

# DEMASLED

## LED HIGHBAY CAMP200W-A1



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## Applications:

the factory premises, petrol stations, exhibition halls, supermarkets and warehouses



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## Description:

- 1.High power LED heat sink has perfectly replaced the traditional 400W to 1000W sodium lamp, this energy-saving cutting edge innovation fills the gap in the led heat sink market.
- 2.Pccooler's four patented technologies: HDT, zipped-fin, compressed pipe making the high power LED heat sink lighter, easy to install, solid in structure, super heat dissipation.
- 3.Modular design, making power diverse, enriching product line.

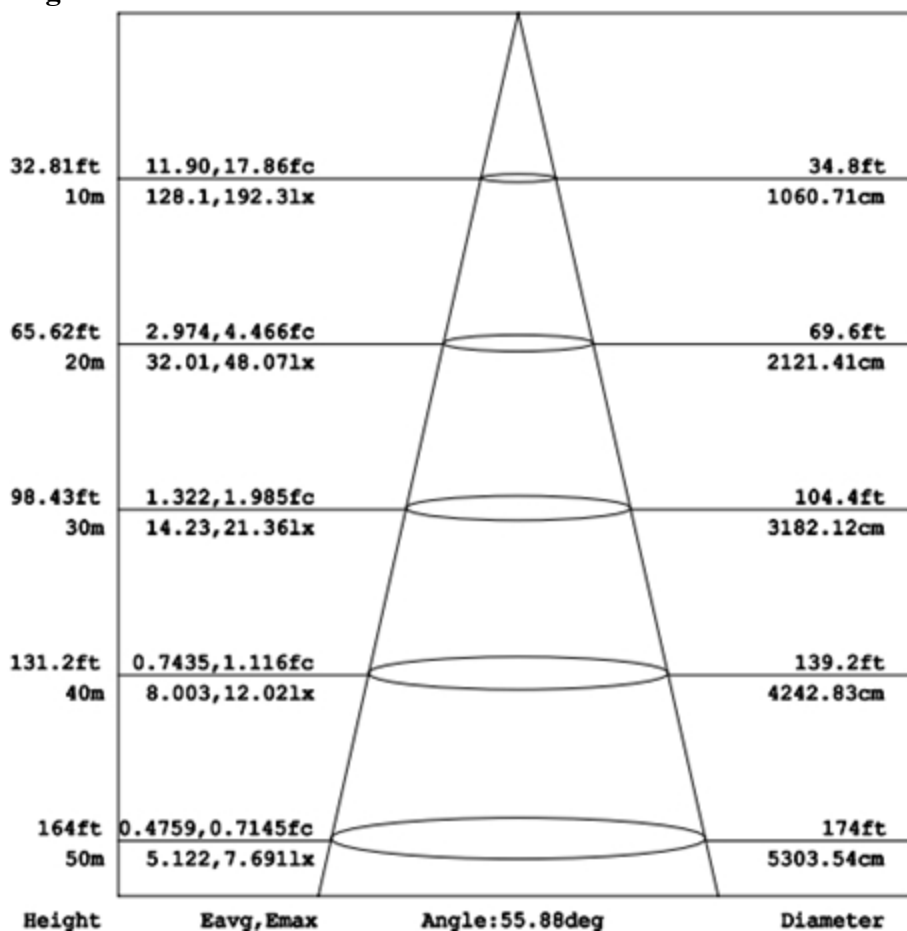


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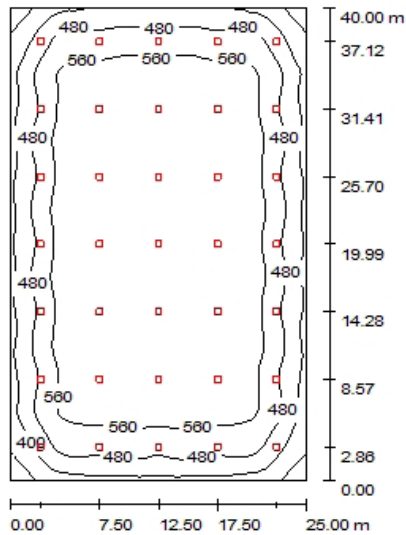
## Technical Characteristics

Items	Technical Parameters
Model	CAMP200W-A1
Input Voltage	AC85-265V 50-60 HZ
Lamp Power	200-210W
Driver	MEANWELL
LED Type	Bridgelux
Luminous Flux	100-110LM/W
CRI	≥80
Power Efficiency	≥0.92
Lamp Effectiveness	>92%
Working Temperature	-40~60°
Ambient Humidity	10%~90%
N.W(kg)	8.5KG

## Lighting Area



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Height of Room: 10.000 m, Mounting Height: 9.200 m, Maintenance factor: 0.80

Values in Lux, Scale 1:505

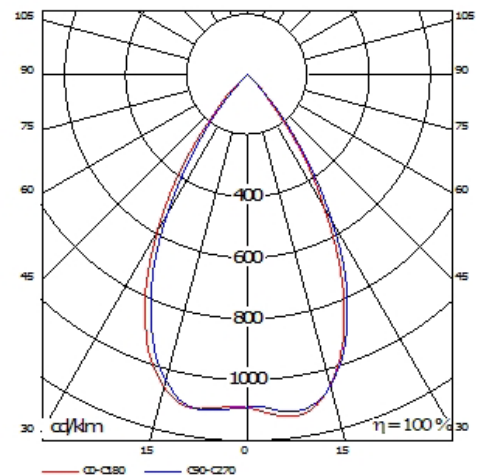
Surface	$\rho$ [%]	$E_{av}$ [lx]	$E_{min}$ [lx]	$E_{max}$ [lx]	$u0$
Workplane	/	532	256	612	0.48
Floor	50	524	261	609	0.50
Ceiling	70	196	123	239	0.63
Walls (4)	50	216	118	321	/

**35PCS CAMP200W-A1**

**Installation Hight: 10M**

**Illumination Area: 1000m<sup>2</sup>**

**Average Illumination: 532LUX**



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Different angles are available to suit the different environment.



**27°**



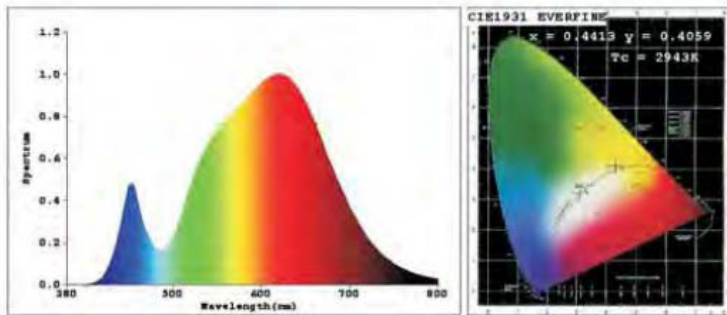
**60°**



**90°**

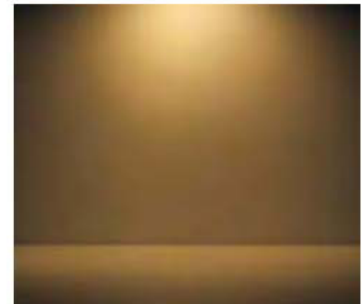
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## The comparison of diffent CCT

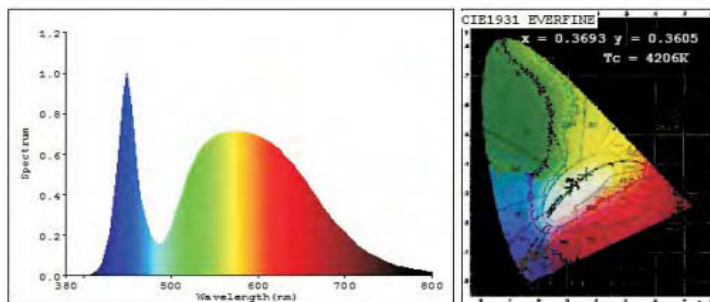


### Color Parameters:

Chromaticity Coordinate:  $x=0.4413$   $y=0.4059/u'=0.2526$   $v'=0.5227$   
 $T_c=2943K$  Dominant WL:  $\lambda_d=583.0nm$  Purity=54.3% Centroid WL:  $602.0nm$   
 Ratio: R=25.2% G=73.0% B=1.9% Peak WL:  $\lambda_p=620.0nm$  HWL:  $163.5nm$   
 Render Index:  $R_a=85.1$   
 R1 =85 R2 =89 R3 =90 R4 =84 R5 =82 R6 =83 R7 =91  
 R8 =77 R9 =44 R10=71 R11=80 R12=61 R13=85 R14=93 R15=83



WW 2700-3200K

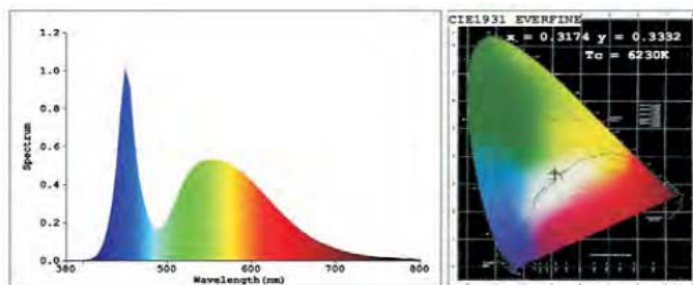


### Color Parameters:

Chromaticity Coordinate:  $x=0.3693$   $y=0.3605/u'=0.2243$   $v'=0.4925$   
 $T_c=4206K$  Dominant WL:  $\lambda_d=581.6nm$  Purity=19.0% Centroid WL:  $574.0nm$   
 Ratio: R=19.3% G=77.9% B=2.9% Peak WL:  $\lambda_p=450.0nm$  HWL:  $23.6nm$   
 Render Index:  $R_a=81.4$   
 R1 =82 R2 =85 R3 =83 R4 =81 R5 =80 R6 =76 R7 =88  
 R8 =76 R9 =34 R10=61 R11=77 R12=51 R13=82 R14=90 R15=82



NW 4000-4500K



### Color Parameters:

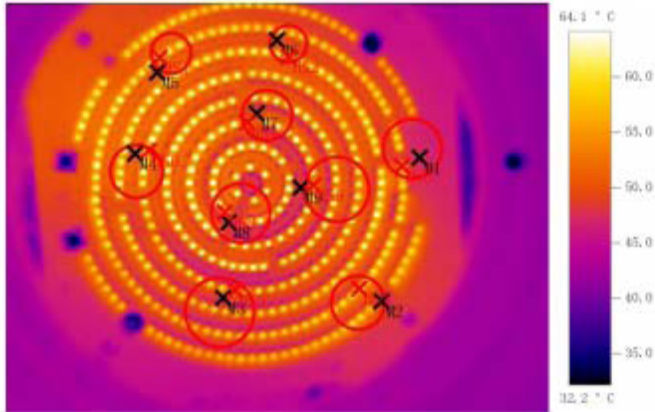
Chromaticity Coordinate:  $x=0.3174$   $y=0.3332/u'=0.1995$   $v'=0.4713$   
 $T_c=6230K$  Dominant WL:  $\lambda_d=491.6nm$  Purity=5.4% Centroid WL:  $545.0nm$   
 Ratio: R=14.0% G=81.8% B=4.2% Peak WL:  $\lambda_p=450.0nm$  HWL:  $24.0nm$   
 Render Index:  $R_a=81$   
 R1 =74 R2 =80 R3 =82 R4 =76 R5 =74 R6 =71 R7 =85  
 R8 =65 R9 =-12 R10=50 R11=71 R12=44 R13=75 R14=90 R15=70



PW 6000-6500K

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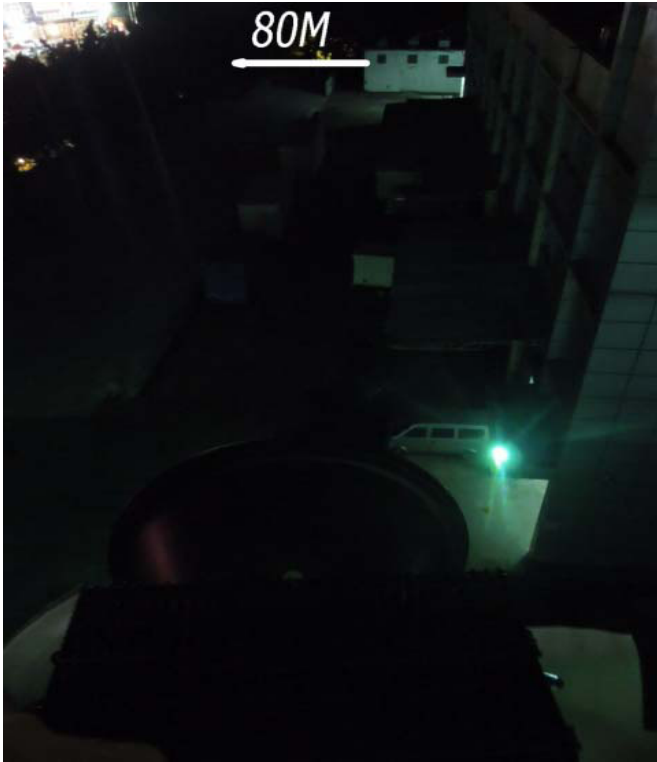
## The Cooling Effectiveness Test



Measuring Object	Temperature[°C]	Radiation Rate	Reflective temperature[°C]	Remarks
Test point M1	56.3	0.95	20	Aluminum Base
Test point M2	58.7	0.95	20	Aluminum Base
Test point M3	52	0.95	20	Aluminum Base
Test point M4	60.3	0.95	20	Aluminum Base
Test point M5	58.9	0.95	20	Aluminum Base
Test point M6	64.8	0.95	20	Aluminum Base
Test point M7	52.2	0.95	20	Aluminum Base
Heat spot HS1	76.6	0.95	20	LED Surface
Heat spot HS2	74	0.95	20	LED Surface
Heat spot HS3	74	0.95	20	LED Surface
Heat spot HS4	73.2	0.95	20	LED Surface
Heat spot HS5	69.1	0.95	20	LED Surface
Heat spot HS6	70	0.95	20	LED Surface
Heat spot HS7	73.5	0.95	20	LED Surface

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## REAL EFFECT

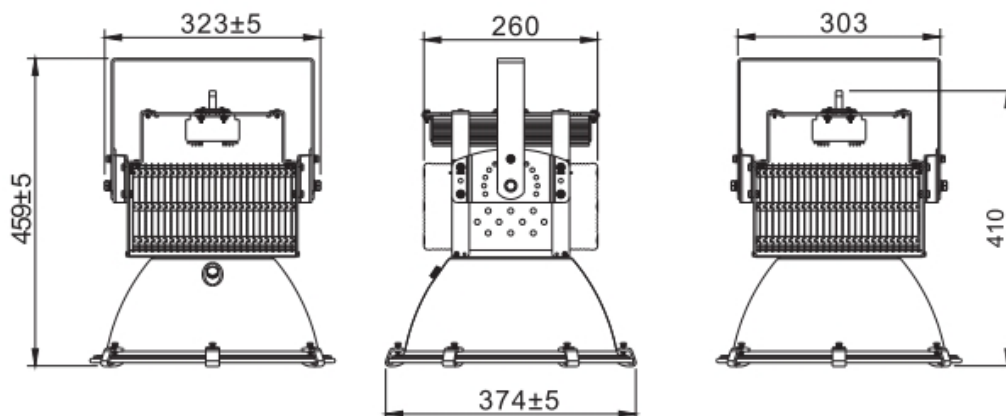


500W Light Off



500W Light On

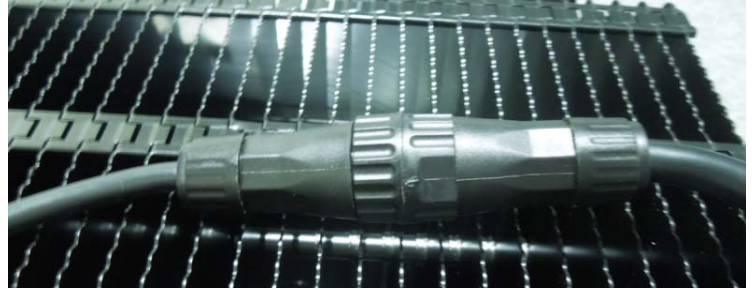
## Size of the lamp



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**Respirator design**



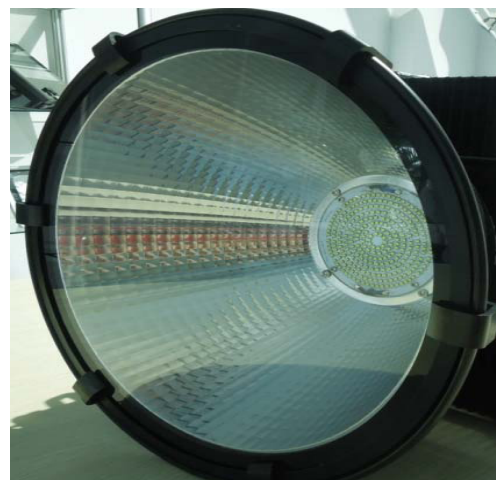
**IP66 waterprof connector**



**two types of reflector 27/60**



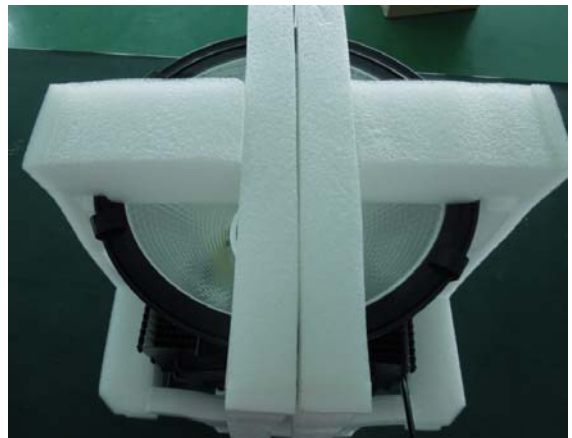
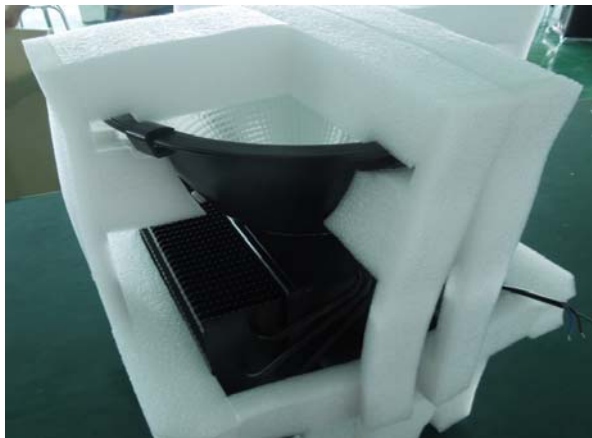
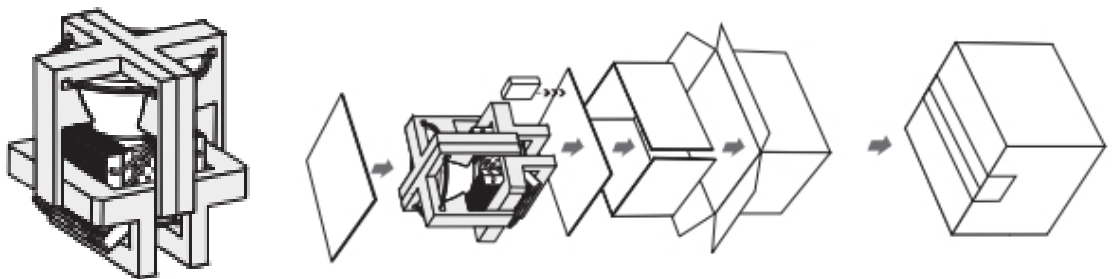
**Copper heatpipe**



**strengthen tempered glass**

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## Packing



	WEIGHT	CARTON		
		SIZE	GROSS WEIGHT	PCS/CARTON
CAMP200W-A	18.5 kg	47*47*56CM	10.7Kg	1PCS

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