



Product Specifications

(DIAMOND LED HIGH MAST LIGHT)



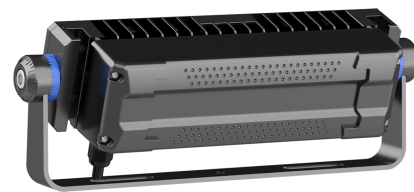
The Diamond LED High Mast Sport Light is engineered for excellence, delivering unmatched performance and durability for large-scale outdoor lighting applications. Built with a die-cast aluminum heat sink, this fixture boasts a sleek yet robust design, offering outstanding thermal management and structural integrity in a compact form. Its embedded cable raceway ensures an efficient and optimized cable layout, while the precisely racked angle allows for accurate installation every time.

With a 4mm-thick arm and bracket design, this light achieves an impressive anti-typhoon rating of 17, making it ideal for high wind conditions. The tempered glass cover further enhances durability, achieving IK08 impact resistance while thriving in challenging outdoor environments. Featuring professional-grade light distribution with a variety of beam angles, the Diamond LED High Mast Sport Light adapts to diverse applications with precision. The IP66 structural waterproof design provides superior protection against dust and water ingress. Powered by top-tier LEDs and high-quality power supplies from reputable brands, this fixture delivers reliable performance, extended longevity, and energy efficiency, all backed by a 5-year warranty. For stadiums, high mast fields, and sports arenas, the Diamond LED Sport Light shines as a premium choice to illuminate excellence.

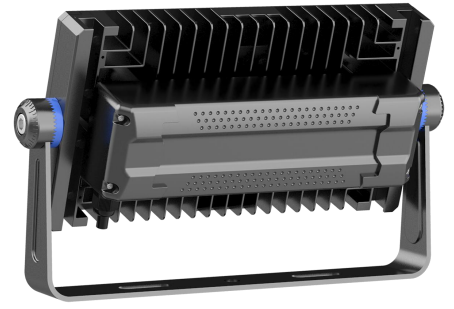
Features

- Die-cast Aluminum heat sinking: concise appearance, excellent thermal management & compact structure;
- Embedded cable raceway: optimized cable layout;
- Racked angle, achieves precise installation;
- 4mm thickness arm & brackets, anti-typhoon rating 17;
- IP66 structural waterproof design, with optional tempered glass cover, achieves IK08 and apply in harsh conditions;
- Professional light distribution with different beam angles for various applications;
- Packed with reputed brand top quality LEDs and power supply to ensure the product reliability and life expectancy, 5 years warranty.

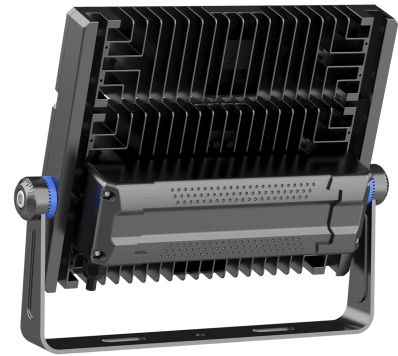
Technical Specifications



Product Name		Diamond LED Tunnel Light
Model No.		LGS-HMLDA-50W
Optical	LED Chip Brand	Osram
	Lumen Output	7000lm±10%
	Luminous Efficiency(lm/w)	140lm/w
	Color Temperature(CCT)	3000/4000/5000/5700/6500K
	Color Rendering Index(CRI)	Ra>80
	Beam Angle θ/2	25/45/60/90/80*150/90*120 degree
	Light Decay Rate(%)	Less than 3% in 6,000Hours
	Lifespan(Hrs)	≥50,000Hrs
Electrical	Power Consumption(W)	50W±10%
	Input Voltage(V)	100-240VAC
	Frequency(Hz)	50/60Hz
	Power Factor(PF)	>0.95
	Start Time(s)	≤0.1s
	Driver Efficiency	>89%
	Total Harmonic Distortion(THD)	<10%
	Driver	Mean Well/Sosen
Mechanical	Material	Aluminum housing+Polycarbonate lens+Tempered Glass(optional)
	Degree of Protection	IP66
	Dimensions(mm)	133*372*97mm
	Appearance	Black
	Package	1pcs/CTN
	Gross Weight(KG)	2.0KG/CTN
	Carton Dimensions(mm)	432*182*148mm
Other	Working Tem. & Humidity	-30°C~+50°C, 10%~90%R.H.
	Storage Temp. & Humidity	-40°C~+70°C, 0%~95%R.H.
	Certificate	CE, RoHS
	Warranty	5 years
	Optional Functions	Dimming & Sensor Available



Product Name		Diamond LED Tunnel Light
Model No.		LGS-HMLDA-100W
Optical	LED Chip Brand	Osram
	Lumen Output	14000lm±10%
	Luminous Efficiency(lm/w)	140lm/w
	Color Temperature(CCT)	3000/4000/5000/5700/6500K
	Color Rendering Index(CRI)	Ra>80
	Beam Angle θ/2	25/45/60/90/80*150/90*120 degree
	Light Decay Rate(%)	Less than 3% in 6,000Hours
	Lifespan(Hrs)	≥50,000Hrs
Electrical	Power Consumption(W)	100W±10%
	Input Voltage(V)	100-240VAC
	Frequency(Hz)	50/60Hz
	Power Factor(PF)	>0.95
	Start Time(s)	≤0.1s
	Driver Efficiency	>90%
	Total Harmonic Distortion(THD)	<10%
	Driver	Mean Well/Sosen
Mechanical	Material	Aluminum housing+Polycarbonate lens+Tempered Glass(optional)
	Degree of Protection	IP66
	Dimensions(mm)	222*372*97mm
	Appearance	Black
	Package	1pcs/CTN
	Gross Weight(KG)	3.8KG/CTN
	Carton Dimensions(mm)	432*282*148mm
Other	Working Tem. & Humidity	-30℃~+50℃, 10%~90%R.H.
	Storage Temp. & Humidity	-40℃~+70℃, 0%~95%R.H.
	Certificate	CE, RoHS
	Warranty	5 years
	Optional Functions	Dimming & Sensor Available



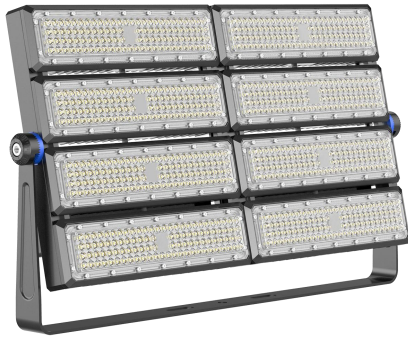
Product Name		Diamond LED Tunnel Light
Model No.		LGS-HMLDA-150W
Optical	LED Chip Brand	Osram
	Lumen Output	21000lm±10%
	Luminous Efficiency(lm/w)	140lm/w
	Color Temperature(CCT)	3000/4000/5000/5700/6500K
	Color Rendering Index(CRI)	Ra>80
	Beam Angle θ/2	25/45/60/90/80*150/90*120 degree
	Light Decay Rate(%)	Less than 3% in 6,000Hours
	Lifespan(Hrs)	≥50,000Hrs
Electrical	Power Consumption(W)	150W±10%
	Input Voltage(V)	100-240VAC
	Frequency(Hz)	50/60Hz
	Power Factor(PF)	>0.95
	Start Time(s)	≤0.1s
	Driver Efficiency	>91%
	Total Harmonic Distortion(THD)	<10%
	Driver	Mean Well/Sosen
Mechanical	Material	Aluminum housing+Polycarbonate lens+Tempered Glass(optional)
	Degree of Protection	IP66
	Dimensions(mm)	310*372*97mm
	Appearance	Black
	Package	1pcs/CTN
	Gross Weight(KG)	4.5KG/CTN
	Carton Dimensions(mm)	432*370*148mm
Other	Working Tem. & Humidity	-30°C~+50°C, 10%~90%R.H.
	Storage Temp. & Humidity	-40°C~+70°C, 0%~95%R.H.
	Certificate	CE, RoHS
	Warranty	5 years
	Optional Functions	Dimming & Sensor Available



Product Name		Diamond LED Tunnel Light
Model No.		LGS-HMLDA-200W
Optical	LED Chip Brand	Osram
	Lumen Output	28000lm±10%
	Luminous Efficiency(lm/w)	140lm/w
	Color Temperature(CCT)	3000/4000/5000/5700/6500K
	Color Rendering Index(CRI)	Ra>80
	Beam Angle θ/2	25/45/60/90/80*150/90*120 degree
	Light Decay Rate(%)	Less than 3% in 6,000Hours
	Lifespan(Hrs)	≥50,000Hrs
Electrical	Power Consumption(W)	200W±10%
	Input Voltage(V)	100-240VAC
	Frequency(Hz)	50/60Hz
	Power Factor(PF)	>0.95
	Start Time(s)	≤0.1s
	Driver Efficiency	>92%
	Total Harmonic Distortion(THD)	<10%
	Driver	Mean Well/Sosen
Mechanical	Material	Aluminum housing+Polycarbonate lens+Tempered Glass(optional)
	Degree of Protection	IP66
	Dimensions(mm)	398*372*97mm
	Appearance	Black
	Package	1pcs/CTN
	Gross Weight(KG)	5.2KG/CTN
	Carton Dimensions(mm)	432*458*148mm
Other	Working Tem. & Humidity	-30°C~+50°C, 10%~90%R.H.
	Storage Temp. & Humidity	-40°C~+70°C, 0%~95%R.H.
	Certificate	CE, RoHS
	Warranty	5 years
	Optional Functions	Dimming & Sensor Available



Product Name		Diamond LED Tunnel Light
Model No.		LGS-HMLDA-250W
Optical	LED Chip Brand	Osram
	Lumen Output	35000lm±10%
	Luminous Efficiency(lm/w)	140lm/w
	Color Temperature(CCT)	3000/4000/5000/5700/6500K
	Color Rendering Index(CRI)	Ra>80
	Beam Angle θ/2	25/45/60/90/80*150/90*120 degree
	Light Decay Rate(%)	Less than 3% in 6,000Hours
	Lifespan(Hrs)	≥50,000Hrs
Electrical	Power Consumption(W)	250W±10%
	Input Voltage(V)	100-240VAC
	Frequency(Hz)	50/60Hz
	Power Factor(PF)	>0.95
	Start Time(s)	≤0.1s
	Driver Efficiency	>93%
	Total Harmonic Distortion(THD)	<10%
	Driver	Mean Well/Sosen
Mechanical	Material	Aluminum housing+Polycarbonate lens+Tempered Glass(optional)
	Degree of Protection	IP66
	Dimensions(mm)	486*372*97mm
	Appearance	Black
	Package	1pcs/CTN
	Gross Weight(KG)	6.0KG/CTN
	Carton Dimensions(mm)	432*546*148mm
Other	Working Tem. & Humidity	-30℃~+50℃, 10%~90%R.H.
	Storage Temp. & Humidity	-40℃~+70℃, 0%~95%R.H.
	Certificate	CE, RoHS
	Warranty	5 years
	Optional Functions	Dimming & Sensor Available



Product Name		Diamond LED Tunnel Light
Model No.		LGS-HMLDA-400W
Optical	LED Chip Brand	Osram
	Lumen Output	56000lm±10%
	Luminous Efficiency(lm/w)	140lm/w
	Color Temperature(CCT)	3000/4000/5000/5700/6500K
	Color Rendering Index(CRI)	Ra>80
	Beam Angle θ/2	25/45/60/90/80*150/90*120 degree
	Light Decay Rate(%)	Less than 3% in 6,000Hours
	Lifespan(Hrs)	≥50,000Hrs
Electrical	Power Consumption(W)	400W±10%
	Input Voltage(V)	100-240VAC
	Frequency(Hz)	50/60Hz
	Power Factor(PF)	>0.95
	Start Time(s)	≤0.1s
	Driver Efficiency	>93%
	Total Harmonic Distortion(THD)	<10%
	Driver	Mean Well/Sosen
Mechanical	Material	Aluminum housing+Polycarbonate lens+Tempered Glass(optional)
	Degree of Protection	IP66
	Dimensions(mm)	399*690*95mm
	Appearance	Black
	Package	1pcs/CTN
	Gross Weight(KG)	10.5KG/CTN
	Carton Dimensions(mm)	740*450*115mm
Other	Working Tem. & Humidity	-30℃~+50℃, 10%~90%R.H.
	Storage Temp. & Humidity	-40℃~+70℃, 0%~95%R.H.
	Certificate	CE, RoHS
	Warranty	5 years
	Optional Functions	Dimming & Sensor Available

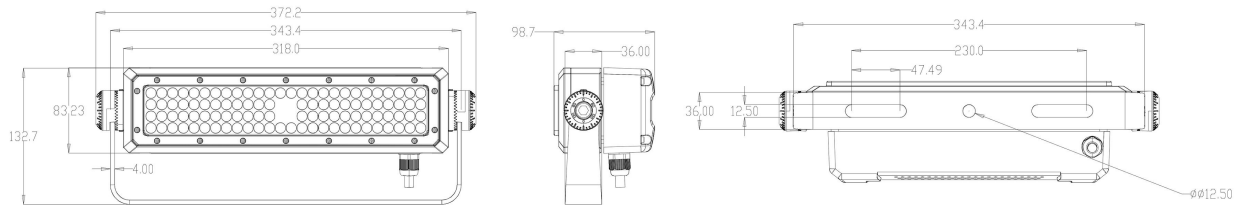


Product Name		Diamond LED Tunnel Light
Model No.		LGS-HMLDA-500W
Optical	LED Chip Brand	Osram
	Lumen Output	70000lm±10%
	Luminous Efficiency(lm/w)	140lm/w
	Color Temperature(CCT)	3000/4000/5000/5700/6500K
	Color Rendering Index(CRI)	Ra>80
	Beam Angle θ/2	25/45/60/90/80*150/90*120 degree
	Light Decay Rate(%)	Less than 3% in 6,000Hours
	Lifespan(Hrs)	≥50,000Hrs
Electrical	Power Consumption(W)	500W±10%
	Input Voltage(V)	100-240VAC
	Frequency(Hz)	50/60Hz
	Power Factor(PF)	>0.95
	Start Time(s)	≤0.1s
	Driver Efficiency	>93%
	Total Harmonic Distortion(THD)	<10%
	Driver	Mean Well/Sosen
Mechanical	Material	Aluminum housing+Polycarbonate lens+Tempered Glass(optional)
	Degree of Protection	IP66
	Dimensions(mm)	487*690*95mm
	Appearance	Black
	Package	1pcs/CTN
	Gross Weight(KG)	12.0KG/CTN
	Carton Dimensions(mm)	740*546*148mm
Other	Working Tem. & Humidity	-30℃~+50℃, 10%~90%R.H.
	Storage Temp. & Humidity	-40℃~+70℃, 0%~95%R.H.
	Certificate	CE, RoHS
	Warranty	5 years
	Optional Functions	Dimming & Sensor Available

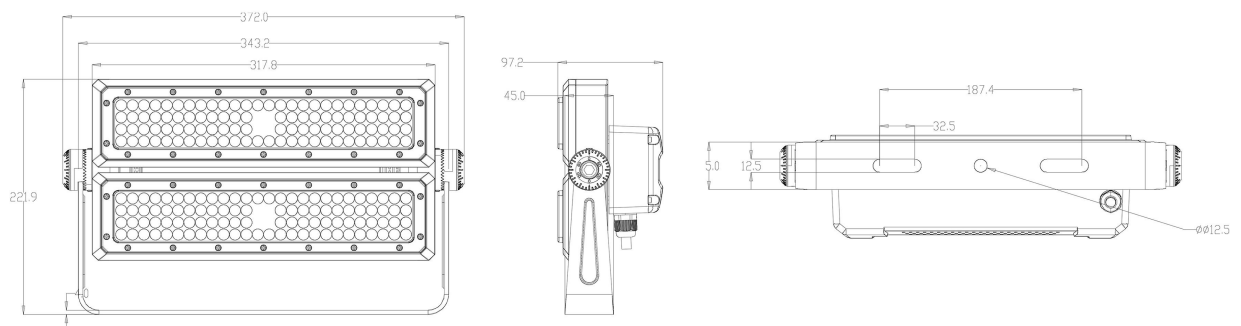
Dimensions and Drawings

Unit: mm

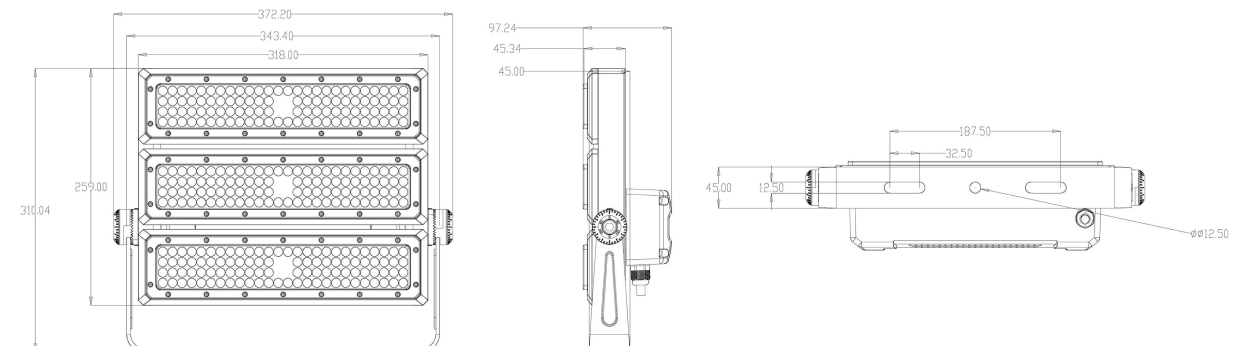
50W



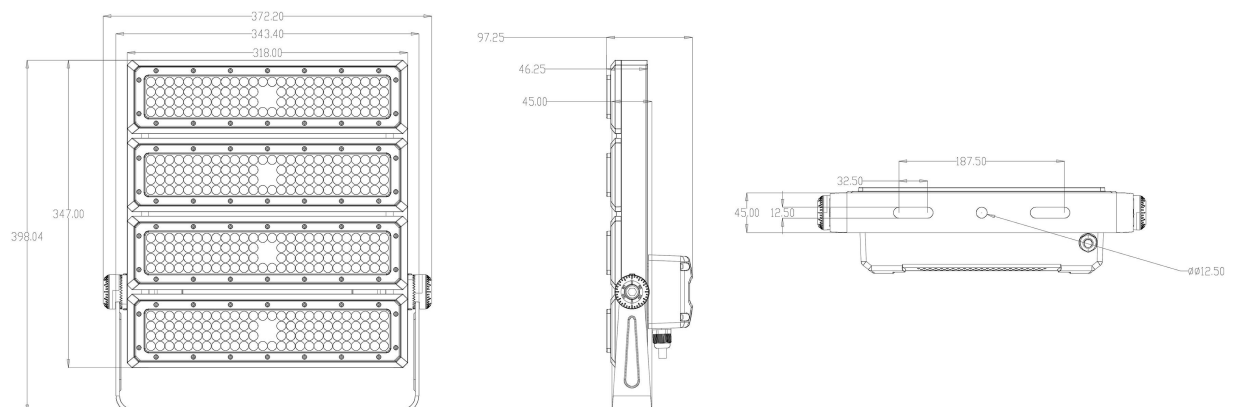
100W



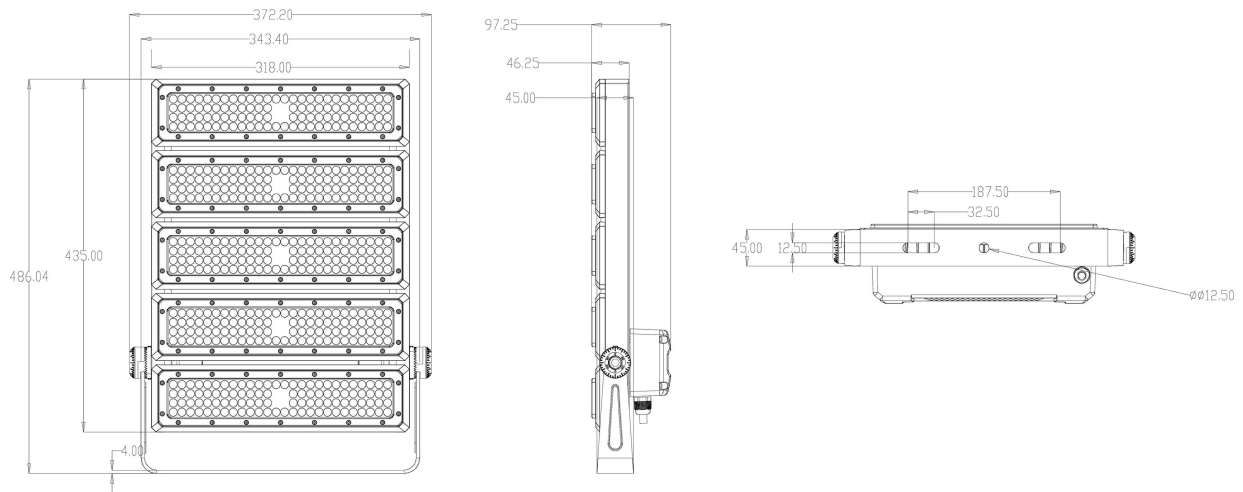
150W



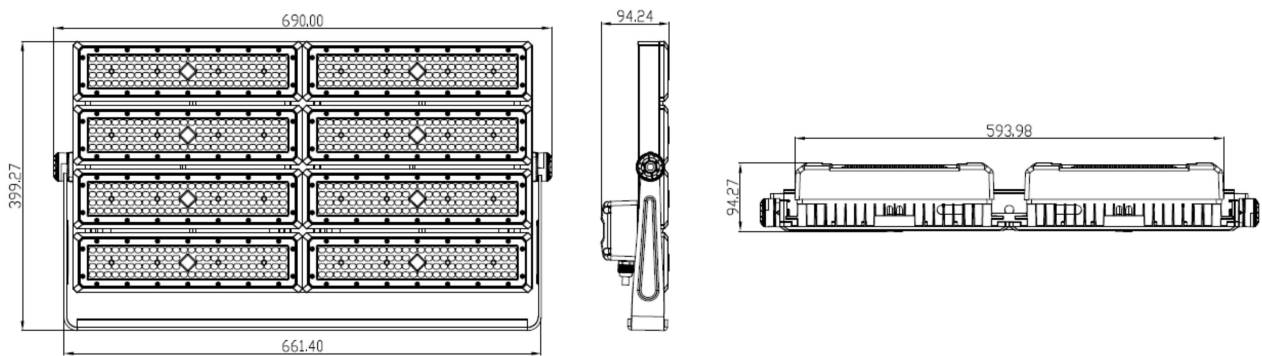
200W



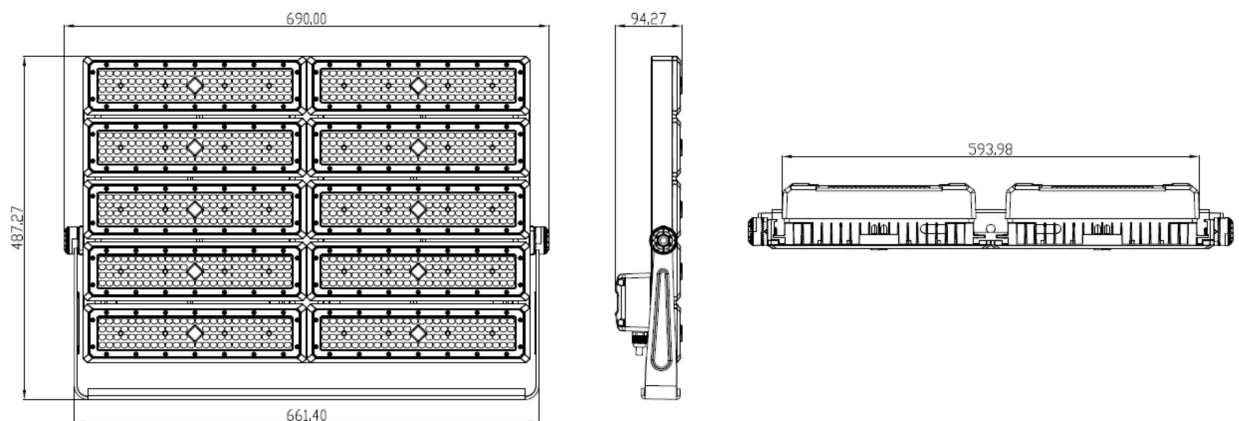
250W



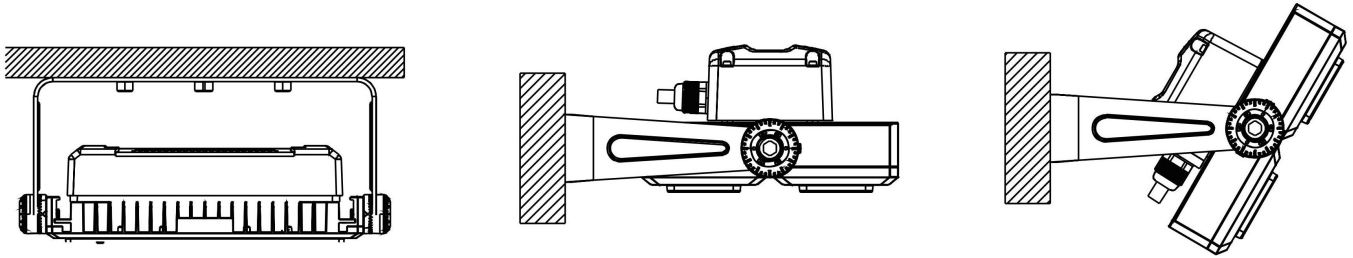
400W



500W



Installations



Installation Requirements

1. Power off before installation, and read the instruction carefully;
2. Make sure the installation material can endure the lamp weight;
3. Please prepare two sets of expansion bolts, and drill holes in the installation body, then install the lamp, finally screw down expansion bolts and bracket screws;
4. Connect lamp wire to match power wire, and seal the joint with insulation;
5. The lamp must be installed reliably to prevent loosening and falling off.

Notice

1. Please first read the product specification carefully, make sure the using environment conform to specification, then it can be used;
2. Please confirm the input voltage, frequency before use;
3. This product must be installed by professionals;
4. If there is any damage to the power wire or shell of the product, it should be taken as defective product and do not use it;
5. Dangerous high voltage, non-professionals are not allowed to maintain the product;
6. If external soft cable or soft wire of the light is damaged, it should be replaced by manufacturer or service agent or personnel with similar qualification to avoid danger.