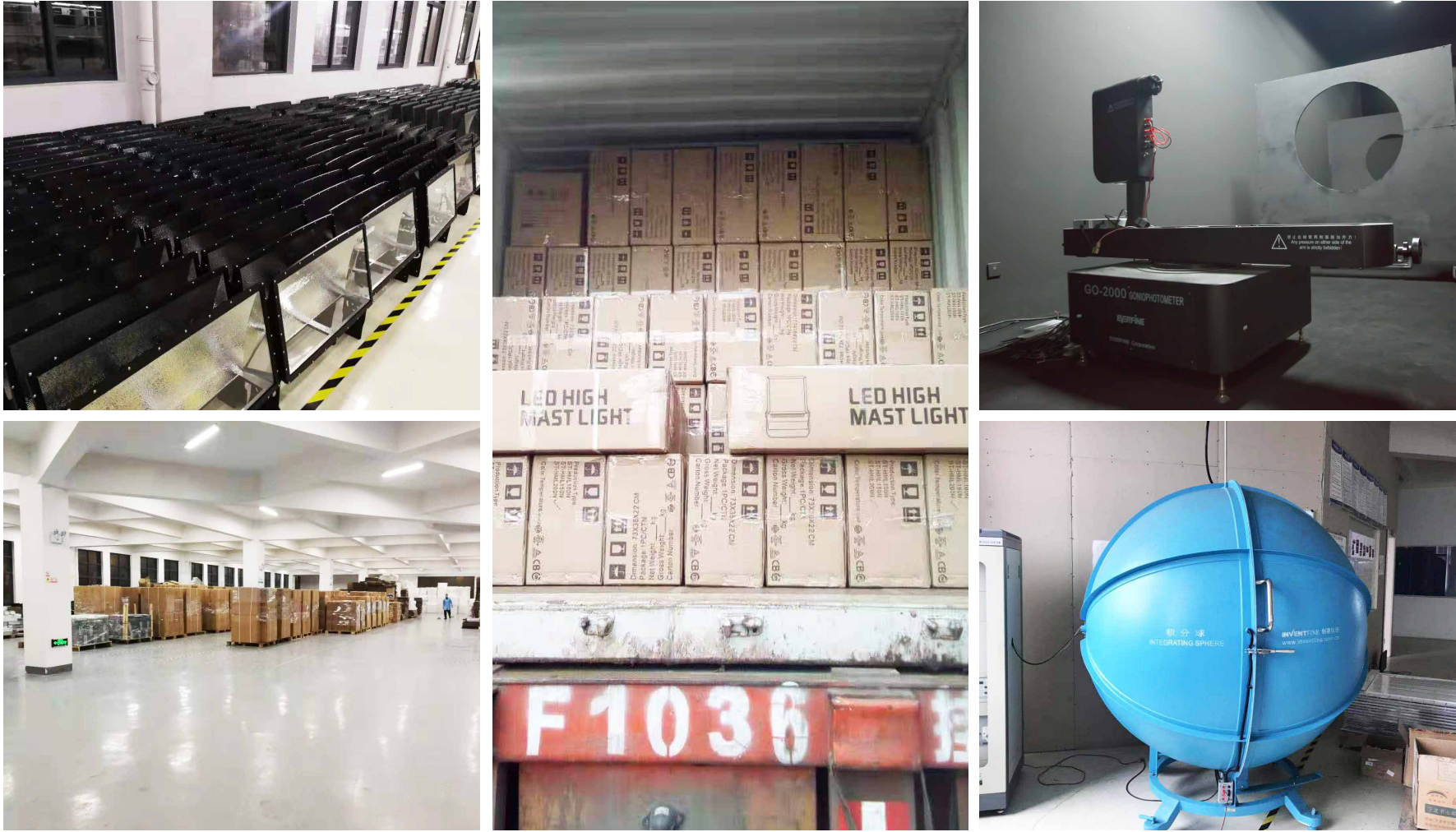




# The Future Shines Brighter Together



# The Future Shines Brighter Together





# SHINETOO'S MAIN PRODUCTS



• G3 LED High Mast Lighting



• G2 LED Stadium Lighting



• G4 LED Stadium Lighting



• G1 LED High Mast Lighting



• LED Linear High Bays



• STR LED High Bay



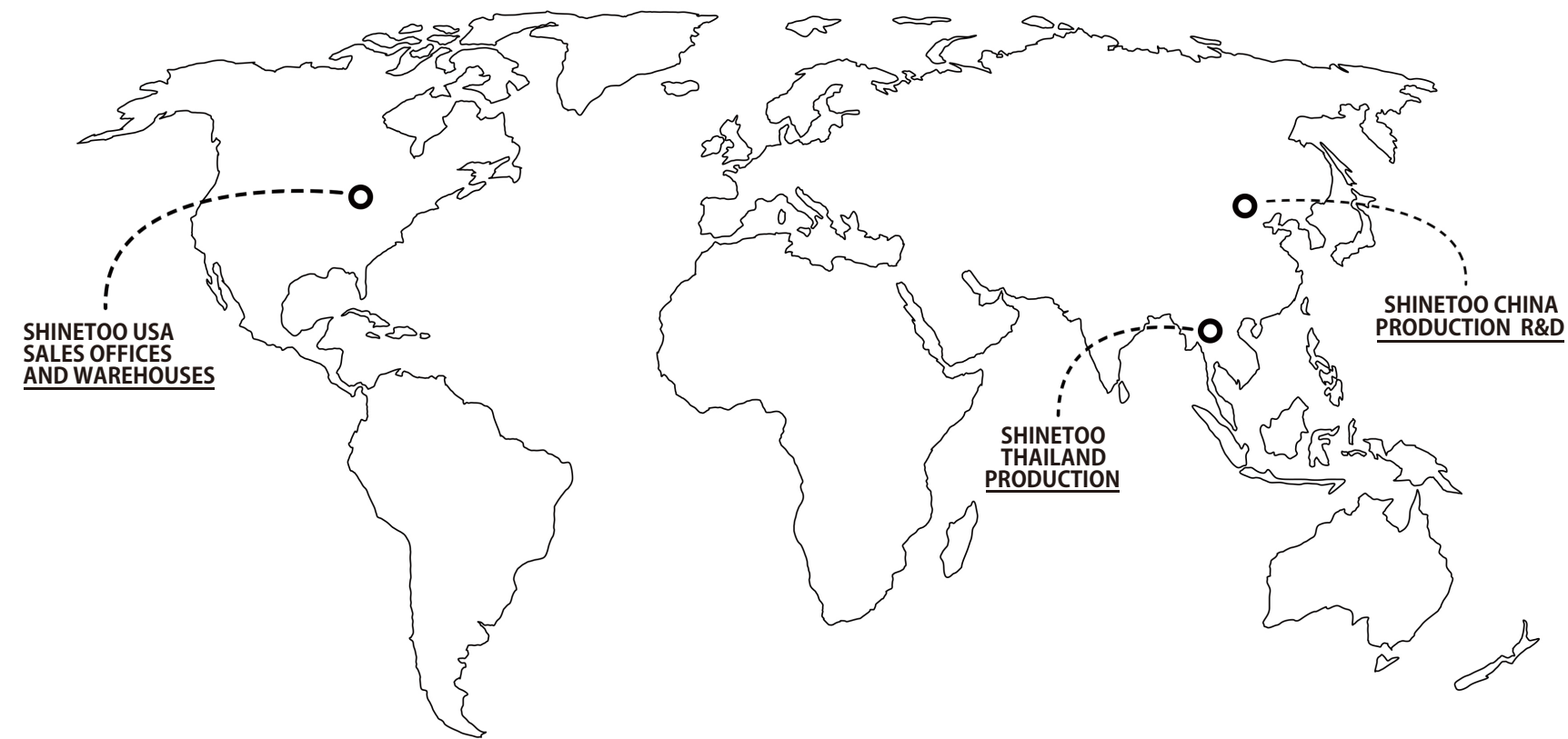
• LED Shoebox Lighting



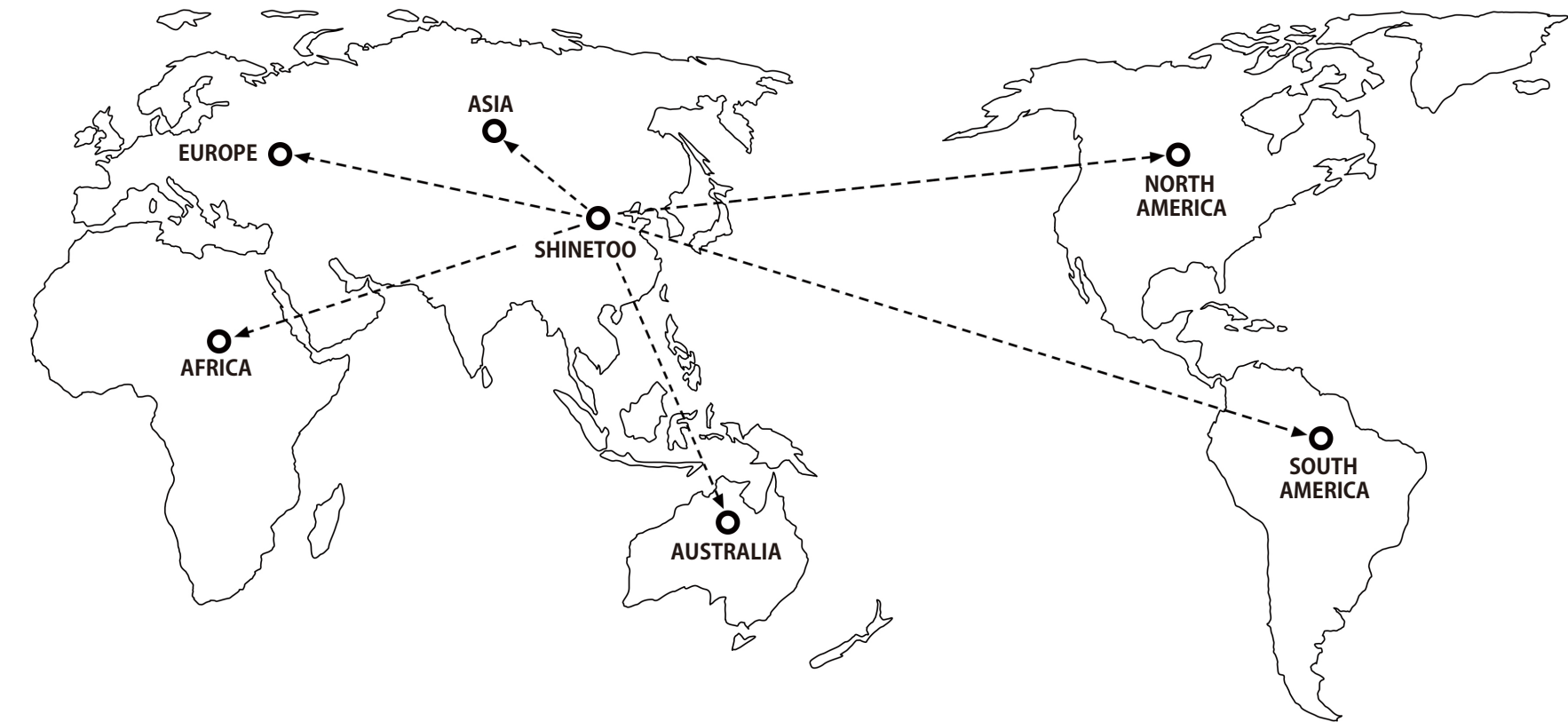
• LED Wall Pack

# GLOBAL MARKET COOPERATION

We look forward to cooperating in the global market while we integrate the needs of our customers in a diverse marketplace.  
We have established a vision to supply the demands and needs of our customers with quality products at a fair price.  
We realize the need for continuous innovation while incorporating the latest led technology and trends in the industry.  
Take the journey with us and experience what leaders in the industry have to offer.



# SALES AREA

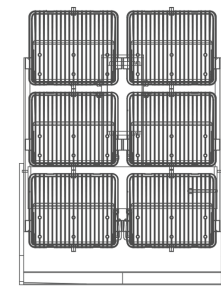
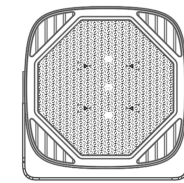
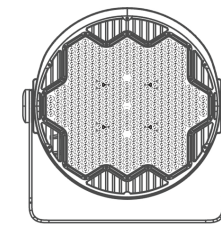
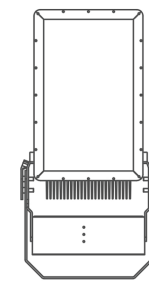
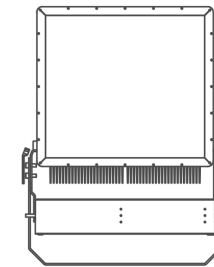
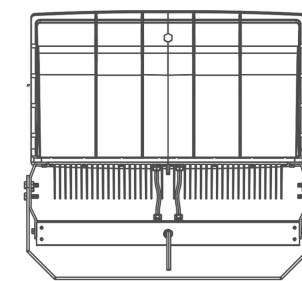






# OUTDOOR SPORTS LIGHTING

# SHINETOO





# OUTDOOR SPORTS LIGHTING

Shinetoos Main Products



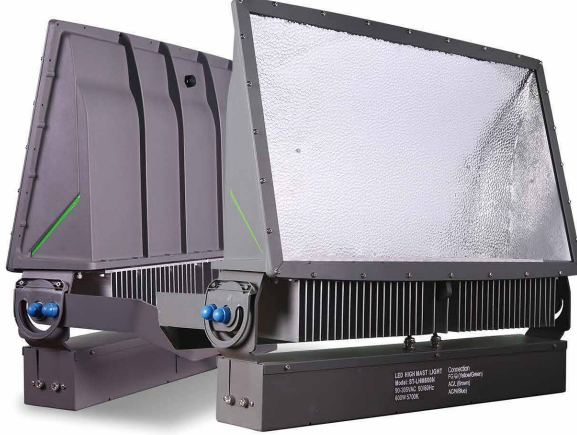
• G1-S1 LED High Mast Lighting

100W 150W 200W



• G1-S2 LED High Mast Lighting

300W 400W



• G1-S3 LED High Mast Lighting

500W 600W 800W

# OUTDOOR SPORTS LIGHTING

New Designs



• G2 LED Stadium Lighting

500W 600W 800W 1000W 1200W



• G4 LED Stadium Lighting

300W 400W 500W 600W



• G3 LED High Mast Lighting

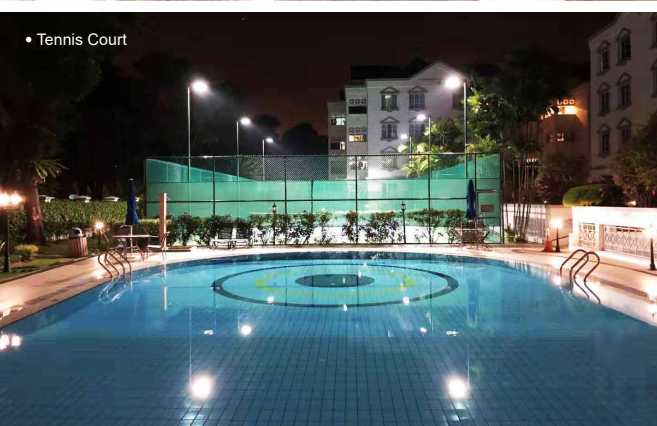
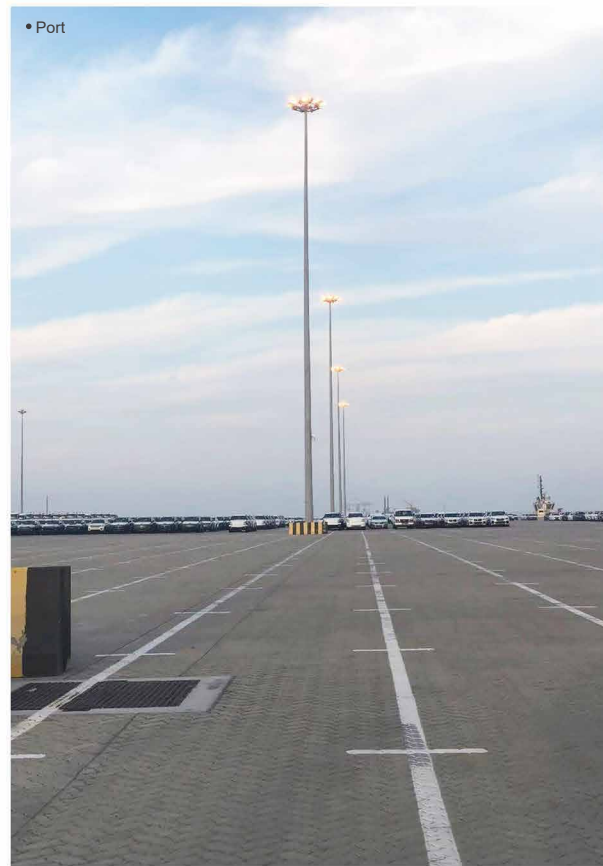
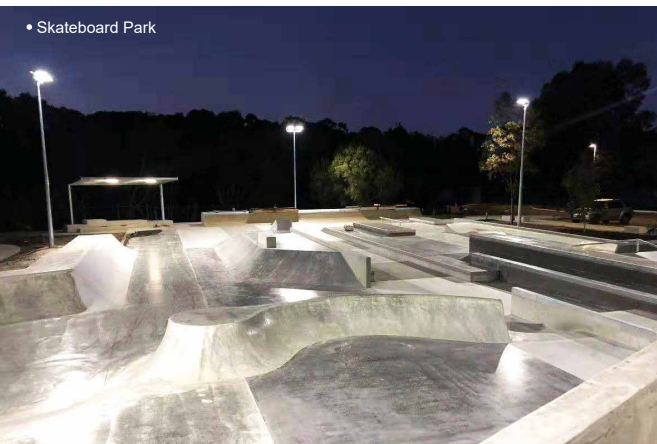
200W 300W 400W 500W 600W  
800W 1000W 1200W 1400W



# PROJECTS FOR OUTDOOR SPORTS LIGHTING

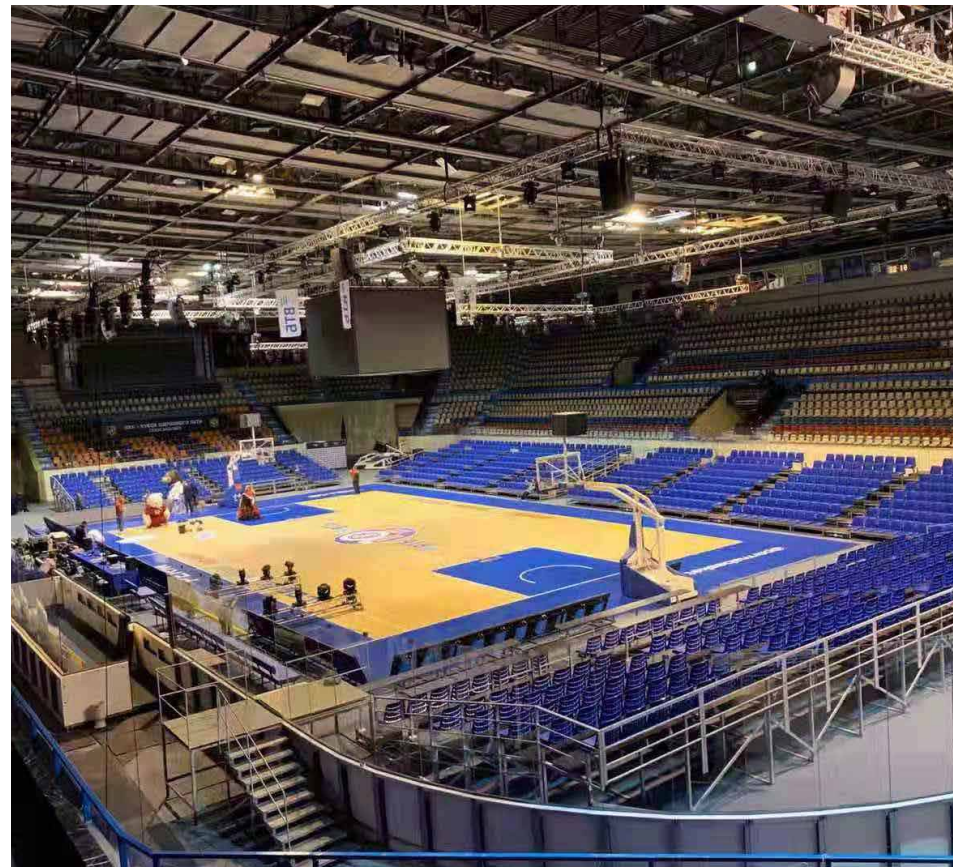


## G1 LED HIGH MAST LIGHTING APPLICATIONS

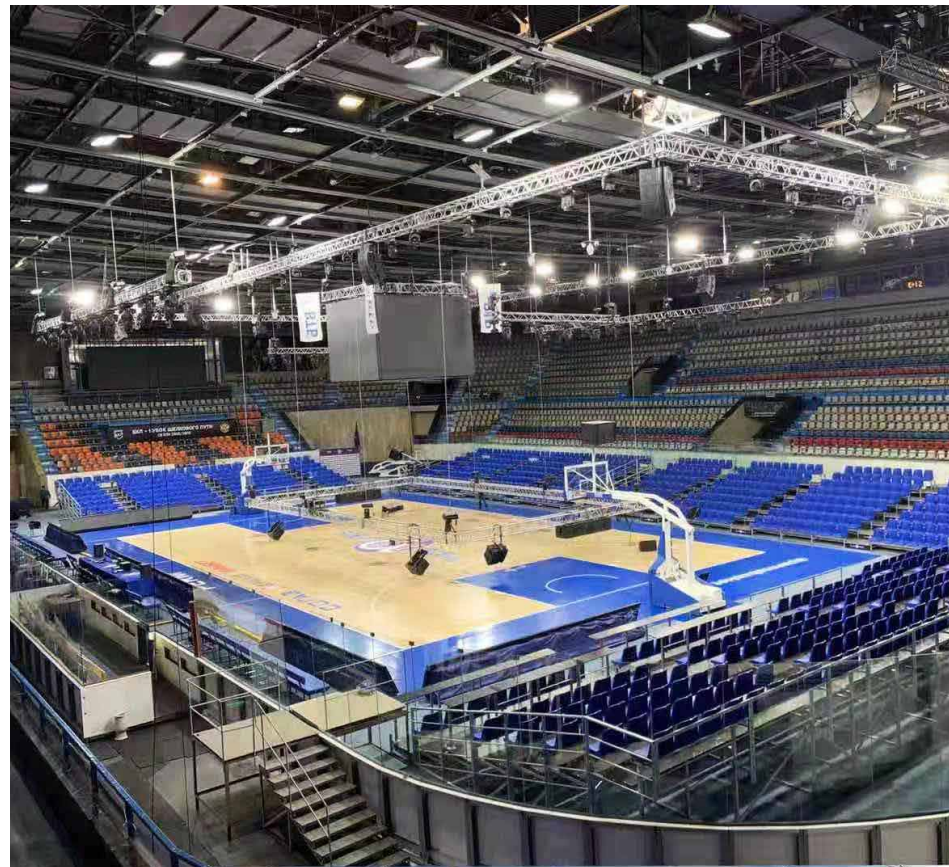




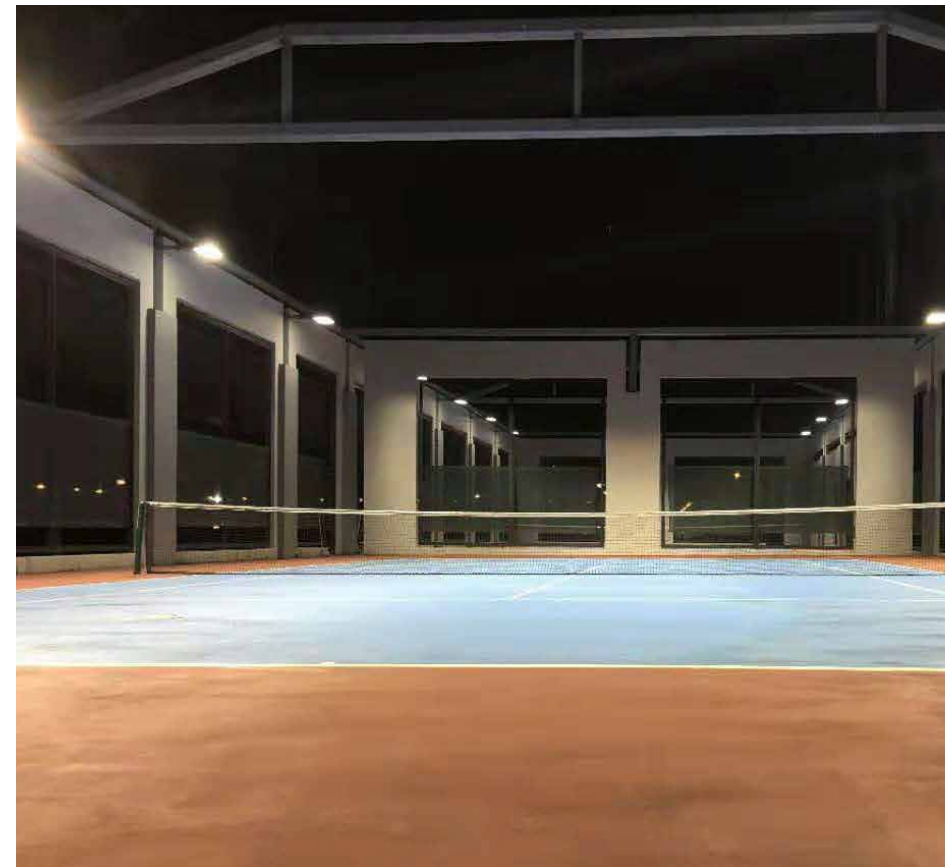
## BEFORE 2000W HID LIGHTS



## AFTER SHINETOO G1 800W LED HIGH MAST LIGHTING

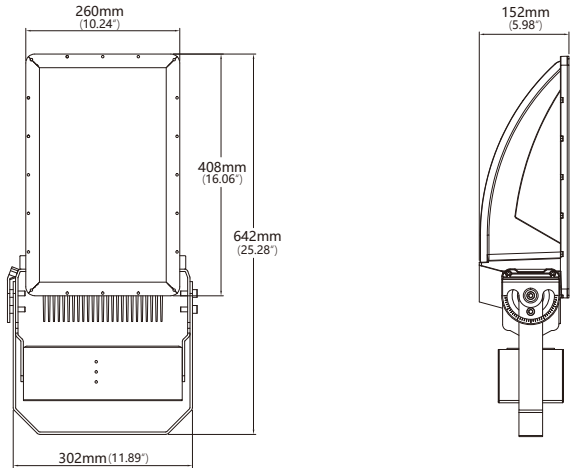


## WITH SHINETOO PATENTED REFLECTOR TECHNOLOGY





# G1-S1 LED HIGH MAST LIGHTING



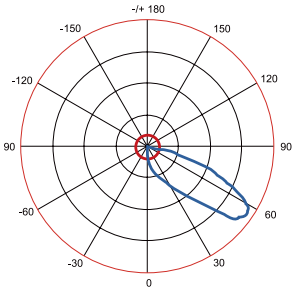
## DESCRIPTION

Shinetoo LED high mast flood lights are ideal solutions for

- Outdoor Sports Fields
- Billboards
- Parking Lots
- Highways
- Industrial Complexes
- Seaports
- Railyards
- Shipping Docks
- Container Yards
- Ferry Terminals
- Prisons, etc.

Our asymmetric indirect anti-glare design delivers maintenance-free and professional flood lighting with a great return on investment.

## PHOTOMETRICS



## FEATURES

### Optics

Our asymmetric lighting distribution is uniquely designed to reduce glare while controlling the overflow of light with the use of indirect LED lighting technology. A 5 mm tempered glass lens is used to protect the LED cavity.

### Housing

The thin profile, low copper die cast aluminum housing minimizes wind load. Powder coated inside and outside protects the housing from all types of weather.

### Warranty

7 years warranty.

### Reflector

The internal indirect reflector has a high reflectivity of 98%. Our V series reflector uses the latest PVD technology.

### Mounting

Fixtures comes standard with U-Bracket. Pipe slip fitter and yolk mounts are available upon request and will require MOQ. Custom mounting options can be made according to customer's specifications, MOQ will apply.

### Replacement

100W LED = 250W HID / MH / HPS  
150W LED = 400W HID / MH / HPS  
200W LED = 500W HID / MH / HPS

### Efficiency

3000k – 120 lumens per watt  
4000k – 125 lumens per watt  
5000k – 130 lumens per watt

### Surge Protection

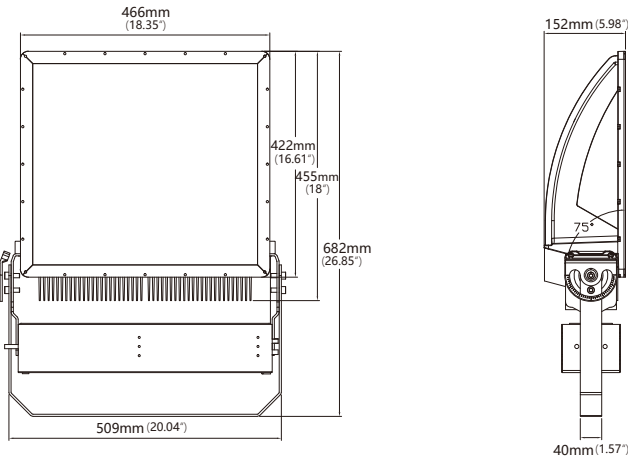
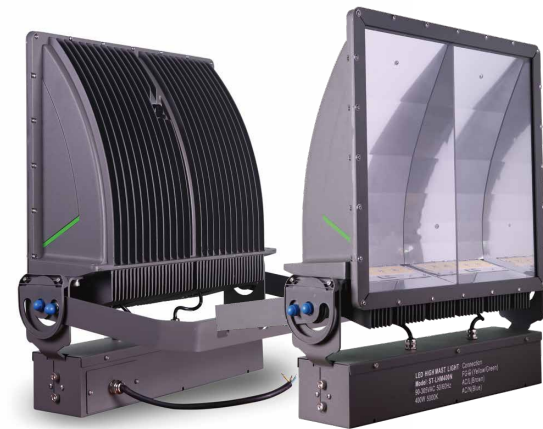
Built-in 10kV surge protection module is used to prevent fixture damage in the event of an excessive voltage surge, i.e. lightning or transformer malfunction. Optional 20kV surge protection module available upon request.

### Electric System

Class I system  
Standard input voltage: 100 - 277VAC 50/60 Hz  
Optional high voltage: 180 - 528VAC 50/60 Hz  
Total harmonic distortion: <20%  
Power factor: > 0.9

MODEL NUMBER	ST-LHM100N	ST-LHM150N	ST-LHM200N	—	—
LED LIGHT SOURCE	NICHIA	NICHIA	NICHIA	—	—
DRIVER	Meanwell	Meanwell	Meanwell	—	—
LUMEN OUTPUT@5000K	13,000LM	19,500LM	26,000LM	—	—
SYSTEM WATTAGE	100W	150W	200W	—	—
LPW	130-140LM / W	130-140LM / W	130-140LM / W	—	—
CRI	70 / 80RA	70 / 80RA	70 / 80RA	—	—
INPUT VOLTAGE (LOW VOLTAGE TYPICAL)	100-277VAC, 50/60Hz	100-277VAC, 50/60Hz	100-277VAC, 50/60Hz	—	—
INPUT VOLTAGE (HIGH VOLTAGE OPTIONAL)	180-528VAC, 50/60Hz	180-528VAC, 50/60Hz	180-528VAC, 50/60Hz	—	—
OPERATING TEMPERATURE	-40°C to 50°C / -104°F to 122°F	-40°C to 50°C / -104°F to 122°F	-40°C to 50°C / -104°F to 122°F	—	—
IP RATING	IP65/ IP66	IP65/ IP66	IP65/ IP66	—	—
SURGE PROTECTOR	10kV / 20kV	10kV / 20kV	10kV / 20kV	—	—
LIFE TIME	50,000 hours	50,000 hours	50,000 hours	—	—
CCT	2,700K-7,000K	2,700K-7,000K	2,700K-7,000K	—	—
WEIGHT	23.54 lbs / 10.7kg	23.76 lbs / 10.8kg	23.98 lbs / 10.9kg	—	—

# G1-S2 LED HIGH MAST LIGHTING



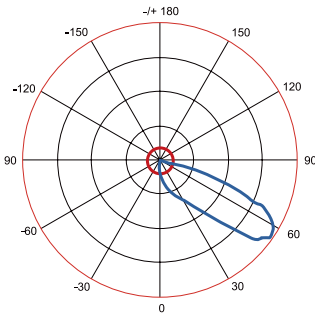
## DESCRIPTION

Shineto LED high mast flood lights are ideal solutions for

- Outdoor Sports Fields
- Billboards
- Parking Lots
- Highways
- Industrial Complexes
- Seaports
- Railyards
- Shipping Docks
- Container Yards
- Ferry Terminals
- Prisons, etc.

Our asymmetric indirect anti-glare design delivers maintenance-free and professional flood lighting with a great return on investment.

## PHOTOMETRICS



## FEATURES

### Optics

Our asymmetric lighting distribution is uniquely designed to reduce glare while controlling the overflow of light with the use of indirect LED lighting technology. A 5 mm tempered glass lens is used to protect the LED cavity.

### Housing

The thin profile, low copper die cast aluminum housing minimizes wind load. Powder coated inside and outside protects the housing from all types of weather.

### Warranty

7 years warranty.

### Reflector

The internal indirect reflector has a high reflectivity of 98%. Our V series reflector uses the latest PVD technology.

### Mounting

Fixtures comes standard with U-Bracket. Pipe slip fitter and yolk mounts are available upon request and will require MOQ. Custom mounting options can be made according to customer's specifications, MOQ will apply.

### Replacement

300W LED = 800W HID / MH / HPS  
400W LED = 1000W HID / MH / HPS

### Efficiency

3000k – 120 lumens per watt  
4000k – 125 lumens per watt  
5000k – 130 lumens per watt

### Surge Protection

Built-in 10kV surge protection module is used to prevent fixture damage in the event of an excessive voltage surge, i.e. lightning or transformer malfunction. Optional 20kV surge protection module available upon request.

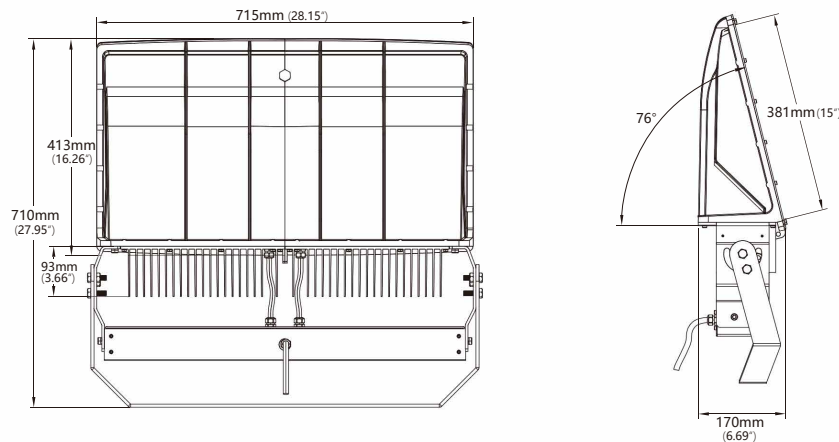
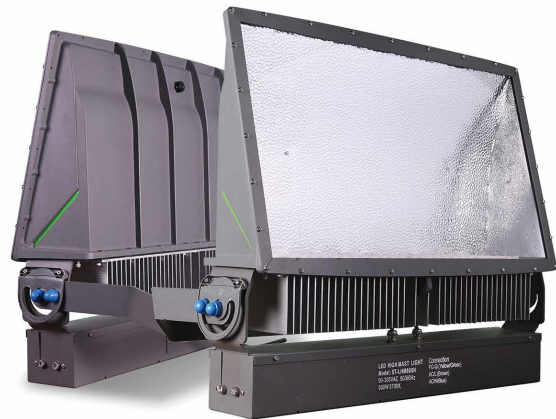
### Electric System

Class I system  
Standard input voltage: 100 - 277VAC 50/60 Hz  
Optional high voltage: 180 - 528VAC 50/60 Hz  
Total harmonic distortion: <20%  
Power factor: > 0.9

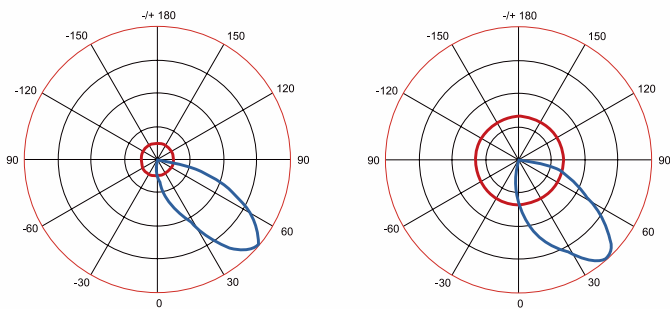
MODEL NUMBER	ST-LHM300N	ST-LHM400N	—	—	—
LED LIGHT SOURCE	NICHIA	NICHIA	—	—	—
DRIVER	Meanwell	Meanwell	—	—	—
LUMEN OUTPUT@5000K	39,000LM	52,000LM	—	—	—
SYSTEM WATTAGE	300W	400W	—	—	—
LPW	130-140LM / W	130-140LM / W	—	—	—
CRI	70 / 80RA	70 / 80RA	—	—	—
INPUT VOLTAGE (LOW VOLTAGE TYPICAL)	100-277VAC, 50/60Hz	100-277VAC, 50/60Hz	—	—	—
INPUT VOLTAGE (HIGH VOLTAGE OPTIONAL)	180-528VAC, 50/60Hz	180-528VAC, 50/60Hz	—	—	—
OPERATING TEMPERATURE	-40°C to 50°C / -104°F to 122°F	-40°C to 50°C / -104°F to 122°F	—	—	—
IP RATING	IP65/ IP66	IP65/ IP66	—	—	—
SURGE PROTECTOR	10kV / 20kV	10kV / 20kV	—	—	—
LIFE TIME	50,000 hours	50,000 hours	—	—	—
CCT	2,700K-7,000K	2,700K-7,000K	—	—	—
WEIGHT	42.9 lbs / 19.5kg	47.3 lbs / 21.5kg	—	—	—



# G1-S3 LED HIGH MAST LIGHTING



## PHOTOMETRICS



## DESCRIPTION

Shinetoo LED high mast flood lights are ideal solutions for

- Outdoor Sports Fields
- Billboards
- Parking Lots
- Highways
- Industrial Complexes
- Seaports
- Railyards
- Shipping Docks
- Container Yards
- Ferry Terminals
- Prisons, etc.

Our asymmetric indirect anti-glare design delivers maintenance-free and professional flood lighting with a great return on investment.

## FEATURES

### Optics

Our asymmetric lighting distribution is uniquely designed to reduce glare while controlling the overflow of light with the use of indirect LED lighting technology. A 5 mm tempered glass lens is used to protect the LED cavity.

### Housing

The thin profile, low copper die cast aluminum housing minimizes wind load. Powder coated inside and outside protects the housing from all types of weather.

### Warranty

7 years warranty.

### Reflector

The internal indirect reflector has a high reflectivity of 98%. Our V series reflector uses the latest PVD technology.

### Mounting

Fixtures comes standard with U-Bracket. Pipe slip fitter and yolk mounts are available upon request and will require MOQ. Custom mounting options can be made according to customer's specifications, MOQ will apply.

### Replacement

500W LED = 1200W HID / MH / HPS 600W LED = 1500W HID / MH / HPS  
800W LED = 2000W HID / MH / HPS

### Efficiency

3000k – 120 lumens per watt  
4000k – 125 lumens per watt  
5000k – 130 lumens per watt

### Surge Protection

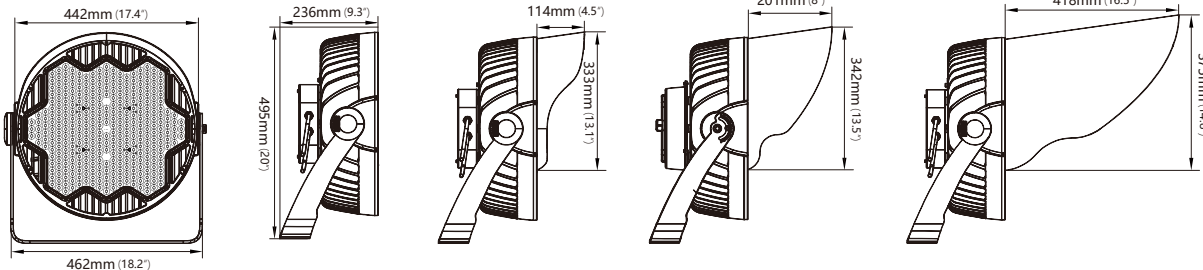
Built-in 10kV surge protection module is used to prevent fixture damage in the event of an excessive voltage surge, i.e. lightning or transformer malfunction. Optional 20kV surge protection module available upon request.

### Electric System

Class I system  
Standard input voltage: 100 - 277VAC 50/60 Hz  
Optional high voltage: 180 - 528VAC 50/60 Hz  
Total harmonic distortion: <20%  
Power factor: > 0.9

MODEL NUMBER	ST-LHM500N	ST-LHM600N	ST-LHM800N	—	—
LED LIGHT SOURCE	NICHIA	NICHIA	NICHIA	—	—
DRIVER	Meanwell	Meanwell	Meanwell	—	—
LUMEN OUTPUT@5000K	65,000LM	78,000LM	104,000LM	—	—
SYSTEM WATTAGE	500W	600W	800W	—	—
LPW	130-140LM / W	130-140LM / W	130-140LM / W	—	—
CRI	70 / 80RA	70 / 80RA	70 / 80RA	—	—
INPUT VOLTAGE (LOW VOLTAGE TYPICAL)	100-277VAC, 50/60Hz	100-277VAC, 50/60Hz	100-277VAC, 50/60Hz	—	—
INPUT VOLTAGE (HIGH VOLTAGE OPTIONAL)	180-528VAC, 50/60Hz	180-528VAC, 50/60Hz	180-528VAC, 50/60Hz	—	—
OPERATING TEMPERATURE	-40°C to 50°C / -104°F to 122°F	-40°C to 50°C / -104°F to 122°F	-40°C to 50°C / -104°F to 122°F	—	—
IP RATING	IP65/ IP66	IP65/ IP66	IP65/ IP66	—	—
SURGE PROTECTOR	10kV / 20kV	10kV / 20kV	10kV / 20kV	—	—
LIFE TIME	50,000 hours	50,000 hours	50,000 hours	—	—
CCT	2,700K-7,000K	2,700K-7,000K	2,700K-7,000K	—	—
WEIGHT	70.4 lbs / 32kg	74.25 lbs / 33.75kg	74.36 lbs / 33.8kg	—	—

# G2 LED STADIUM LIGHTING

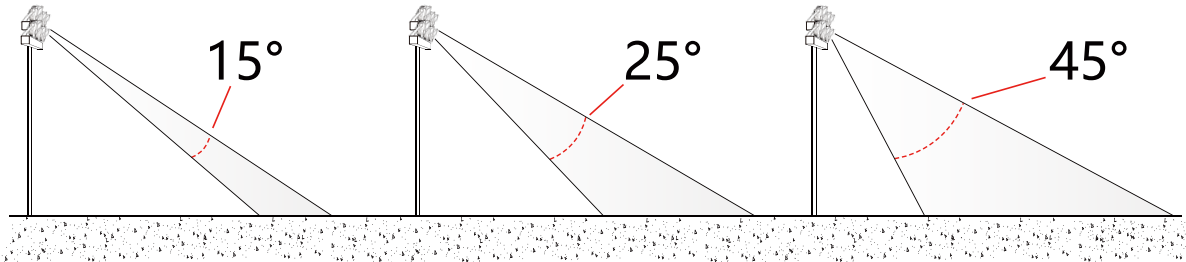


## DESCRIPTION

Shinetoo LED Stadium Lighting is specially designed for

- Stadium
- Other Outdoor Sports Fields
- Courts
- Arenas
- Golf Courses, etc

This luminaire delivers maintenance-free, professional area flood lighting with great return on investment.



• Different Beam Angles Available

## FEATURES

- Very low windage area (EPA)
- Only 17.4 inches (442mm) in diameter can easily replace HID / MH / HPS fixtures on existing poles, wiring and mounting arms
- One PCB board design, better glare control with our quality Lens
- Light weight design ensures less force on poles
- Unique hollow design for excellent heat dissipation

### Driver

Meanwell / Inventronics LED drivers designed for ultra-high efficiency, high input voltage, thermal protection for LED module, output lumen compensation, and high surge protection.

### Optics

High quality PC lens, UV resistance.

### Replacement

500W LED = 1000W HID / MH / HPS  
600W LED = 1200W HID / MH / HPS  
800W LED = 1500W HID / MH / HPS  
1000W LED = 2000W HID / MH / HPS  
1200W LED = 2000W HID / MH / HPS

### LEDs

Nichia / Osram LED chips with superior stability for long life span 100,000 hours, high density LM80.

### Housing

Low copper die casting aluminum housing ensures excellent heat dissipation. Powder coated inside and out protects the housing from all types of weather.

### Weatherproof

Standard with IP 65, IP 66 can be customized.

### Warranty

Standard with 5 years warranty, 7 / 10 years warranty optional .

### Mounting

Fixtures comes standard with U-Bracket. Pipe slip fitter and yolk mounts are available upon request and will require MOQ. Custom mounting options can be made according to customer's specifications, MOQ will apply.

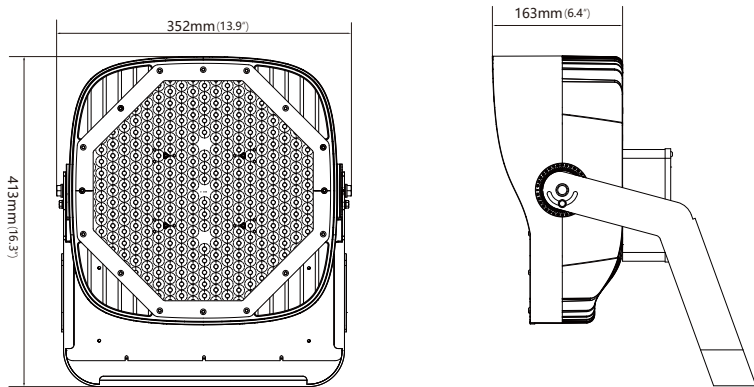
### Surge Protection

Built-in 10kV surge protection module is used to prevent fixture damage in the event of an excessive voltage surge, i.e. lightning or transformer malfunction. Optional 20kV surge protection module available upon request.

MODEL NUMBER	ST-RSL500N	ST-RSL600N	ST-RSL800N	ST-RSL1000N	ST-RSL1200N
LED LIGHT SOURCE	NICHIA / OSRAM	NICHIA / OSRAM	NICHIA / OSRAM	NICHIA / OSRAM	NICHIA / OSRAM
DRIVER	Meanwell / Inventronics	Meanwell / Inventronics	Meanwell / Inventronics	Meanwell / Inventronics	Meanwell / Inventronics
LUMEN OUTPUT@5000K	60,000LM	72,000LM	96,000LM	120,000LM	144,000LM
SYSTEM WATTAGE	500W	600W	800W	1000W	1200W
LPW	120LM / W	120LM / W	120LM / W	120LM / W	120LM / W
CRI	70 / 80RA	70 / 80RA	70 / 80RA	70 / 80RA	70 / 80RA
INPUT VOLTAGE (LOW VOLTAGE TYPICAL)	100-277VAC, 50/60Hz	100-277VAC, 50/60Hz	100-277VAC, 50/60Hz	100-277VAC, 50/60Hz	100-277VAC, 50/60Hz
INPUT VOLTAGE (HIGH VOLTAGE OPTIONAL)	180-528VAC, 50/60Hz	180-528VAC, 50/60Hz	180-528VAC, 50/60Hz	180-528VAC, 50/60Hz	180-528VAC, 50/60Hz
OPERATING TEMPERATURE	-40°C to 50°C / -104°F to 122°F	-40°C to 50°C / -104°F to 122°F	-40°C to 50°C / -104°F to 122°F	-40°C to 50°C / -104°F to 122°F	-40°C to 50°C / -104°F to 122°F
IP RATING	IP65 / IP66	IP65 / IP66	IP65 / IP66	IP65 / IP66	IP65 / IP66
SURGE PROTECTOR	10kV / 20kV	10kV / 20kV	10kV / 20kV	10kV / 20kV	10kV / 20kV
LIFE TIME	50,000 hours	50,000 hours	50,000 hours	50,000 hours	50,000 hours
CCT	2,700K-7,000K	2,700K-7,000K	2,700K-7,000K	2,700K-7,000K	2,700K-7,000K
WEIGHT	52.8lbs / 24kg (Remote Driver) 63.8lbs / 29kg (Whole Fixtures)	53lbs / 24.11kg (Remote Driver) 66lbs / 30kg (Whole Fixtures)	53lbs / 24.13kg (Remote Driver) 71.6lbs / 32.55kg (Whole Fixtures)	63.13lbs / 24.15kg (Remote Driver) 78.87lbs / 35.85kg (Whole Fixtures)	53.46lbs / 24.3kg (Remote Driver) 79.2lbs / 36kg (Whole Fixtures)



# G4 LED STADIUM LIGHTING

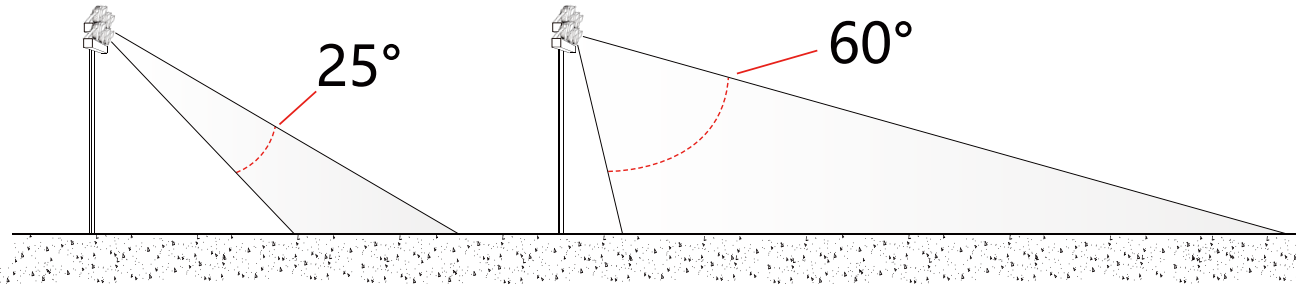


## DESCRIPTION

Shinetoo LED Stadium Lighting is specially designed for

- Stadium
- Other Outdoor Sports Fields
- Courts
- Arenas
- Golf Courses, etc

This luminaire delivers maintenance-free, professional area flood lighting with great return on investment.



• Different Beam Angles Available

## FEATURES

- Very low windage area (EPA)
- Only 13.9 inches (352mm) in diameter can easily replace HID / MH / HPS fixtures on existing poles, wiring and mounting arms
- Glare control with our quality Lens
- Light weight design ensures less force on poles
- Unique hollow design for excellent heat dissipation

### Driver

Meanwell / Inventronics LED drivers designed for ultra-high efficiency, high input voltage, thermal protection for LED module, output lumen compensation, and high surge protection.

### Optics

High quality PC lens, UV resistance.

### Replacement

300W LED = 800W HID / MH / HPS  
400W LED = 1000W HID / MH / HPS  
500W LED = 1200W HID / MH / HPS  
600W LED = 1500W HID / MH / HPS

### Mounting

Fixtures comes standard with U-Bracket. Pipe slip fitter and yolk mounts are available upon request and will require MOQ. Custom mounting options can be made according to customer's specifications, MOQ will apply.

### Surge Protection

Built-in 10kV surge protection module is used to prevent fixture damage in the event of an excessive voltage surge, i.e. lightning or transformer malfunction. Optional 20kV surge protection module available upon request.

### LEDs

Nichia / Osram LED chips with superior stability for long life span 100,000 hours, high density LM80.

### Housing

Low copper die casting aluminum housing ensures excellent heat dissipation. Powder coated inside and out protects the housing from all types of weather.

### Weatherproof

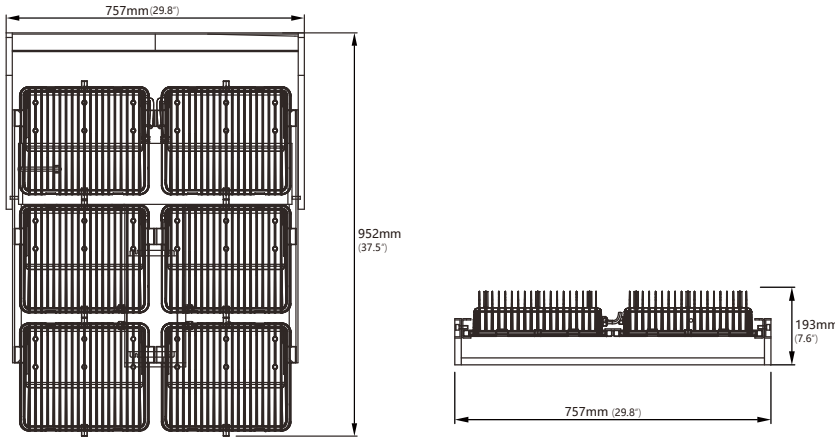
Standard with IP 65, IP 66 can be customerized.

### Warranty

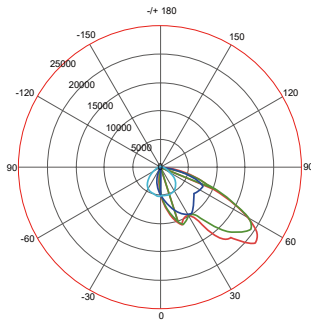
Standard with 5 years warranty, 7 / 10 years warranty optional .

MODEL NUMBER	ST-RSL300S	ST-RSL400S	ST-RSL500S	ST-RSL600S	—
LED LIGHT SOURCE	NICHIA / OSRAM	NICHIA / OSRAM	NICHIA / OSRAM	NICHIA / OSRAM	—
DRIVER	Meanwell / Inventronics	Meanwell / Inventronics	Meanwell / Inventronics	Meanwell / Inventronics	—
LUMEN OUTPUT@5000K	36,000LM	48,000LM	60,000LM	72,000LM	—
SYSTEM WATTAGE	300W	400W	500W	600W	—
LPW	120LM / W	120LM / W	120LM / W	120LM / W	—
CRI	70 / 80RA	70 / 80RA	70 / 80RA	70 / 80RA	—
INPUT VOLTAGE (LOW VOLTAGE TYPICAL)	100-277VAC, 50/60Hz	100-277VAC, 50/60Hz	100-277VAC, 50/60Hz	100-277VAC, 50/60Hz	—
INPUT VOLTAGE (HIGH VOLTAGE OPTIONAL)	180-528VAC, 50/60Hz	180-528VAC, 50/60Hz	180-528VAC, 50/60Hz	180-528VAC, 50/60Hz	—
OPERATING TEMPERATURE	-40°C to 50°C / -104°F to 122°F	-40°C to 50°C / -104°F to 122°F	-40°C to 50°C / -104°F to 122°F	-40°C to 50°C / -104°F to 122°F	—
IP RATING	IP65 / IP66	IP65 / IP66	IP65 / IP66	IP65 / IP66	—
SURGE PROTECTOR	10kV / 20kV	10kV / 20kV	10kV / 20kV	10kV / 20kV	—
LIFE TIME	50,000 hours	50,000 hours	50,000 hours	50,000 hours	—
CCT	2,700K-7,000K	2,700K-7,000K	2,700K-7,000K	2,700K-7,000K	—
WEIGHT	20.9lbs / 9.5kg (Remote Driver) 27.5lbs / 12.5kg (Whole Fixtures)	20.9lbs / 9.5kg (Remote Driver) 27.9lbs / 13.5kg (Whole Fixtures)	20.9lbs / 9.5kg (Remote Driver) 34.1lbs / 15.5kg (Whole Fixtures)	20.9lbs / 9.5kg (Remote Driver) 34.1lbs / 15.5kg (Whole Fixtures)	—

# G3 LED HIGH MAST LIGHTING



## PHOTOMETRICS



## DESCRIPTION

Shineto G3 LED high mast is a modular flood light with flexible solutions for

- Different Sports Fields
- Stadiums
- Arenas
- Parking Lots
- Golf Courses
- Airports
- Seaports
- Railyards
- Shipping Docks, etc.

Asymmetric indirect system, easy to maintenance with high performance.

## FEATURES

- Very low windage area (EPA)
- Offer various wattages to replace HID / MH / HPS
- Full cutoff lighting
- Minimal spill light
- indirect asymmetric design system to minimize the glare
- High tech reflector controlling the best uniform level
- Wide applications with high performance

### Driver

Meanwell / Inventronics.

### LEDs

Original Nichia 319B , Super stable with long life, high density LM80>100,000 hours.

### Mounting

Fixtures comes standard with U-Bracket. Pipe slip fitter and yolk mounts are available upon request and will require MOQ. Custom mounting options can be made according to customer's specifications, MOQ will apply.

### WEATHERPROOF

Standard with IP 65, IP 66 can be customerized.

### Housing

Low copper die casting aluminum housing ensures excellent heat dissipation. Powder coated inside and out protects the housing from all types of weather.

### Protection Cover

Tempered optical glass with high transmittance, low internal reflectance, environmental and UV durability.

### Optics

Unique reflector system, indirect asymmetric design while minimizing light loss, glare and spill light.

### Surge Protection

Built-in 10kV surge protection module is used to prevent fixture damage in the event of an excessive voltage surge, i.e. lightning or transformer malfunction. Optional 20kV surge protection module available upon request.

### Warranty

5 years warranty.

### Replacement

200W LED =500W HID / MH /HPS	300W LED = 750W HID / MH / HPS	400W LED =800W HID / MH /HPS
500W LED = 1000W HID / MH / HPS	600W LED = 1200W HID / MH / HPS	800W LED = 1500W HID / MH / HPS
1000W LED = 2000W HID / MH / HPS	1200W LED = 2000W HID / MH / HPS	1400W LED =2000W HID / MH / HPS

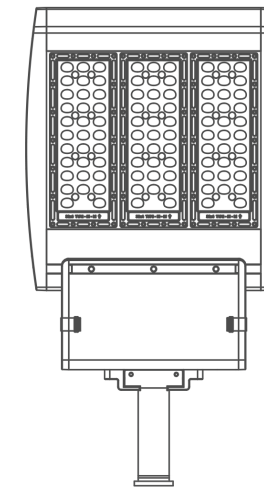
MODEL NUMBER	ST-G3LHM200N	ST-G3LHM300N	ST-G3LHM400N	ST-G3LHM500N	ST-G3LHM600N	ST-G3LHM800N	ST-G3LHM1000N	ST-G3LHM1200N	ST-G3LHM1400N
LED LIGHT SOURCE	NICHIA	NICHIA	NICHIA	NICHIA	NICHIA	NICHIA	NICHIA	NICHIA	NICHIA
DRIVER	Meanwell / Inventronics	Meanwell / Inventronics	Meanwell / Inventronics	Meanwell / Inventronics	Meanwell / Inventronics	Meanwell / Inventronics	Meanwell / Inventronics	Meanwell / Inventronics	Meanwell / Inventronics
LUMEN OUTPUT@5000K	24,000LM	36,000LM	48,000LM	60,000LM	72,000LM	96,000LM	120,000LM	144,000LM	168,000LM
SYSTEM WATTAGE	200W	300W	400W	500W	600W	800W	1000W	1200W	1400W
LPW	100-120LM / W	100-120LM / W	100-120LM / W	100-120LM / W	100-120LM / W	100-120LM / W	100-120LM / W	100-120LM / W	100-120LM / W
CRI	70 / 80RA	70 / 80RA	70 / 80RA	70 / 80RA	70 / 80RA	70 / 80RA	70 / 80RA	70 / 80RA	70 / 80 RA
INPUT VOLTAGE (LOW VOLTAGE TYPICAL)	100-277VAC, 50/60Hz	100-277VAC, 50/60Hz	100-277VAC, 50/60Hz	100-277VAC, 50/60Hz	100-277VAC, 50/60Hz	100-277VAC, 50/60Hz	100-277VAC, 50/60Hz	100-277VAC, 50/60Hz	100-277VAC, 50/60Hz
INPUT VOLTAGE (HIGH VOLTAGE OPTIONAL)	180-528VAC, 50/60Hz	180-528VAC, 50/60Hz	180-528VAC, 50/60Hz	180-528VAC, 50/60Hz	180-528VAC, 50/60Hz	180-528VAC, 50/60Hz	180-528VAC, 50/60Hz	180-528VAC, 50/60Hz	180-528VAC, 50/60Hz
OPERATING TEMPERATURE	-40°C to 50°C -104°F to 122°F	-40°C to 50°C -104°F to 122°F	-40°C to 50°C -104°F to 122°F	-40°C to 50°C -104°F to 122°F	-40°C to 50°C -104°F to 122°F	-40°C to 50°C -104°F to 122°F	-40°C to 50°C -104°F to 122°F	-40°C to 50°C -104°F to 122°F	-40°C to 50°C -104°F to 122°F
IP RATING	IP65 / IP66	IP65 / IP66	IP65 / IP66	IP65 / IP66	IP65 / IP66	IP65 / IP66	IP65 / IP66	IP65 / IP66	IP65 / IP66
SURGE PROTECTOR	10kV / 20kV	10kV / 20kV	10kV / 20kV	10kV / 20kV	10kV / 20kV	10kV / 20kV	10kV / 20kV	10kV / 20kV	10kV / 20kV
LIFE TIME	50,000 hours	50,000 hours	50,000 hours	50,000 hours	50,000 hours	50,000 hours	50,000 hours	50,000 hours	50,000 hours
CCT	2,700K-7,000K	2,700K-7,000K	2,700K-7,000K	2,700K-7,000K	2,700K-7,000K	2,700K-7,000K	2,700K-7,000K	2,700K-7,000K	2,700K-7,000K
WEIGHT	19.8 lbs / 9kg	35.22 lbs / 16.01kg	36 lbs / 16.34kg	39.86 lbs / 18.12kg	39.99 lbs / 18.18kg	46.77 lbs / 21.26kg	49.19 lbs / 22.36kg	70.66 lbs / 32.12kg	70.95 lbs / 32.25kg





# GENERAL LIGHTING

# SHINETOO





# — GENERAL LIGHTING —



• LED Shoebox Lighting

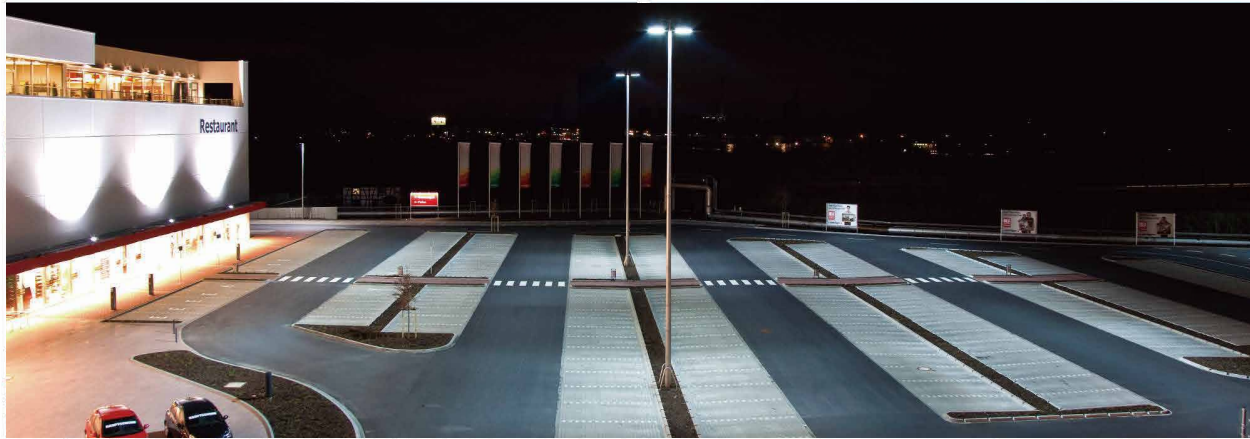
70W 100W 150W 200W 240W 300W



• LED Wall Pack

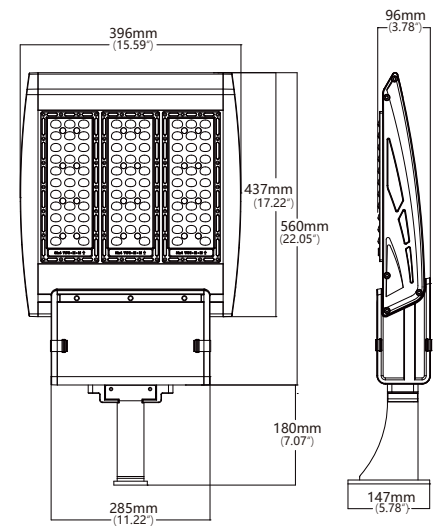
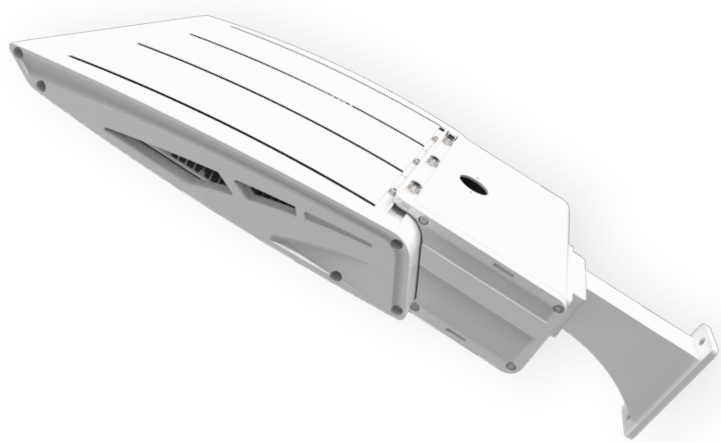
30W 45W 60W 75W 90W 120W

# PROJECTS FOR GENERAL LIGHTING

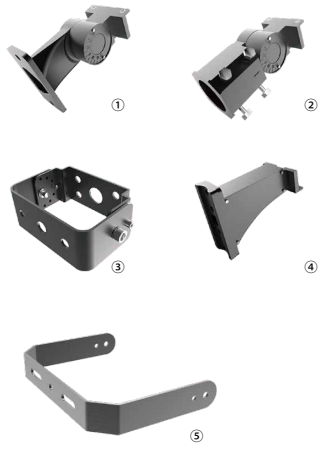




# LED SHOEBOX LIGHTING



## MOUNTING OPTIONS



## FEATURES

- Unique design, excellent heat dissipation and minimal wind load
- Various mounting options, standard with slip fitter, U-Bracket and Wall mounting available
- 10kV / 20kV surge protection available
- Perfect replacement for 200-1000W HID / MH / HPS

### Driver

Moons.

### LEDs

Cree.

### Housing

Die casting aluminum housing and extrusion aluminum heatsink ensure excellent heat dissipation. Powder coated protects the housing from all types of weather.

### Mounting

Fixtures comes standard with slip fitter, U-Bracket and yolk mounts are available upon request and will require MOQ. Custom mounting options can be made according to customer's specifications, MOQ will apply.

### Surge Protection

Customized 10kV surge protection module is used to prevent fixture damage in the event of an excessive voltage surge, i.e. lightning or transformer malfunction. Optional 20kV surge protection module available upon request.

### Maintaince

Toolless design guarantees easy to maintain.

### Replacement

70W LED = 175W HID / MH / HPS  
100W LED = 250W HID / MH / HPS  
150W LED = 400W HID / MH / HPS  
200W LED = 500W HID / MH / HPS  
240W LED = 600W HID / MH / HPS  
300W LED = 800W HID / MH / HPS

### Electric System

Class I system  
Standard input voltage: 100 - 277VAC 50/60 Hz  
Optional high voltage: 180 - 528VAC 50/60 Hz  
Total harmonic distortion: <20%  
Power factor: > 0.9

### Warranty

5 years warranty.

MODEL NUMBER	ST-LAL70W	ST-LAL100W	ST-LAL150W	ST-LAL200W	ST-LAL240W	ST-LAL300W
LED LIGHT SOURCE	CREE	CREE	CREE	CREE	CREE	CREE
DRIVER	Moons	Moons	Moons	Moons	Moons	Moons
LUMEN OUTPUT@5000K	9,800LM	14,000LM	21,000LM	28,000LM	33,600LM	42,000LM
SYSTEM WATTAGE	70W	100W	150W	200W	240W	300W
LPW	140LM / W	140LM / W	140LM / W	140LM / W	140LM / W	140LM / W
CRI	70 / 80RA	70 / 80RA	70 / 80RA	70 / 80RA	70 / 80RA	70 / 80RA
INPUT VOLTAGE (LOW VOLTAGE TYPICAL)	100-277VAC, 50/60Hz	100-277VAC, 50/60Hz	100-277VAC, 50/60Hz	100-277VAC, 50/60Hz	100-277VAC, 50/60Hz	100-277VAC, 50/60Hz
INPUT VOLTAGE (HIGH VOLTAGE OPTIONAL)	277-480VAC, 50/60Hz	277-480VAC, 50/60Hz	277-480VAC, 50/60Hz	277-480VAC, 50/60Hz	277-480VAC, 50/60Hz	277-480VAC, 50/60Hz
OPERATING TEMPERATURE	-40°C to 50°C / -104°F to 122°F	-40°C to 50°C / -104°F to 122°F	-40°C to 50°C / -104°F to 122°F	-40°C to 50°C / -104°F to 122°F	-40°C to 50°C / -104°F to 122°F	-40°C to 50°C / -104°F to 122°F
IP RATING	IP65	IP65	IP65	IP65	IP65	IP65
SURGE PROTECTOR	10kV / 20kV	10kV / 20kV	10kV / 20kV	10kV / 20kV	10kV / 20kV	10kV / 20kV
LIFE TIME	50,000 hours	50,000 hours	50,000 hours	50,000 hours	50,000 hours	50,000 hours
CCT	3000K / 4000K / 5000K / 5700K / 6500K	3000K / 4000K / 5000K / 5700K / 6500K	3000K / 4000K / 5000K / 5700K / 6500K	3000K / 4000K / 5000K / 5700K / 6500K	3000K / 4000K / 5000K / 5700K / 6500K	3000K / 4000K / 5000K / 5700K / 6500K
WEIGHT	22.66 lbs / 10.3kg	23.4 lbs / 10.63kg	24.97 lbs / 11.35kg	25.63 lbs / 11.65kg	27 lbs / 12.3kg	28.27 lbs / 12.85kg

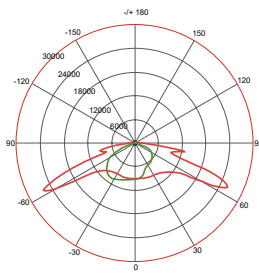
## DESCRIPTION

Shinetoo LED shoebox lights are designed for

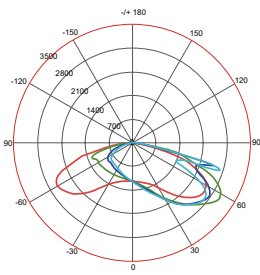
- Parking Lots
- Tennis Courts
- Roadways
- Industrial Complexes, etc.
- Large Areas

Available in wattages from 70W to 300W, the efficacy is up to 140LM/W, Cree LED chips, Moons drivers, heavy duty die casting aluminum, toolless design for easy maintenance.

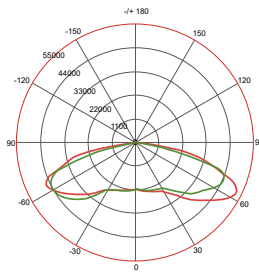
## PHOTOMETRICS



TYPE III

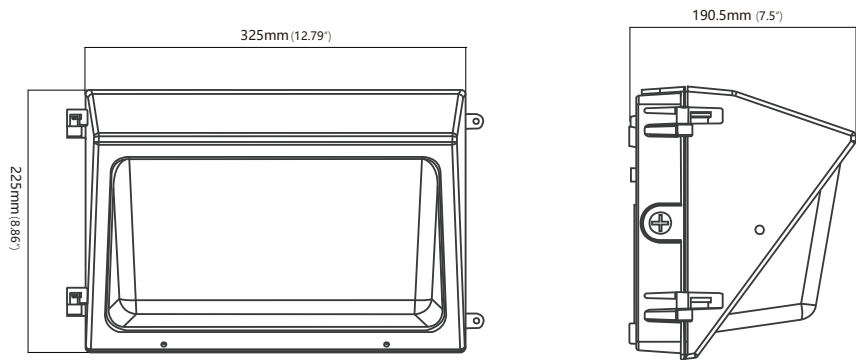


TYPE IV



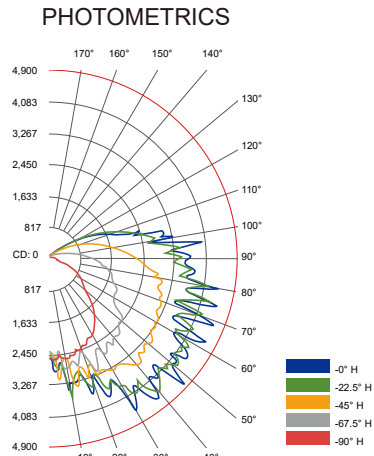
TYPE V

# LED WALL PACK



## DESCRIPTION

Shineto wall packs are the perfect fit for both industrial and commercial lighting applications.



## FEATURES

- Prismatic glass refractor, non yellowish
- 0-10V dimming standard
- DLC Standard

### Optics

High quality Glass.

### Efficiency

3000k – 120 lumens per watt  
4000k – 125 lumens per watt  
5000k – 130 lumens per watt

### Housing

High quality die cast housing.

### Warranty

5 years warranty.

### Maintenance

Toolless design guarantees easy to maintain.

### Replacement

30W LED = 100W HID / MH / HPS  
45W LED = 175W HID / MH / HPS  
60W LED = 250W HID / MH / HPS  
75W LED = 300W HID / MH / HPS  
90W LED = 400W HID / MH / HPS  
120W LED = 500W HID / MH / HPS

### Electric System

Class I system  
Standard input voltage: 100 - 277VAC 50/60 Hz  
Optional high voltage: 180 - 528VAC 50/60 Hz  
Total harmonic distortion: <20%  
Power factor: > 0.9

MODEL NUMBER	WPST30	WPST45	WPST60	WPST75	WPST90	WPST120
LED LIGHT SOURCE	PHILIPS / CREE	PHILIPS / CREE	PHILIPS / CREE	PHILIPS / CREE	PHILIPS / CREE	PHILIPS / CREE
DRIVER	SHINETOO	SHINETOO	SHINETOO	SHINETOO	SHINETOO	SHINETOO
LUMEN OUTPUT@5000K	3,900LM	5,850LM	7,800LM	9,750LM	11,700LM	15,600LM
SYSTEM WATTAGE	30W	45W	60W	75W	90W	120W
LPW	130LM / W	130LM / W	130LM / W	130LM / W	130LM / W	130LM / W
CRI	70 / 80RA	70 / 80RA	70 / 80RA	70 / 80RA	70 / 80RA	70 / 80RA
INPUT VOLTAGE (LOW VOLTAGE TYPICAL)	100-277VAC, 50/60Hz	100-277VAC, 50/60Hz	100-277VAC, 50/60Hz	100-277VAC, 50/60Hz	100-277VAC, 50/60Hz	100-277VAC, 50/60Hz
INPUT VOLTAGE (HIGH VOLTAGE OPTIONAL)	277-480VAC, 50/60Hz	277-480VAC, 50/60Hz	277-480VAC, 50/60Hz	277-480VAC, 50/60Hz	277-480VAC, 50/60Hz	277-480VAC, 50/60Hz
OPERATING TEMPERATURE	-40°C to 50°C / -104°F to 122°F	-40°C to 50°C / -104°F to 122°F	-40°C to 50°C / -104°F to 122°F	-40°C to 50°C / -104°F to 122°F	-40°C to 50°C / -104°F to 122°F	-40°C to 50°C / -104°F to 122°F
IP RATING	IP65	IP65	IP65	IP65	IP65	IP65
SURGE PROTECTOR	10kV	10kV	10kV	10kV	10kV	10kV
LIFE TIME	50,000 hours	50,000 hours	50,000 hours	50,000 hours	50,000 hours	50,000 hours
CCT	2,700K-7,000K	2,700K-7,000K	2,700K-7,000K	2,700K-7,000K	2,700K-7,000K	2,700K-7,000K
WEIGHT	9.24 lbs / 4.2kg	9.57 lbs / 4.35kg	9.68 lbs / 4.4kg	10 lbs / 4.55kg	10.12 lbs / 4.6kg	10.34 lbs / 4.7kg





# INDUSTRIAL LIGHTING

# SHINETOO



# INDUSTRIAL LIGHTING

Shinetao Main Products and New Designs LED Lighting



• LED Linear High Bay-S2

70W (2FT / 4FT)	100W (2FT / 4FT)	120W (2FT / 4FT)
150W (2FT / 4FT)	180W (2FT / 4FT)	200W (2FT / 4FT)
240W (4FT)	300W (4FT)	400W (4FT)

• LED Linear High Bay-S1

100W (2FT / 4FT)	150W (2FT / 4FT)	200W (2FT / 4FT)
240W (2FT / 4FT)	300W (4FT)	400W (4FT)



• STR LED High Bay

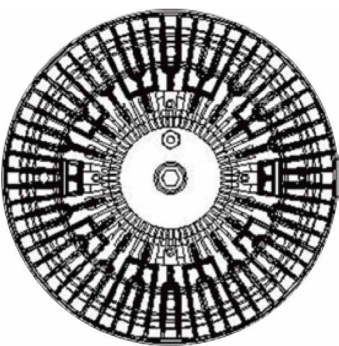
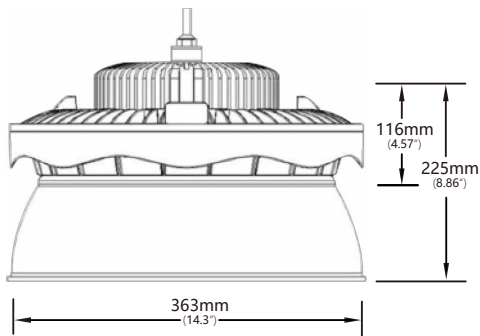
100W	120W	150W	200W
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# PROJECTS FOR INDUSTRIAL LIGHTING





# STR LED HIGH BAY

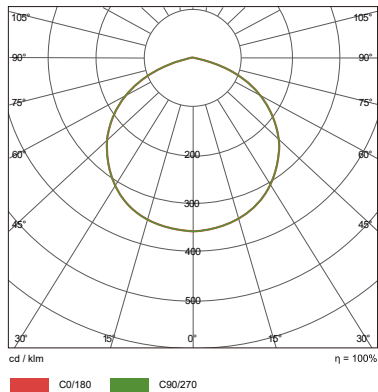
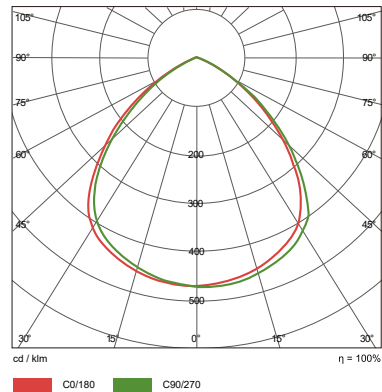


## DESCRIPTION

Shineto STR LED high bay lights are ideal lighting solutions for

- Warehouses
- Factories
- Big Box Retailers
- Sports Retailers
- Gymnasiums
- Food Processing Facilities
- Supermarkets
- Automotive Mechanic Shops
- Car Washes
- Storage Facilities
- Steel Mills, etc.

## PHOTOMETRICS



## FEATURES

•100-277VAC / 180-528VAC, 50/60 Hz •IK08 steel glass •IP65 rated •Wire guard available •Motion sensor / zigbee available •Unique die casting aluminium design •90 / 120 degree beam angle

### Optics

120 Degree and 90 Degree as an option with aluminum reflector.

### Housing

Durable rugged die casting aluminum design ensure the perfect heat dissipation.

### Replacement

100W LED = 250W HID / MH / HPS  
120W LED = 300W HID / MH / HPS  
150W LED = 400W HID / MH / HPS  
200W LED = 500W HID / MH / HPS

### Sensor

Daylight and motion sensor are available for up to 80% energy saving.

### Mounting

Comes standard with a hook for chain/cable mount, optional U-Bracket.

### Electric System

Class I system  
Standard input voltage: 100 - 277VAC 50/60 Hz  
Optional high voltage: 180 - 528VAC 50/60 Hz  
Total harmonic distortion: <20%  
Power factor: > 0.9

### Smart Control

Zigbee / Dali available.

### Driver

Class I Meanwell HBG / HVG, 1-10V Dimming optional.

### Warranty

5 years warranty.

### Optional Accessories

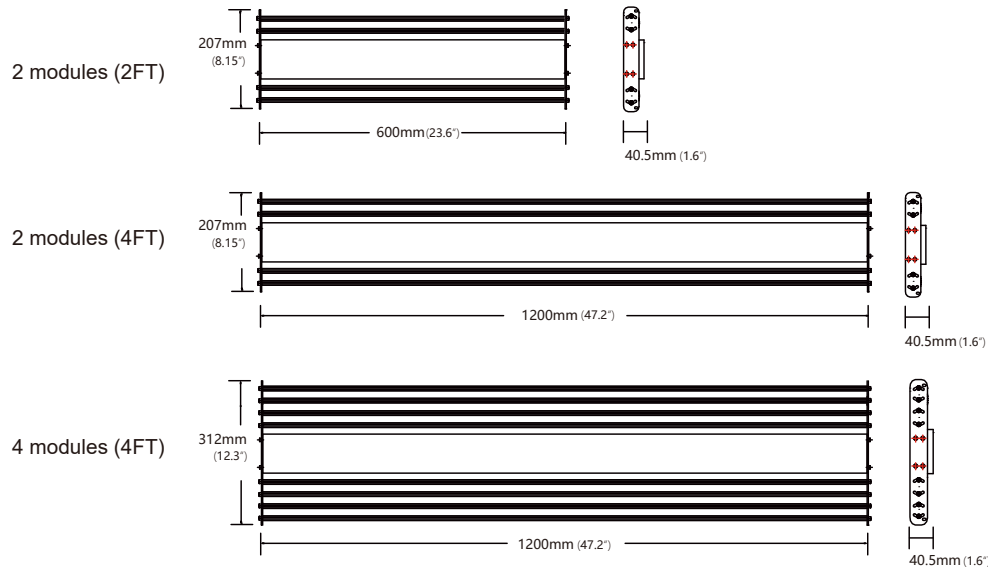
Wire guard and U-Bracket available.

### Diffuser

IK08 tempered glass, comes standard with clear tempered glass, optional frosted tempered glass.

MODEL NUMBER	ST-HBL100N	ST-HBL120N	ST-HBL150N	ST-HBL200N	—
LED LIGHT SOURCE	NICHIA / CREE	NICHIA / CREE	NICHIA / CREE	NICHIA / CREE	—
DRIVER	Meanwell / Shinetoo	Meanwell / Shinetoo	Meanwell / Shinetoo	Meanwell / Shinetoo	—
LUMEN OUTPUT@5000K	13,000LM	15,600LM	19,500LM	26,000LM	—
SYSTEM WATTAGE	100W	120W	150W	200W	—
LPW	130-140LM / W	130-140LM / W	130-140LM / W	130-140LM / W	—
CRI	70 / 80RA	70 / 80RA	70 / 80RA	70 / 80RA	—
INPUT VOLTAGE (LOW VOLTAGE TYPICAL)	100-277VAC, 50/60Hz	100-277VAC, 50/60Hz	100-277VAC, 50/60Hz	100-277VAC, 50/60Hz	—
INPUT VOLTAGE (HIGH VOLTAGE OPTIONAL)	180-528VAC, 50/60Hz	180-528VAC, 50/60Hz	180-528VAC, 50/60Hz	180-528VAC, 50/60Hz	—
OPERATING TEMPERATURE	-40°C to 50°C / -104°F to 122°F	-40°C to 50°C / -104°F to 122°F	-40°C to 50°C / -104°F to 122°F	-40°C to 50°C / -104°F to 122°F	—
IP RATING	IP65	IP65	IP65	IP65	—
LIFE TIME	50,000 hours	50,000 hours	50,000 hours	50,000 hours	—
CCT	2,700K-7,000K	2,700K-7,000K	2,700K-7,000K	2,700K-7,000K	—
WEIGHT	11.8 lbs / 5.37kg	12.1 lbs / 5.5kg	12.87 lbs / 5.85kg	14.74 lbs / 6.7kg	—

# LED LINEAR HIGH BAY-S2

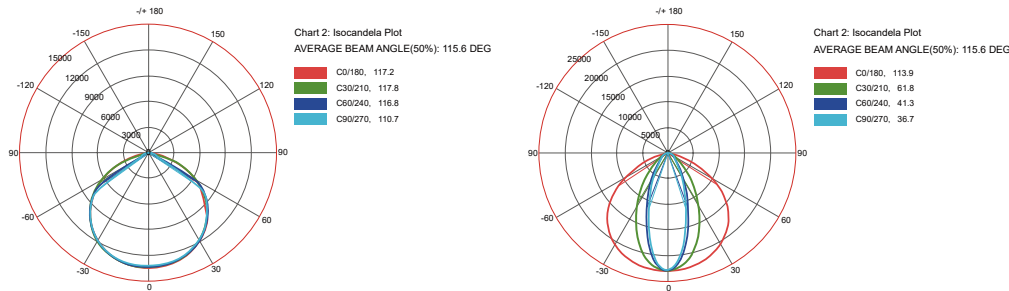


## DESCRIPTION

Shinetoo LED linear high bay S2 is a new unique rotatable module design with wide applications and high performance. Different colors available for the housing, it is ideal for

- Warehouse
- Industrial
- Commercial
- Manufacturing Facilities, etc.

## PHOTOMETRICS



## FEATURES

- Unique lighting distribution for warehouse shelving
- Asymmetric and 120 Degree available
- Dimming as optional to maximize energy saving
- Perfect replacement for 250W-1000W HID / MH / HPS
- Optics: Asymmetric / 120 Degree
- Standard with IP 20, IP 65 can be customized

### Optics

Asymmetrical and wide  
120 degree beam angle optional.

### Sensor

Motion sensor.

### Smart Control

Zigbee / Dali available.

### Optional Accessories

Wire guard and  
U-Bracket available.

### Housing

Extrusion aluminum.

### Mounting

Pendant / Surface mount.

### Driver

1-10V Dimming optional.

### Diffuser

High strength and high  
light transmission PC.

### Replacement

70W LED = 200W HID / MH / HPS  
120W LED = 300W HID / MH / HPS  
180W LED = 500W HID / MH / HPS  
240W LED = 800W HID / MH / HPS  
400W LED = 1000W HID / MH / HPS

100W LED = 250W HID / MH / HPS  
150W LED = 400W HID / MH / HPS  
200W LED = 600W HID / MH / HPS  
300W LED = 1000W HID / MH / HPS

### Warranty

5 years warranty.

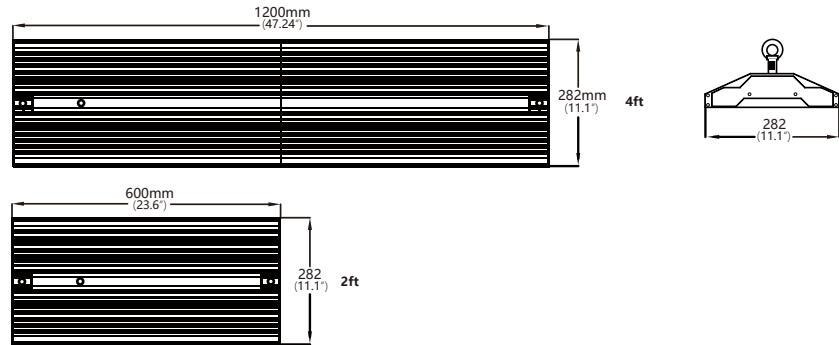
### Electric System

Class I system  
Standard input voltage: 100 - 277VAC 50/60 Hz  
Optional high voltage: 180 - 528VAC 50/60 Hz  
Total harmonic distortion: <20%  
Power factor: > 0.9

MODEL NUMBER	ST-PHBL70G2-2FT / 4FT	ST-PHBL100G2-2FT / 4FT	ST-PHBL120G2-2FT / 4FT	ST-PHBL150G2-2FT / 4FT	ST-PHBL180G2-2FT / 4FT	ST-PHBL200G2-2FT / 4FT	ST-PHBL240G2-2FT / 4FT	ST-PHBL300G2-2FT / 4FT	ST-PHBL400G2-2FT / 4FT
LED LIGHT SOURCE	CREE	CREE	CREE	CREE	CREE	CREE	CREE	CREE	CREE
DRIVER	Meanwell	Meanwell	Meanwell	Meanwell	Meanwell	Meanwell	Meanwell	Meanwell	Meanwell
LUMEN OUTPUT@5000K	9,800LM	14,000LM	16,800LM	21,000LM	25,200LM	28,000LM	33,600LM	42,000LM	56,000LM
SYSTEM WATTAGE	70W	100W	120W	150W	180W	200W	240W	300W	400W
LPW	130-140LM / W	130-140LM / W	130-140LM / W	130-140LM / W	130-140LM / W	130-140LM / W	130-140LM / W	130-140LM / W	130-140LM / W
CRI	70 / 80RA	70 / 80RA	70 / 80RA	70 / 80RA	70 / 80RA	70 / 80RA	70 / 80RA	70 / 80RA	70 / 80RA
INPUT VOLTAGE (LOW VOLTAGE TYPICAL)	100-277VAC, 50/60Hz	100-277VAC, 50/60Hz	100-277VAC, 50/60Hz	100-277VAC, 50/60Hz	100-277VAC, 50/60Hz	100-277VAC, 50/60Hz	100-277VAC, 50/60Hz	100-277VAC, 50/60Hz	100-277VAC, 50/60Hz
INPUT VOLTAGE (HIGH VOLTAGE OPTIONAL)	180-528VAC, 50/60Hz	180-528VAC, 50/60Hz	180-528VAC, 50/60Hz	180-528VAC, 50/60Hz	180-528VAC, 50/60Hz	180-528VAC, 50/60Hz	180-528VAC, 50/60Hz	180-528VAC, 50/60Hz	180-528VAC, 50/60Hz
OPERATING TEMPERATURE	-40°C to 50°C / -104 °F to 122°F	-40°C to 50°C / -104 °F to 122°F	-40°C to 50°C / -104 °F to 122°F	-40°C to 50°C / -104 °F to 122°F	-40°C to 50°C / -104 °F to 122°F	-40°C to 50°C / -104 °F to 122°F	-40°C to 50°C / -104 °F to 122°F	-40°C to 50°C / -104 °F to 122°F	-40°C to 50°C / -104 °F to 122°F
IP RATING	IP20 / IP65	IP20 / IP65	IP20 / IP65	IP20 / IP65	IP20 / IP65	IP20 / IP65	IP20 / IP65	IP20 / IP65	IP20 / IP65
LIFE TIME	50,000 hours	50,000 hours	50,000 hours	50,000 hours	50,000 hours	50,000 hours	50,000 hours	50,000 hours	50,000 hours
CCT	2,700K-7,000K	2,700K-7,000K	2,700K-7,000K	2,700K-7,000K	2,700K-7,000K	2,700K-7,000K	2,700K-7,000K	2,700K-7,000K	2,700K-7,000K
WEIGHT	7.7 lbs / 3.5kg - 2FT 12.76 lbs / 5.8kg - 4FT	8.3 lbs / 3.78kg - 2FT 13 lbs / 5.9kg - 4FT	8.4 lbs / 3.8kg - 2FT 13.1 lbs / 5.97kg - 4FT	8.58 lbs / 3.9kg - 2FT 13.2 lbs / 6kg - 4FT	8.8 lbs / 4kg - 2FT 13.42 lbs / 6.1kg - 4FT	9 lbs / 4.1kg - 2FT 13.86 lbs / 6.3kg - 4FT	15.18 lbs / 6.9kg - 4FT	16.28 lbs / 7.4kg - 4FT	34.1 lbs / 15.5kg - 4FT



# LED LINEAR HIGH BAY-S1

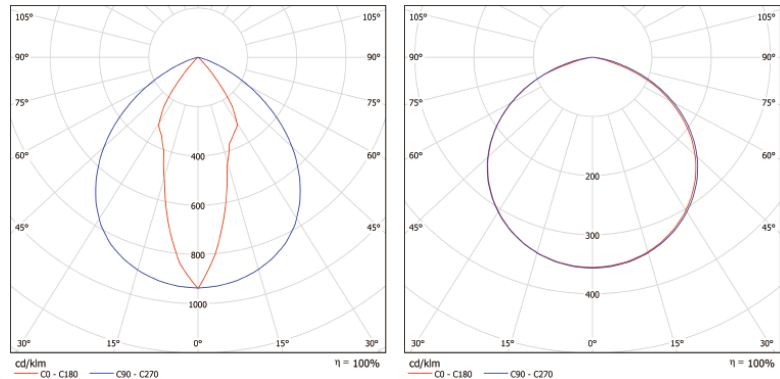


## DESCRIPTION

Shinetoo LED linear high bays S1 are ideal lighting solutions for

- Warehouses
- Food Processing Facilities
- Factories
- Supermarkets
- Retail Stores
- Distribution Centers
- Gymnasiums
- Industrial Complexes, etc.

Anti-glare reflecting technology available.



## FEATURES

- IP Rate: IP20 / IP54
- 100-277VAC / 180-528VAC, 50/60Hz
- Indirect Design
- Beam Angle: 90x25 Degree / 120 Degree
- Aluminum Extrusion
- Driver: Meanwell HLG / HVG
- Chips: Nichia 757
- Power Factor: >0.97 at full load
- Total Harmonic Distortion: <20%
- Wattages: 100-400W

### Optics

Wide 120 degree beam angle and optional 90x25 degree beam angle.

### Housing

Durable rugged extrusion aluminum design ensures the perfect heat dissipation.

### Replacement

100W LED = 250W HID / MH / HPS  
150W LED = 400W HID / MH / HPS  
200W LED = 500W HID / MH / HPS  
240W LED = 700W HID / MH / HPS  
300W LED = 800W HID / MH / HPS  
400W LED = 1000W HID / MH / HPS

### Sensor

Daylight and motion sensor are available for up to 80% energy saving.

### Mounting

Comes standard with a V hook for chain/cable mount.

### Reflector

Unique reflector design to use for aisle lighting with 3 times more lux.

### Optional Accessories

Wire guard and Emergency kit available.

### Driver

Class I Meanwell HLG, 1-10V Dimming optional.

### Electric System


Class I system  
Standard input voltage: 100 - 277VAC 50/60 Hz  
Optional high voltage: 180 - 528VAC 50/60 Hz  
Total harmonic distortion: <20%  
Power factor: > 0.9

### Warranty

7 years warranty.

MODEL NUMBER	ST-PHBL100N-2FT / 4FT	ST-PHBL150N-2FT / 4FT	ST-PHBL200N-2FT / 4FT	ST-PHBL240N-2FT / 4FT	ST-PHBL300N-4FT	ST-PHBL400N-4FT
LED LIGHT SOURCE	NICHIA	NICHIA	NICHIA	NICHIA	NICHIA	NICHIA
DRIVER	Meanwell	Meanwell	Meanwell	Meanwell	Meanwell	Meanwell
LUMEN OUTPUT@5000K	14,000LM	21,000LM	28,000LM	33,600LM	42,000LM	56,000LM
SYSTEM WATTAGE	100W	150W	200W	240W	300W	400W
LPW	130-140LM / W	130-140LM / W	130-140LM / W	130-140LM / W	130-140LM / W	130-140LM / W
CRI	70 / 80RA	70 / 80RA	70 / 80RA	70 / 80RA	70 / 80RA	70 / 80RA
INPUT VOLTAGE (LOW VOLTAGE TYPICAL)	100-277VAC, 50/60Hz	100-277VAC, 50/60Hz	100-277VAC, 50/60Hz	100-277VAC, 50/60Hz	100-277VAC, 50/60Hz	100-277VAC, 50/60Hz
INPUT VOLTAGE (HIGH VOLTAGE OPTIONAL)	180-528VAC, 50/60Hz	180-528VAC, 50/60Hz	180-528VAC, 50/60Hz	180-528VAC, 50/60Hz	180-528VAC, 50/60Hz	180-528VAC, 50/60Hz
OPERATING TEMPERATURE	-40°C to 50°C / -104°F to 122°F	-40°C to 50°C / -104°F to 122°F	-40°C to 50°C / -104°F to 122°F	-40°C to 50°C / -104°F to 122°F	-40°C to 50°C / -104°F to 122°F	-40°C to 50°C / -104°F to 122°F
IP RATING	IP20 / IP54	IP20 / IP54	IP20 / IP54	IP20 / IP54	IP20 / IP54	IP20 / IP54
LIFE TIME	50,000 hours	50,000 hours	50,000 hours	50,000 hours	50,000 hours	50,000 hours
CCT	2,700K-7,000K	2,700K-7,000K	2,700K-7,000K	2,700K-7,000K	2,700K-7,000K	2,700K-7,000K
WEIGHT	16.5 lbs / 7.5kg - 2FT 22 lbs / 10kg - 4FT	16.72 lbs / 7.6kg - 2FT 24 lbs / 10.9kg - 4FT	17.16 lbs / 7.8kg - 2FT 25 lbs / 11.36kg - 4FT	17.16 lbs / 7.8kg - 2FT 25 lbs / 11.36kg - 4FT	28.16 lbs / 12.8kg	30.8 lbs / 14kg





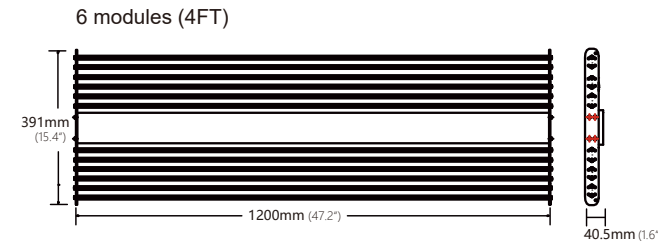
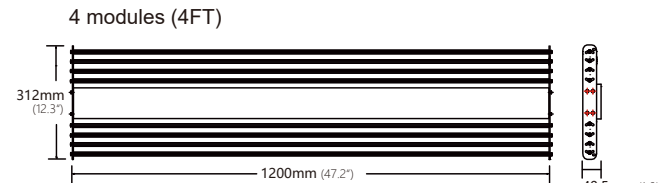
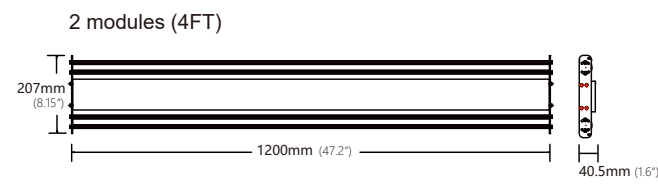
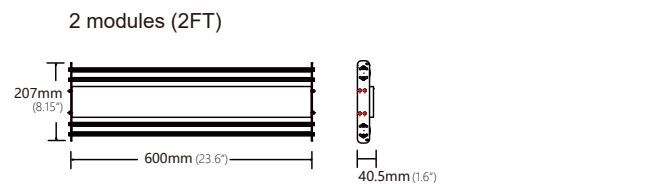
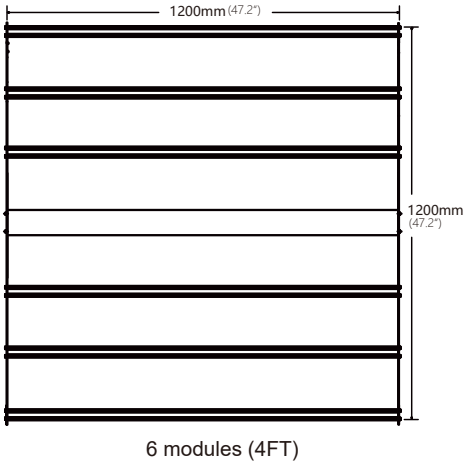
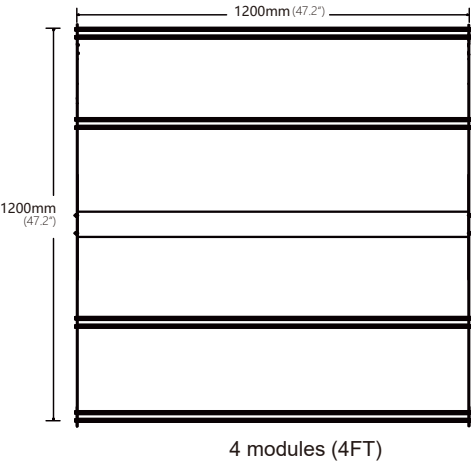
# LED GROW LIGHTING

# SHINETOO



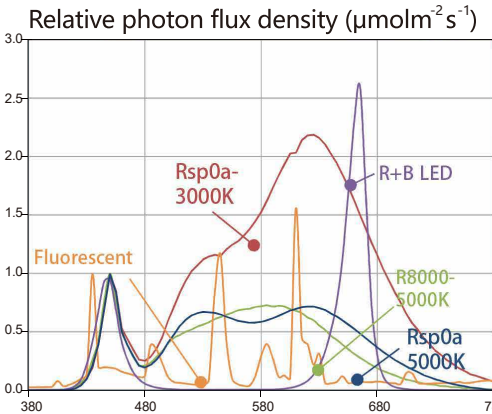


LED GROW LIGHTING



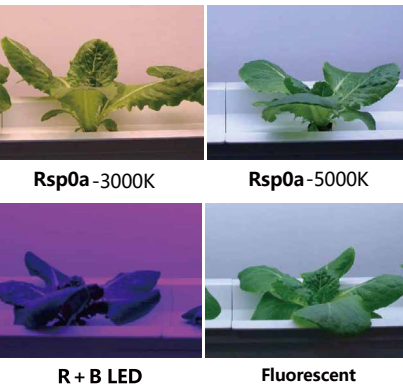
EXPERIMENT

- Variety: Romaine Lettuce
- Humidity: 60-70%
- Dark Period: 8hrs
- PFD: 132  $\mu\text{molm}^{-2}\text{s}^{-1}$
- Temperature: 22-24°C
- Condition: Light Period: 16hrs
- Growing Period: 21 days



Item		Rsp0a 3000K	Rsp0a 5000K	R8000 5000K	R + B LED	Fluorescent
R/B		4.5	1.6	0.9	2.5	0.5
R/Fr		5.1	6.3	8.9	-	1.3
Fresh Weight (Edible Part)	g	98	99	69	67	68
Consumption Power	Wh/g	11.7	12.2	15.6	24.3	47.6

APPEARANCE OF EXPERIMENT  
(13 days after being transplanted from their nursery beds)



MODEL NUMBER	ST-LGL 200N	ST-LGL 300N	ST-LGL 400N	ST-LGL 500N	ST-LGL 600N	ST-LGL 700N	ST-LGL 800N
INPUT POWER	200W	300W	400W	500W	600W	700W	800W
EFFICACY	2.1 $\mu\text{mol} / \text{W}$	2.24 $\mu\text{mol} / \text{W}$	2.38 $\mu\text{mol} / \text{W}$	2.515 $\mu\text{mol} / \text{W}$	2.65 $\mu\text{mol} / \text{W}$	2.79 $\mu\text{mol} / \text{W}$	2.93 $\mu\text{mol} / \text{W}$
PPF	504 $\mu\text{mol} / \text{S}$	778 $\mu\text{mol} / \text{S}$	1,052 $\mu\text{mol} / \text{S}$	1,326 $\mu\text{mol} / \text{S}$	1,600 $\mu\text{mol} / \text{S}$	1,874 $\mu\text{mol} / \text{S}$	2,148 $\mu\text{mol} / \text{S}$
INPUT VOLTAGE	100-277V	100-277V	100-277V	100-277V	100-277V	100-277V	100-277V
MOUNTING HEIGHT	$\geq 12"$ (30cm) Above Canopy	$\geq 12"$ (30cm) Above Canopy	$\geq 6"$ (15cm) Above Canopy	$\geq 6"$ (15cm) Above Canopy	$\geq 6"$ (15cm) Above Canopy	$\geq 6"$ (15cm) Above Canopy	$\geq 6"$ (15cm) Above Canopy
LIFETIME	50,000hrs	50,000hrs	50,000hrs	50,000hrs	50,000hrs	50,000hrs	50,000hrs
POWER FACTOR	>90%	>90%	>90%	>90%	>90%	>90%	>90%
AMBIENT TEMPTURE	-40 C to 40 C	-40 C to 40 C	-40 C to 40 C	-40 C to 40 C	-40 C to 40 C	-40 C to 40 C	-40 C to 40 C
STORAGE ENVIRONMENT	-40 C - 85 C RH10% - 95%	-40 C - 85 C RH10% - 95%	-40 C - 85 C RH10% - 95%	-40 C - 85 C RH10% - 95%	-40 C - 85 C RH10% - 95%	-40 C - 85 C RH10% - 95%	-40 C - 85 C RH10% - 95%
CHIP	Top Brand LED	Top Brand LED	Top Brand LED	Top Brand LED	Top Brand LED	Top Brand LED	Top Brand LED