FPH (GROUP) Technology CO., LIMITED

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Products Specifications

Projection Lamp
80-500W

Projection Lamp 80-500W

Professional, trustworthy

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Photoelectric Spec.	Items	TPS-100	TPS-150	TPS-250	TPS-500
	CREE Chips	30pcs XTE	30pcs XML2	84pcs XTE	84pcs XML2
	Luminous Flux (lm)	9000-10000lm	13500-15000lm	22500-25000lm	45000-50000lm
	CCT (K)	WW(2700-3200K) / W(4000-4500K) / CW(6000-6500K)			
	CRI (Ra)	>80			
	Reflection Cup Angles	5° 10° 20° 30° 60°			
	Lifespan (hours)	more than 50.000 Hrs			
	Input Voltage (V)	100-240V AC 50/60Hz			
	Power Factor	>0.9			
	Activation time (S)	Lower 0,05 S (@ 220V AC)			
	Total Power (W)	80-120W	150-200W	250-300W	500-800W
Structure Spec.	Material	Aluminum + Glass			
	Waterproof (IP)	outdoor use / IP67			
	Dimensions (mm)	ø316 * 347	ø316 * 347	ø471.7 * 361.1	ø479.3 * 390.7
	Net Weight (g)	5.8 kg	6.6 kg	7.8 kg	9.2 kg
Integrated Spec.	Operating temperature	-20 ~ 60 Celsius			
	Humidity Storage	0% ~ 95% RH			
	security Requirement	CE			
	Environmental Directives	RoHS			
	Application	Skyscrapers / Casino / Supermarkets / Bridges / Docks / TV Tower / Sculptures etc.			

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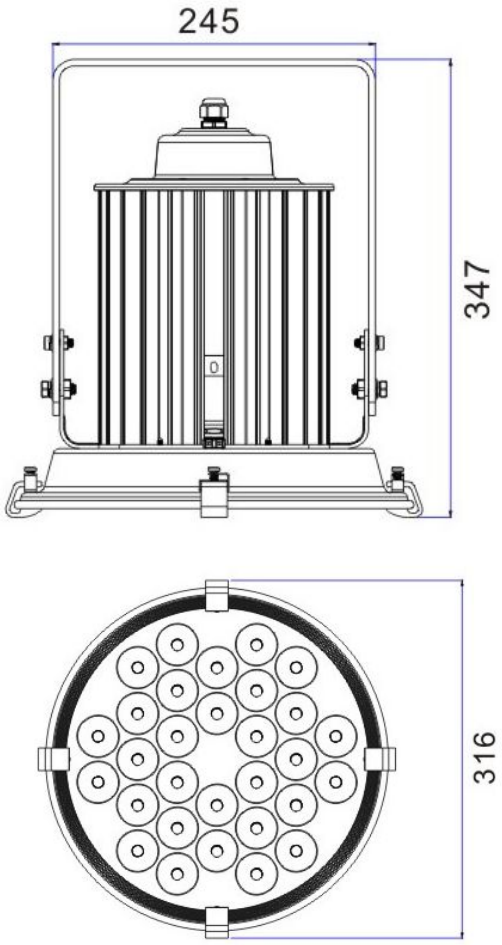
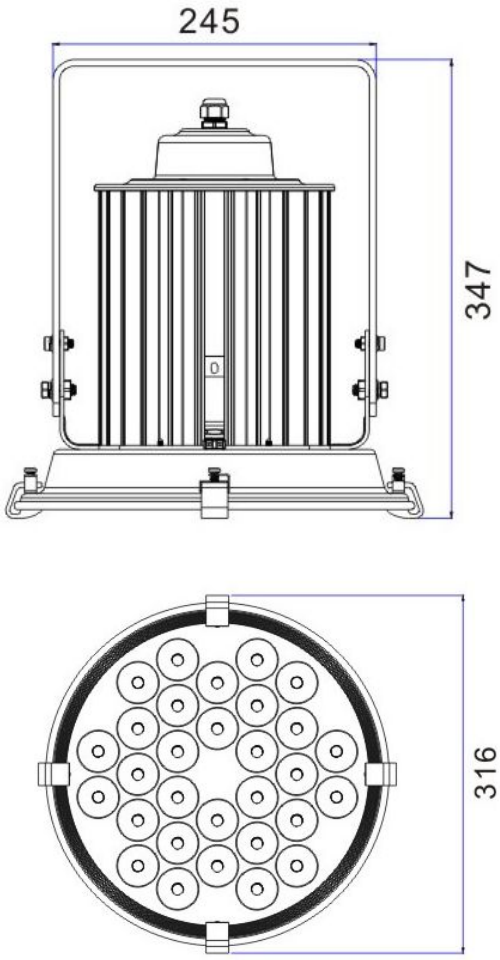
Dimension Diagram

TPS-100	TPS-150
	

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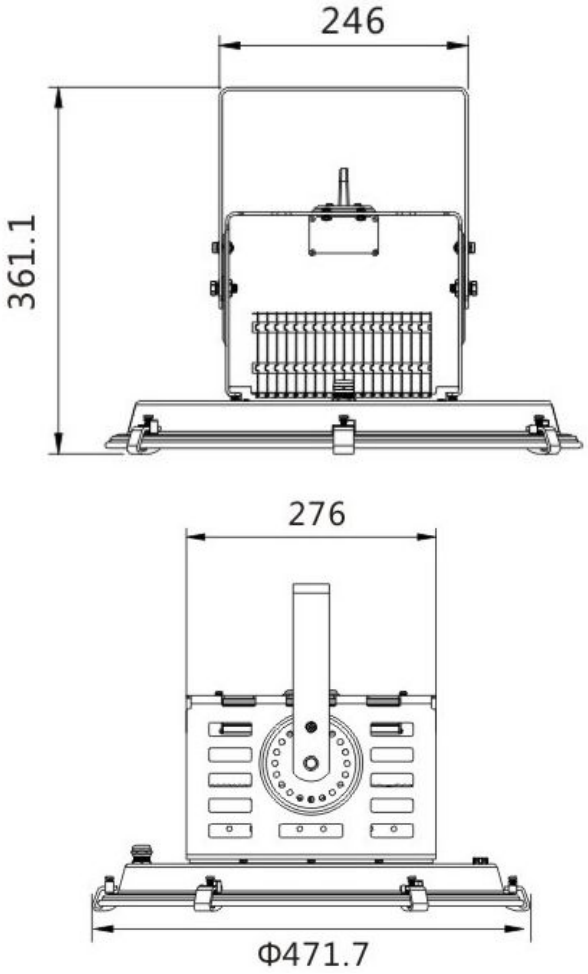
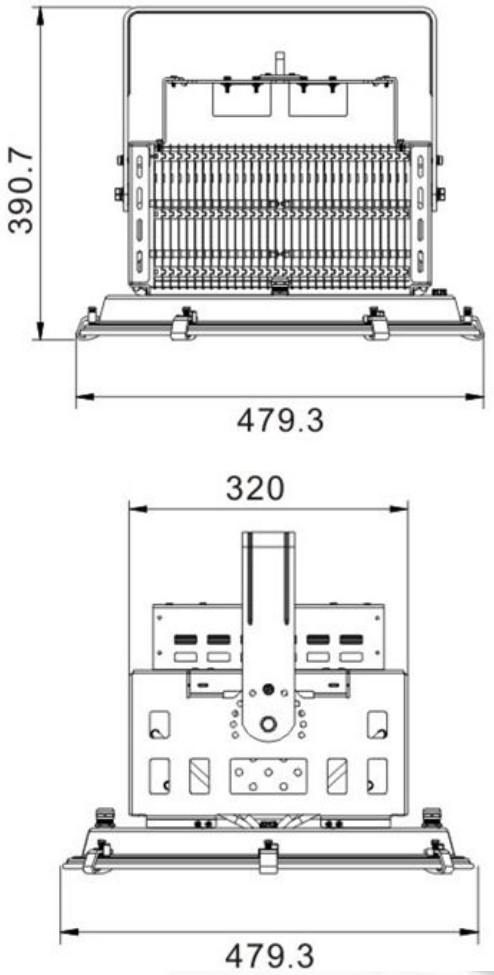
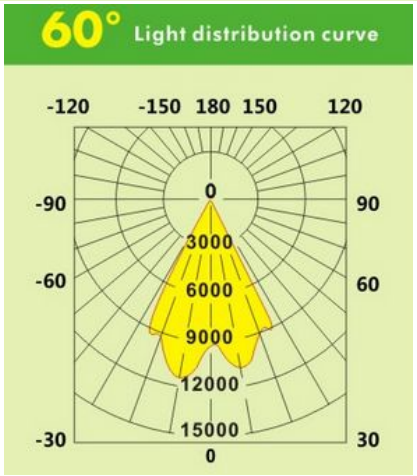
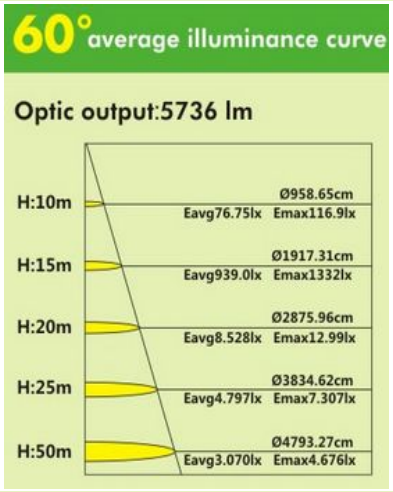
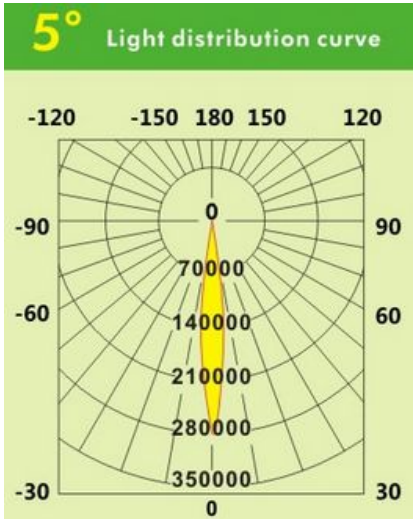
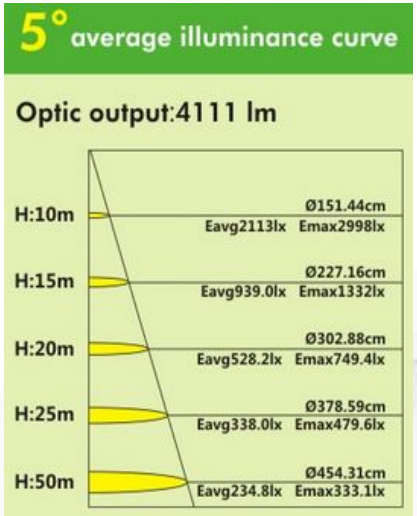
Dimension Diagram

TPS-250	TPS-500
	

Optical Spec.

	Radiation	Lux Diagram
 TPS-100		
 TPS-150		

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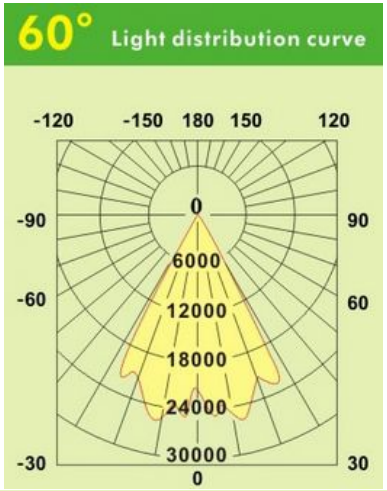
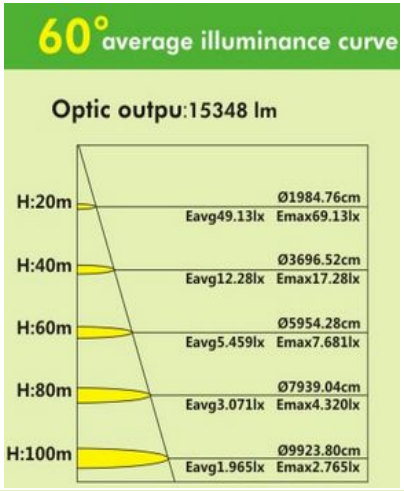
Optical Spec.

TPS-250

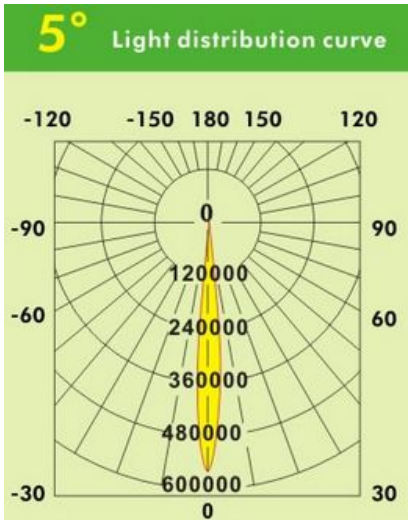
Radiation



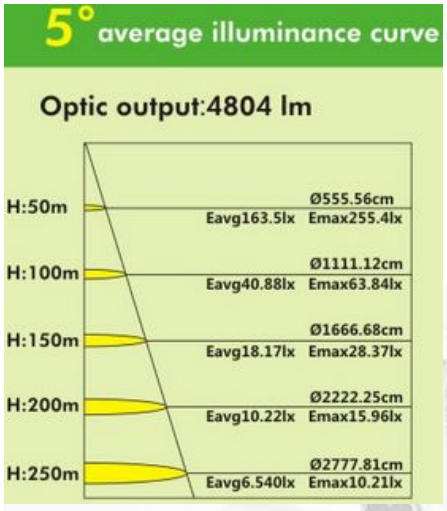
Lux Diagram



Radiation



Lux Diagram



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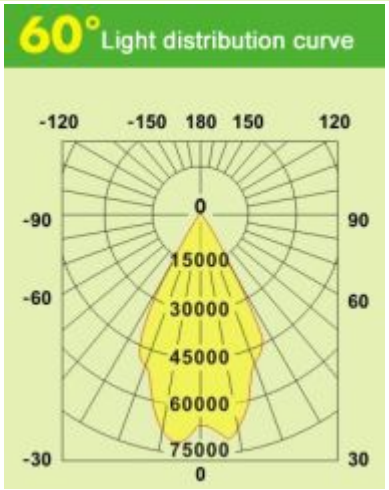
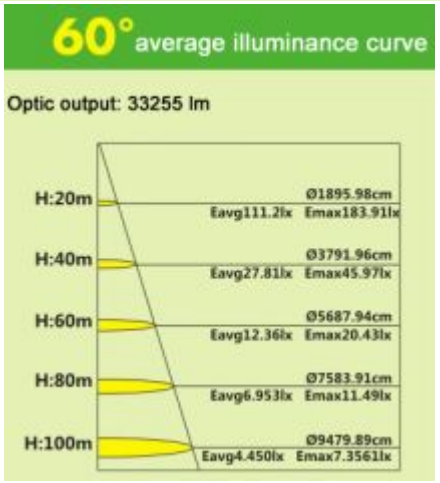
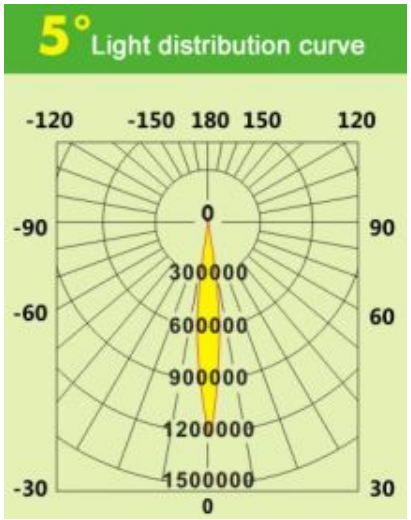
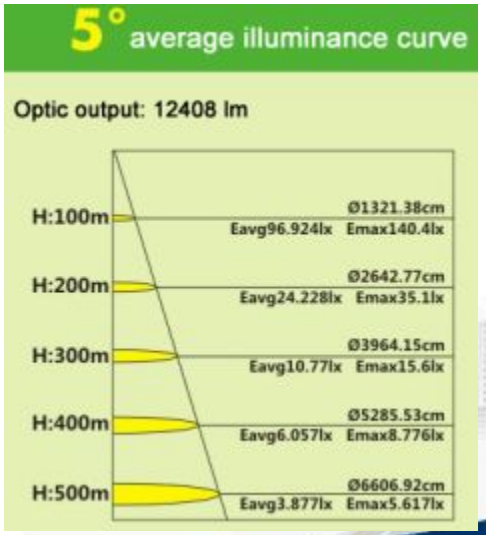
Optical Spec.

TPS-500

Radiation	Lux Diagram
	
Radiation	**Lux Diagram**
	

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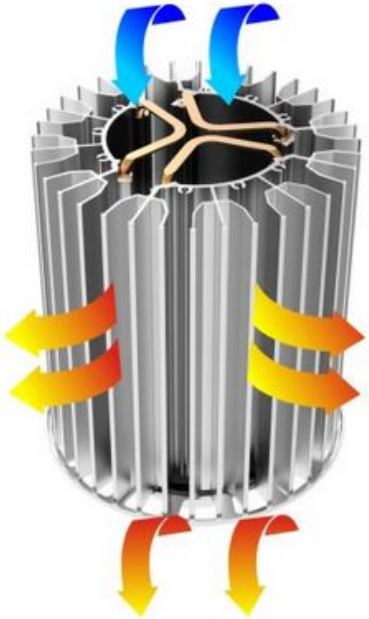
Products details

By using the Ø6mm heatpipe, the heat generated by the lighting quickly transfers to the cooling module of massive radiation fins, efficiently reduce the temperature of the LED lighting chips and extend the life span of the lighting source.



3-D heat dissipation

Professional heat dissipation structure design. Modular heatsink with perfect structure and inside airflow channels maxim the 3D heat dissipation.

Patented HDT technology

High efficient heatpipes contact the heat source directly, maxima the performance of the heatpipe to reach the cooling effect.

Compressed Fins Technology

Pccooler' s creative Compressed Fins Technology: rivet the heatpipe to heatsink body closely, minimize the heat resistance, greatly improve the heat dissipation effect, and it is much lighter compared with similar products.

80-200W

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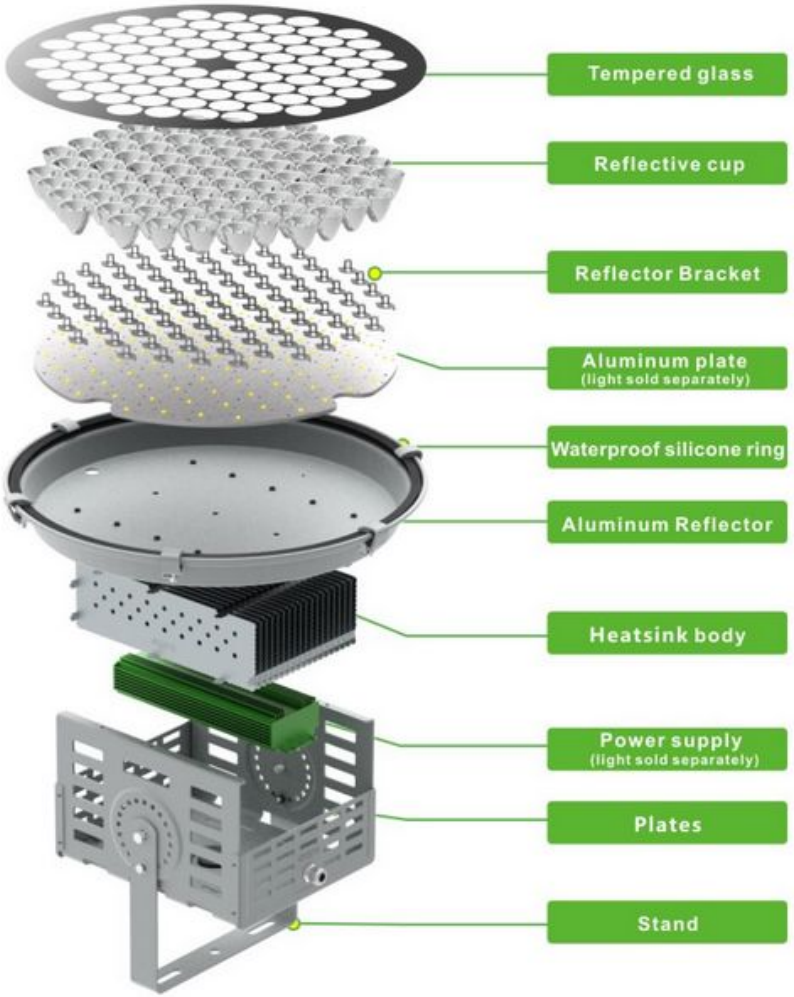
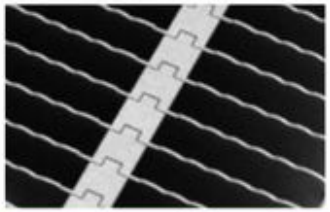
Products details

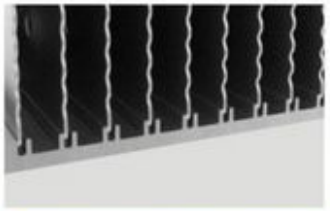


Adopt unique FIN type heat dissipation structure design, 3 d heat created air convection channel, combined with overclocking three gear shaper, efficient heat dissipation FIN process.



Gear slotting fin technology

Each piece of fins to maintain equal spacing and tight fit, form a whole, effectively enhance the fins fastness, with the minimum weight to achieve maximum cooling area.



PATENTED ZIPPED-FINS TECHNOLOGY

With zipped-fins technology,the convection airflow is evenly distributed in the cooling fins,optimizing the cooling effect.

CHIMNEY UNIFORM COOLING

High purity aluminium lampshade stick with aluminum plate and the cooling body, form a uniform cooling structure, all aluminum lamp heat dissipation, enhance the overall thermal performance, prolong the service life of the light source.

250W

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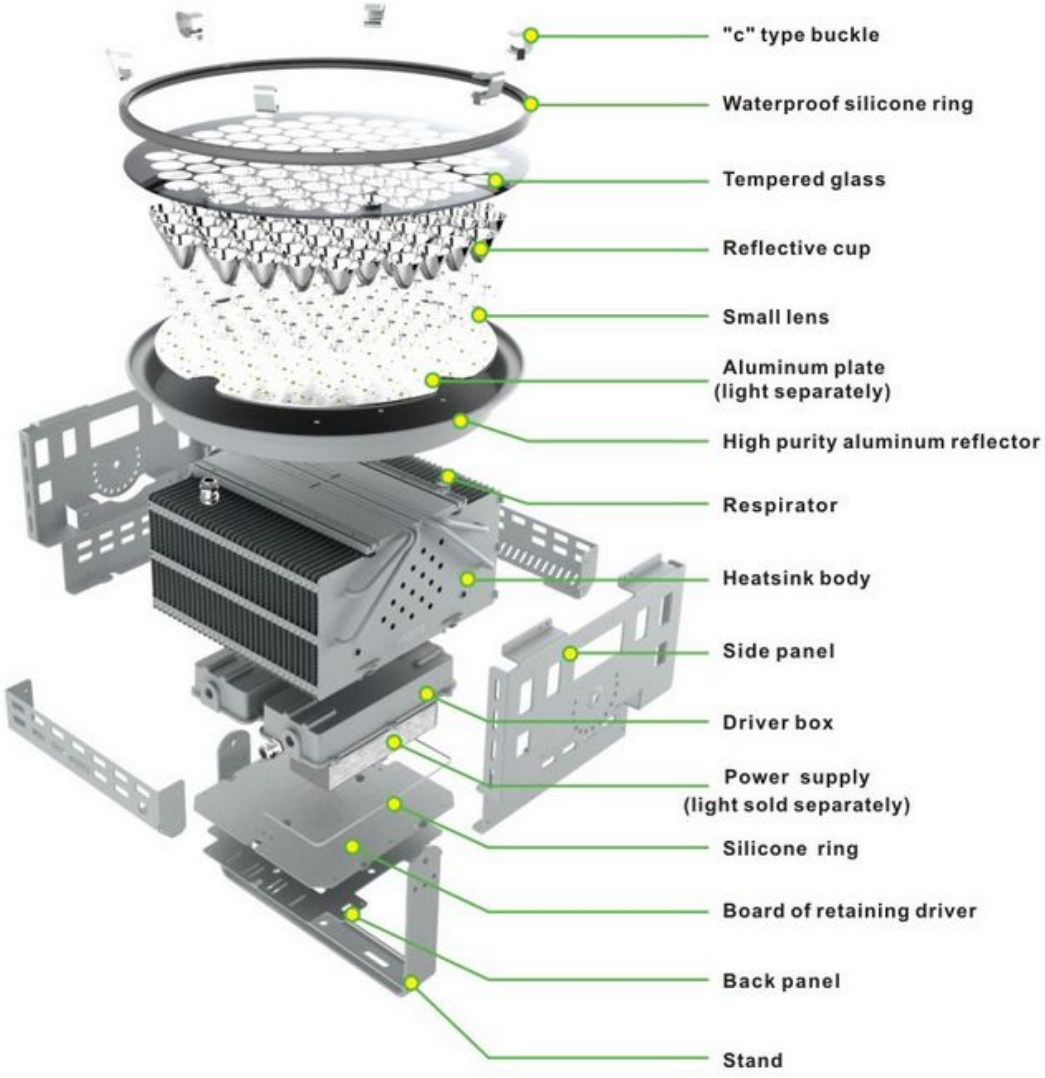
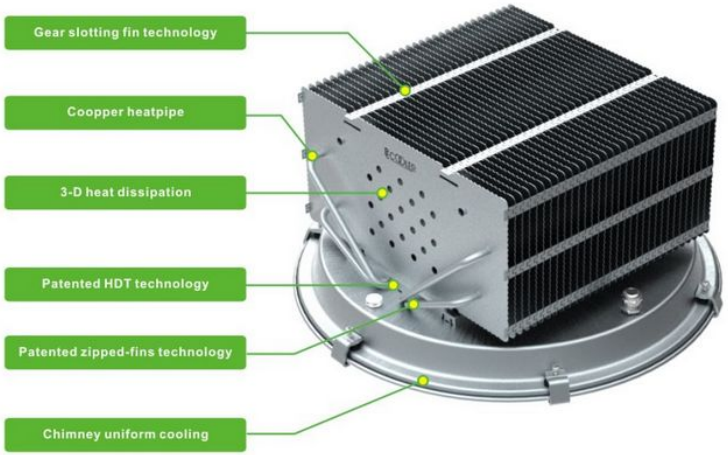
Products details



By riveting the heat pipe to the fins, combine with the Fluence HDT, seamless fitting and FIN fastening patent technology, to maximize the cooling area of the smallest weight;By using the heatpipe, the heat generated by the lighting quickly transfers to the cooling module of massive radiation fins, efficiently reduce the temperature of the LED lighting chips and extend the lifespan of the lighting source.



500W

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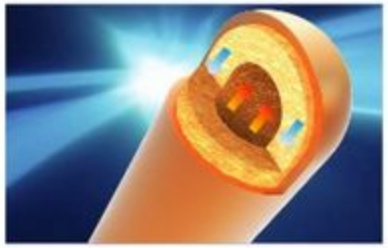
Products details

Patented HDT technology

High efficient heatpipes contact the heat source directly,maxima the performance of the heatpipe to reach the cooling effect.



Coopper heatpipe

Heat pipe by using the theory of heat transfer and refrigeration, rapid heat transfer properties of the medium to transfer heat quickly to the heat source, thermal capacity than any known metal.

3-D heat dissipation

Each fins are distributed parallel relative to hollow out holes, or so appear a convection of air duct, and fins clearance form three-dimensional heat dissipation, send out quantity of heat to the greatest extent.

Patented zipped-fins technology

With zipped-fins technology,the convection airflow is evenly distributed in the cooling fins,optimizing the cooling effect.

Gear slotting fin technology

The fins couple into the base of the heatsink tightly,minimum the heat transfer resistance.

Chimney uniform cooling

High purity aluminum reflectors perfectly combination with the PCB and the body of heatsink, form a integration cooling structure. All lamp of aluminum for heat dissipation, increase the performance of the total lamp heat dissipation, extending life span of light source.

500W

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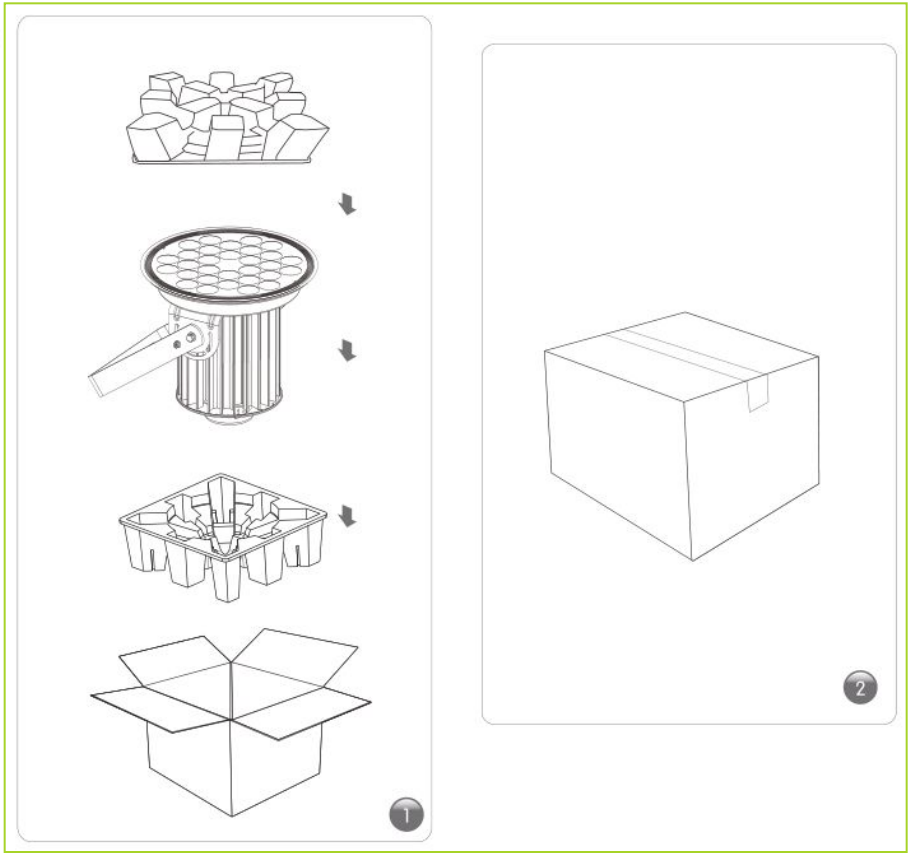
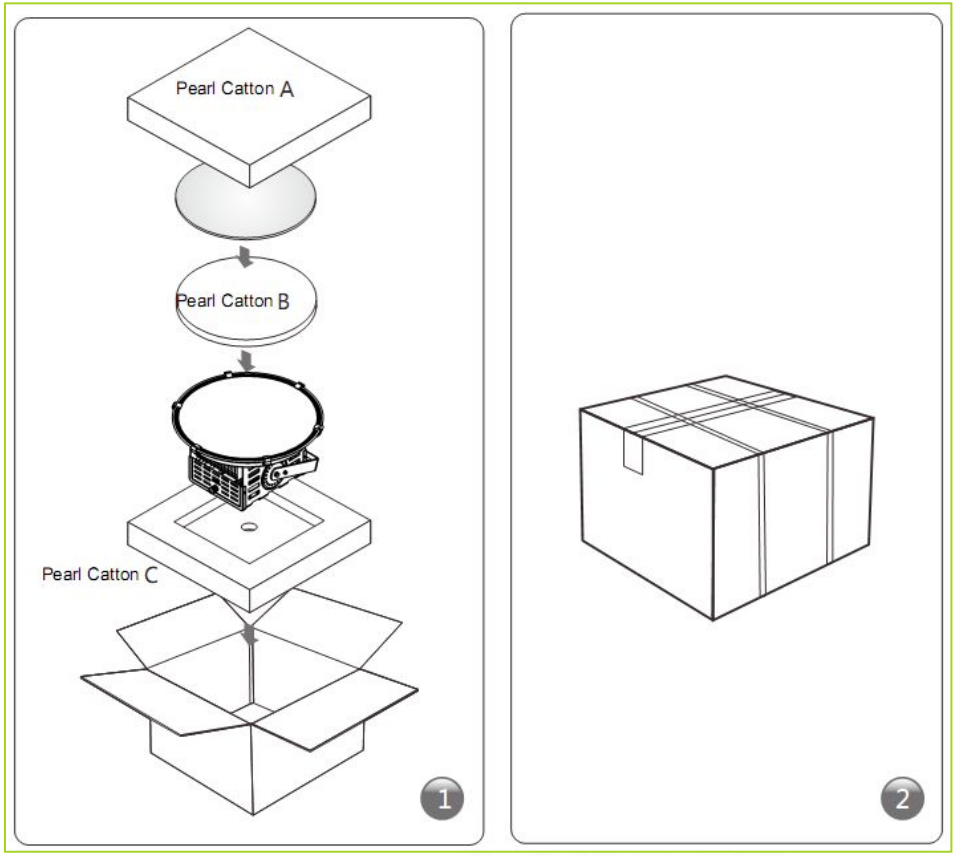
Pcaking Spec.

Item	inner box			Carton		
	Measurement（mm）	Gross weight	Pcs/box	Measurement(mm)	Gross weight	Pcs/carton
TPS-100	375*375*375 mm 0.053m³	5.8 kg	1	375*375*375 mm 0.053m³	5.8 kg	1
TPS-150	375*375*375 mm 0.053m³	6.6 kg	1	375*375*375 mm 0.053m³	6.6 kg	1
TPS-250	565*565*350 mm 0.112m³	7.8 kg	1	565*565*350 mm 0.112m³	7.8 kg	1
TPS-500	570*570*415 mm 0.135m³	9.2 kg	1	570*570*415 mm 0.135m³	9.2 kg	1

Pcaking Spec.

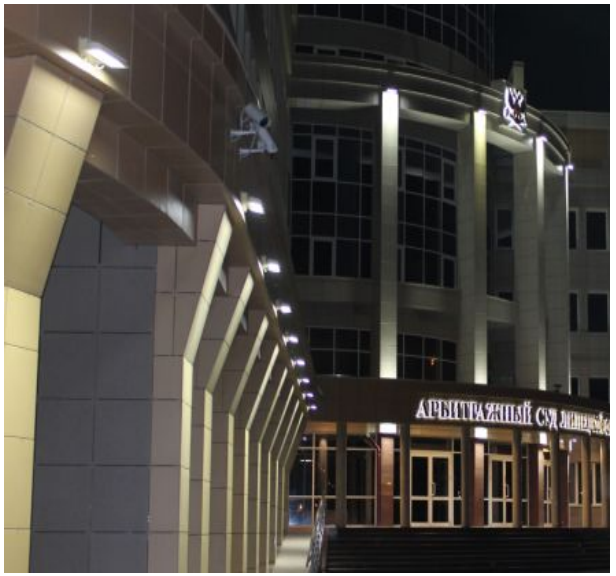


80W-200W



250W-500W

Application



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Application

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Application

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The End

Thanks