

LED FLOOD LIGHT

- HIGH QUALITY LIGHTING
- EASY INSTALLATION
- SAFE AND ENVIRONMENTALLY FRIENDLY
- WATERPROOF AND DURABLE
- SAVING ENERGY



Features

- 50W~300W for choice.
- IP65 Dust free and waterproof
- ETL,cETL,DLC approved
- Aluminum fin heat sink light in weight
- Tempered glass safety to install
- Adjustable bracket change concentrate lighting area
- 120 degree Beam Angle adjustable angle 180 degree.
- 6K High voltage Surge test approved.
- SMD3030 150Lm/W LED chips.
- 100~277V,120V input voltage
- 50,000hrs lifespan
- Ambient operating temperature -40°C to 45° C
- Replace 150~1500W metal halide/HPS
- External No magnetic disturbance driver design
- Application in parking lot,street,Garden,yard etc..



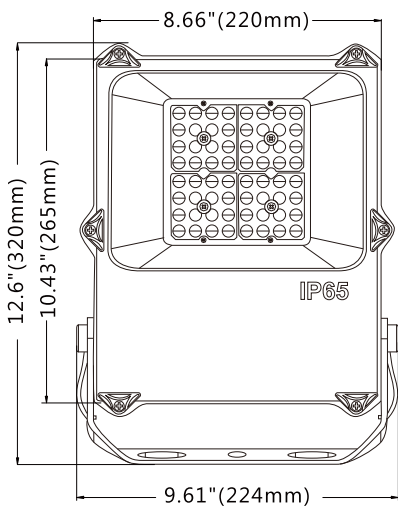
Application

LED Deformable lamp series can be widely used in garage, warehouses, factories and workshops etc.

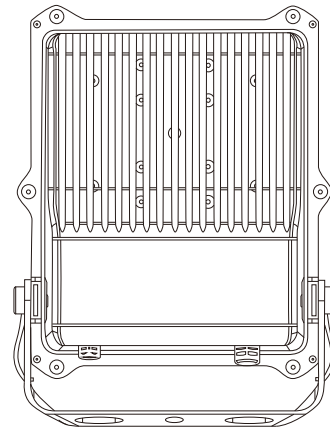
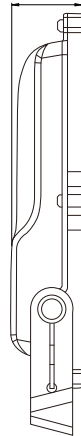


Series	Lumens	Base	Beam Angle (Degree)	Electrical Data	LED Type	Color temperature	Color rendering index
FL-50W	7000 Lm	3 pin wires	90 degree or 120 degree	Input Voltage 120VAC±10% 50~60Hz Power Factor(%) >90	64PCS SMD 3030 Chips	WW 3000K NW 4000K DW 5000K CW 5700K	70 70 CRI 80 80 CRI 90 80 CRI
FL-100W	14000 Lm	3 pin wires	90 degree or 120 degree	Input Voltage 120VAC±10% 50~60Hz Power Factor(%) >90	128PCS SMD 3030 Chips	WW 3000K NW 4000K DW 5000K CW 5700K	70 70 CRI 80 80 CRI 90 80 CRI

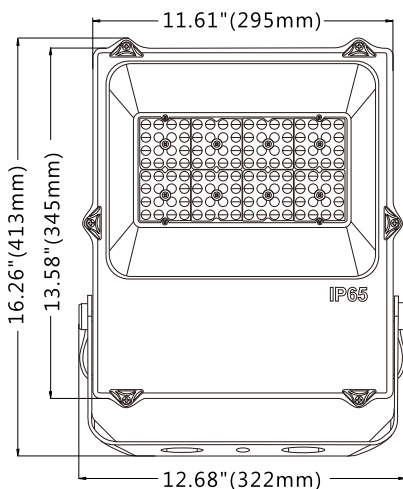
Series	Lumens	Base	Beam Angle (Degree)	Electrical Data	LED Type	Color temperature	Color rendering index
FL-150W	21000 Lm	3 pin wires	90 degree or 120 degree	Input Voltage 120VAC±10% 50~60Hz Power Factor(%) >90	192PCS SMD 3030 Chips	WW 3000K NW 4000K DW 5000K CW 5700K	70 70 CRI 80 80 CRI 90 80 CRI
FL-200W	28000 Lm	3 pin wires	90 degree or 120 degree	Input Voltage 100-277V 50~60Hz Power Factor(%) >90	240PCS SMD 3030 Chips	WW 3000K NW 4000K DW 5000K CW 5700K	70 70 CRI 80 80 CRI 90 80 CRI
FL-240W	33600 Lm	3 pin wires	90 degree or 120 degree	Input Voltage 100-277V 50~60Hz Power Factor(%) >90	384PCS SMD 3030 Chips	WW 3000K NW 4000K DW 5000K CW 5700K	70 70 CRI 80 80 CRI 90 80 CRI
FL-300W	42000 Lm	3 pin wires	90 degree or 120 degree	Input Voltage 100-277V 50~60Hz Power Factor(%) >90	384PCS SMD 3030 Chips	WW 3000K NW 4000K DW 5000K CW 5700K	70 70 CRI 80 80 CRI 90 80 CRI



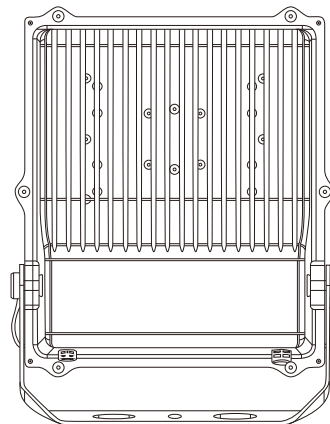
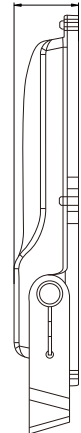
2.1" (53mm)



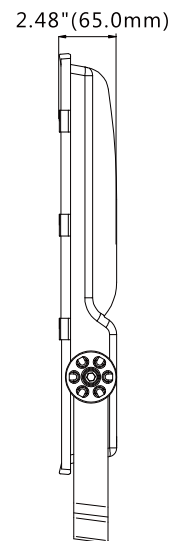
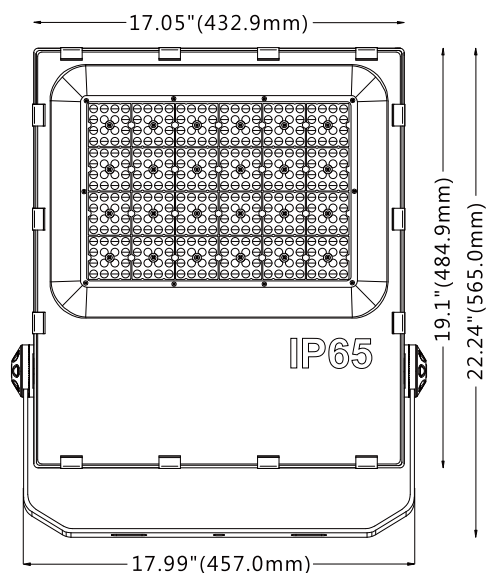
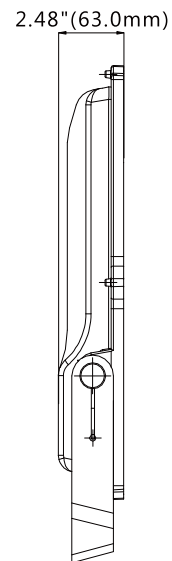
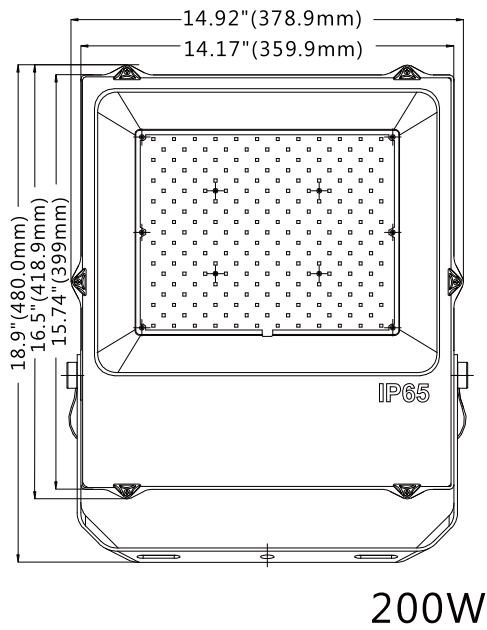
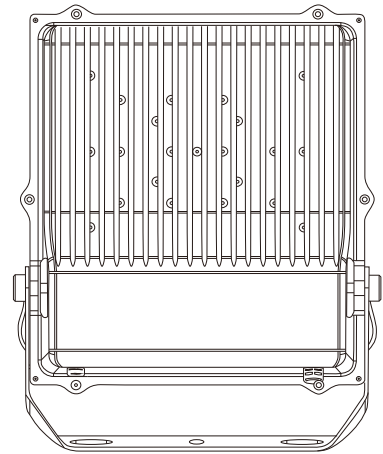
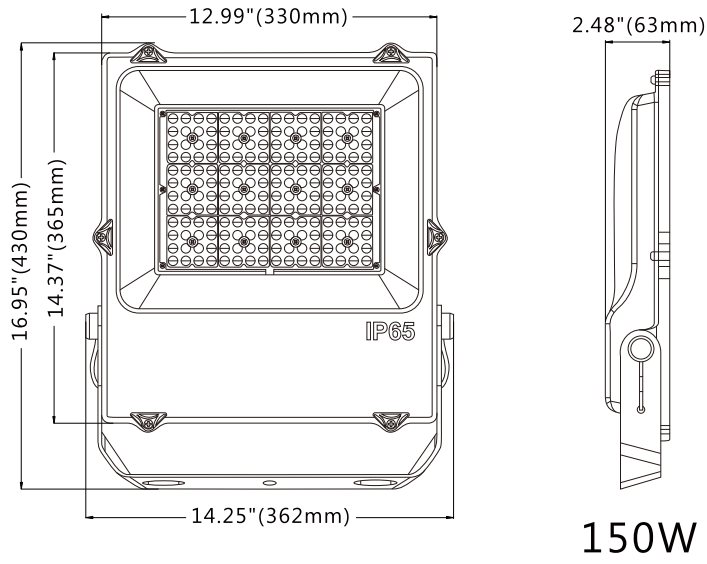
50W



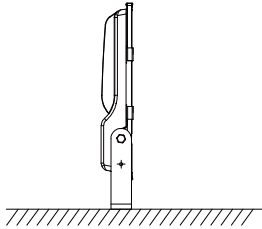
2.48" (63mm)



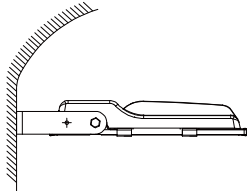
100W



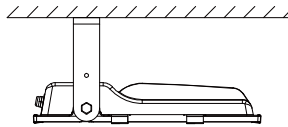
1 Choose the installation



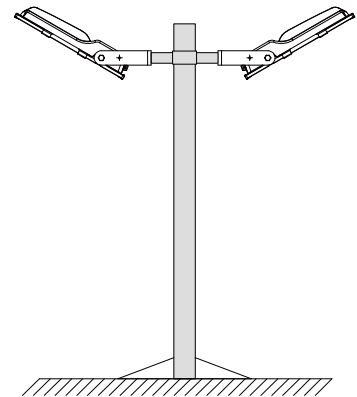
A: Ground installation.



B: Wall installation



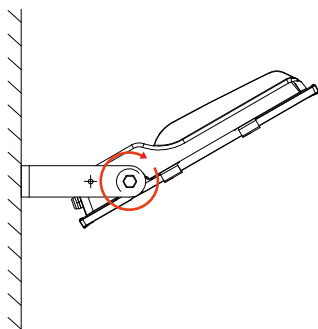
C: Ceiling installation



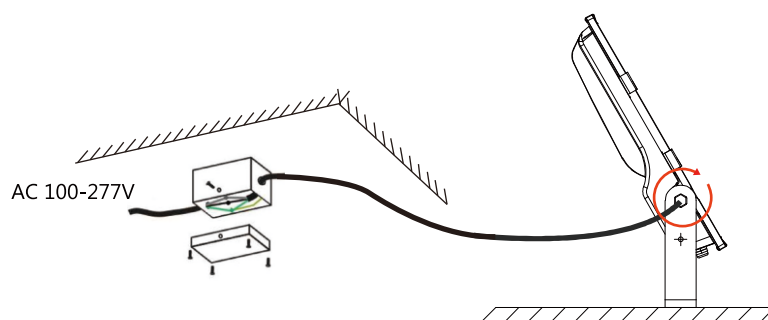
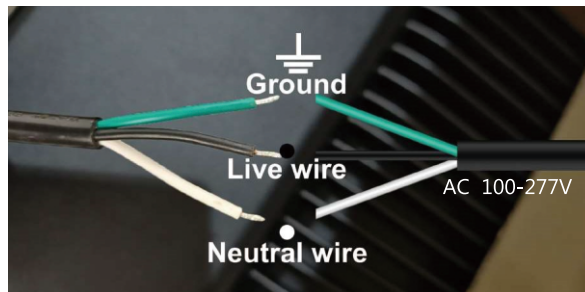
D: Pole installation

2 1. Install the lamp into where you need.

2. Use some expansion Nails to fix the bracket of the lamp.



3. Connect the power cord as following diagram then make waterproof protection.

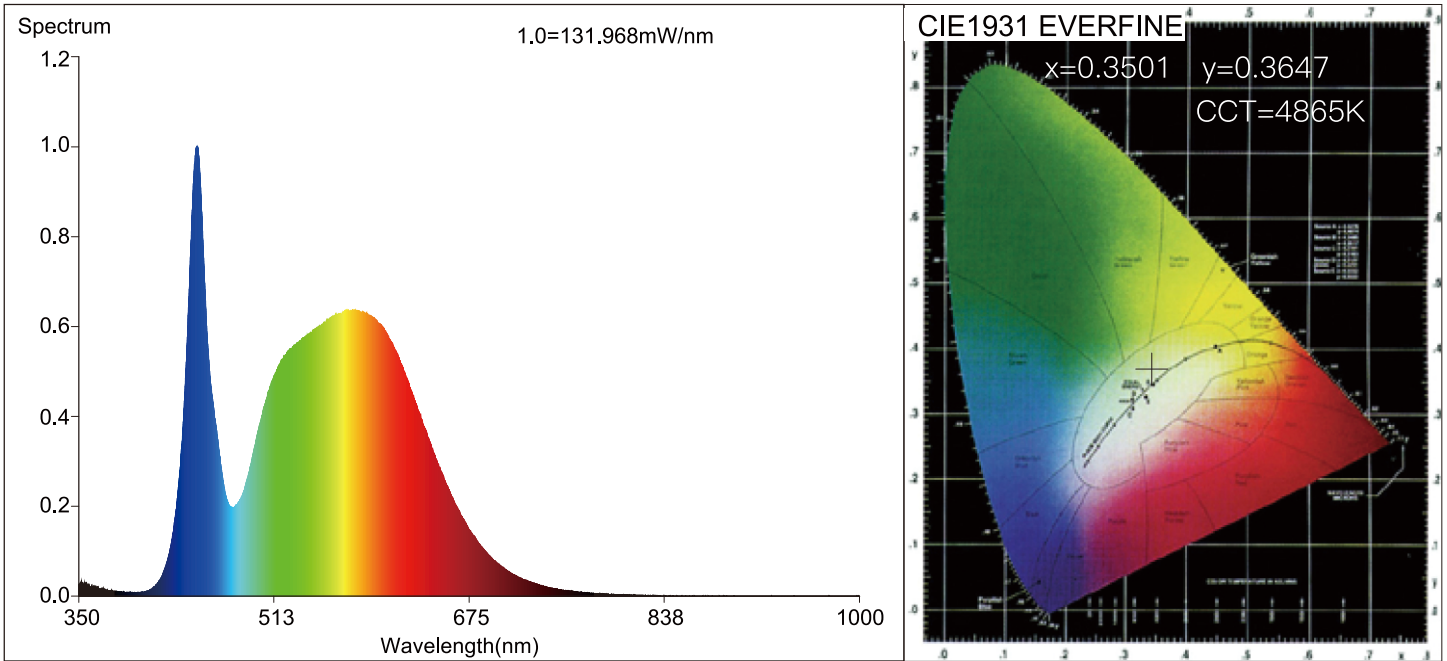


4. Adjust light fixture to the angle as you want, and then fix it.

6. Finally, fix the junction box cover with screws.

5. When you use junctionbox and strain relief, please make sure to follow the installation requirements as below:
 Material: Zinc-iron Turn off power supply.
 The diameter of the hole for power cord do not more than 10mm
 Put the power cordin the junction box, and make a knotin the cord as strain relief.
 Connect the wire in the junction box by close-end connector as following diagram, Please note that the the green/yellow wire should be connected to the ground.

50W LED FLOOD LIGHT



Color Parameters:

Chromaticity Coordinate: $x=0.3501$ $y=0.3647/u'=0.2098$ $v'=0.4916$
 CCT=4865K(Duv=0.0045) Dominant WL:Ld =570.7nm WL:Lc = --nm Purity=14.5%
 Ratio:R=15.5% G=80.6% B=3.9% Peak WL:Lp=448.7nm FWHM=19.7nm
 Render Index:Ra=80.4 AvgR=72.5 TM30:Rf=82 Rg=95 Lav=555.2nm

Eff(PPF)=1.26356

R1 =78 R2 =85 R3 =90 R4 =81 R5 =78 R6 =79 R7 =87
 R8 =65 R9 =0 R10=64 R11=79 R12=55 R13=79 R14=95 R15=72

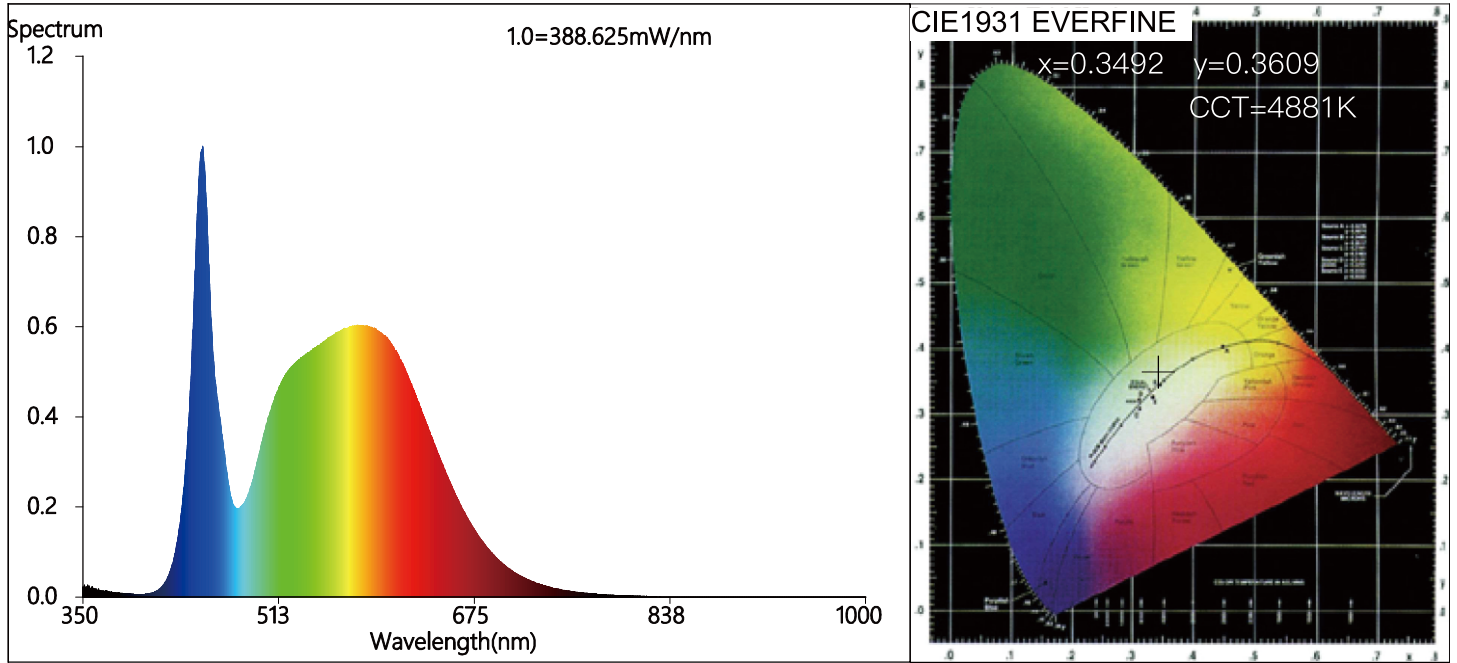
Photo Parameters:

Flux = 7067.15 lm Eff. : 140.5 lm/W Fe = 16.18 W
 Photosynthetic:PPF:72.466umol/s PAR WATT:15797mW(400-700nm)

Electrical parameters:

V = 120.10 V I = 0.4998 A P = 50.3 W PF = 0.9553
 LEVEL:OUT WHITE:ANSI_5000K

100W LED FLOOD LIGHT



Color Parameters:

Chromaticity Coordinate:x=0.3492 y=0.3609/u'=0.2106 v'=0.4897

CCT=4881K(Duv=0.0030) Dominant WL:Ld =571.5nm WL:Lc = --nm Purity=13.1%

Ratio:R=15.7% G=80.2% B=4.1% Peak WL:Lp=449.4nm FWHM=19.3nm

Render Index:Ra=81.7 AvgR=74.1 TM30:Rf=83 Rg=96

Eff(PPF)=1.27770

R1 =80	R2 =86	R3 =91	R4 =82	R5 =80	R6 =80	R7 =88		
R8 =67	R9 =5	R10=67	R11=81	R12=56	R13=81	R14=95	R15=74	

Photo Parameters:

Flux = 18873.8 lm Eff. : 126.5 lm/W Fe = 45.83 W

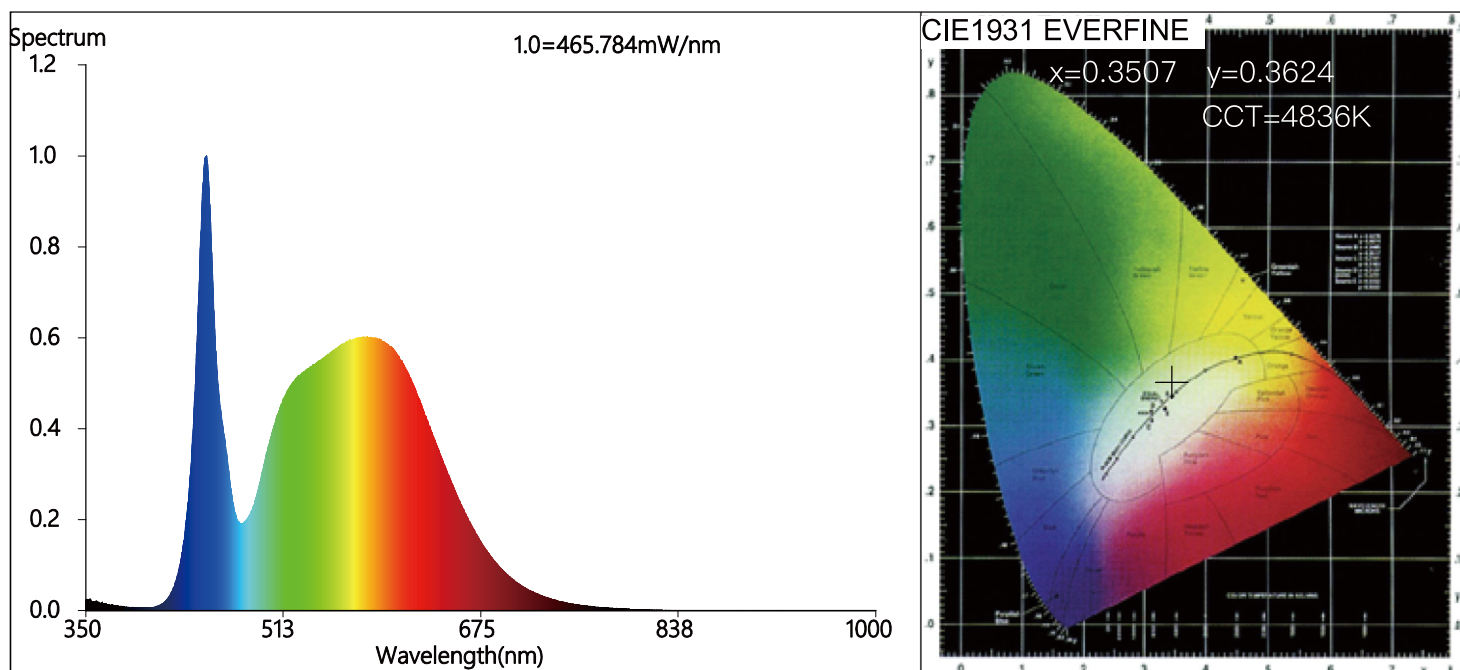
Photosynthetic:PPF:205.45umol/s PAR WATT:44765mW(400-700nm)

Electrical parameters:

V = 119.95 V I = 1.244 A P = 149.2 W PF = 0.9957

LEVEL:OUT WHITE:ANSI_5000K

150W LED FLOOD LIGHT

**Color Parameters:**

Chromaticity Coordinate: $x=0.3507$ $y=0.3624$ $u'=0.2110$ $v'=0.4906$

CCT=4836K(Duv=0.0031) Dominant WL:Ld =571.9nm WL:Lc = --nm Purity=14.0%

Ratio:R=15.9% G=80.1% B=4.0% Peak WL:Lp=449.4nm FWHM=18.6nm

Render Index:Ra=81.8 AvgR=74.3 TM30:Rf=83 Rg=96

Eff(PPF)=1.37111

R1 =80

R2 =86

R3 =91

R4 =82

R5 =80

R6 =81

R7 =88

R8 =67

R9 =6

R10=67

R11=81

R12=56

R13=81

R14=95

R15=74

Photo Parameters:

Flux = 24944.92 lm Eff. : 124.6 lm/W Fe = 54.75 W

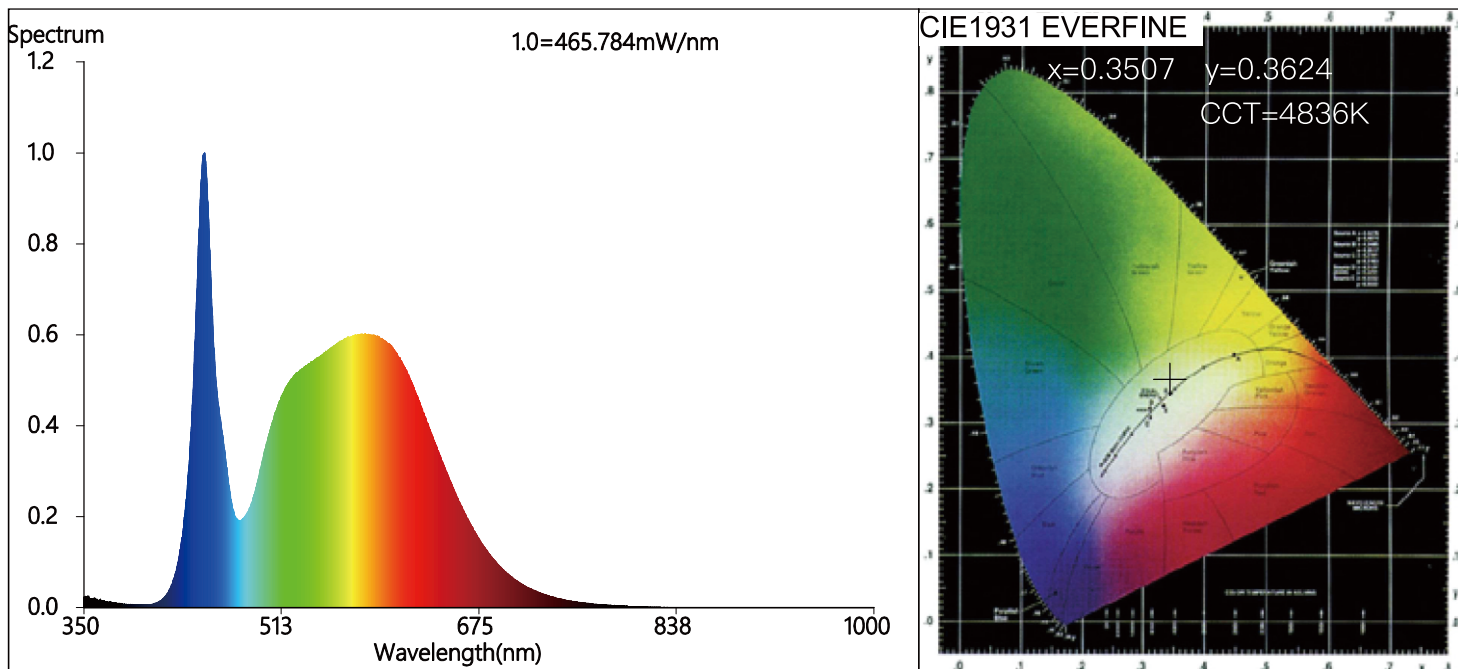
Photosynthetic:PPF:245.7umol/s PAR WATT:53473mW(400-700nm)

Electrical parameters:

V = 119.98 V I = 1.502 A P = 200.2 W PF = 0.9966

LEVEL:OUT WHITE:ANSI_5000K

200W LED FLOOD LIGHT



Color Parameters:

Chromaticity Coordinate: $x=0.3507$ $y=0.3624$ $u'=0.2110$ $v'=0.4906$

CCT=4836K(Duv=0.0031) Dominant WL:Ld =571.9nm WL:Lc = --nm Purity=14.0%

Ratio:R=15.9% G=80.1% B=4.0% Peak WL:Lp=449.4nm FWHM=18.6nm

Render Index:Ra=81.8 AvgR=74.3 TM30:Rf=83 Rg=96

Eff(PPF)=1.37111

R1 =80	R2 =86	R3 =91	R4 =82	R5 =80	R6 =81	R7 =88	
R8 =67	R9 =6	R10=67	R11=81	R12=56	R13=81	R14=95	R15=74

Photo Parameters:

Flux = 24944.92 lm Eff. : 124.6 lm/W Fe = 54.75 W

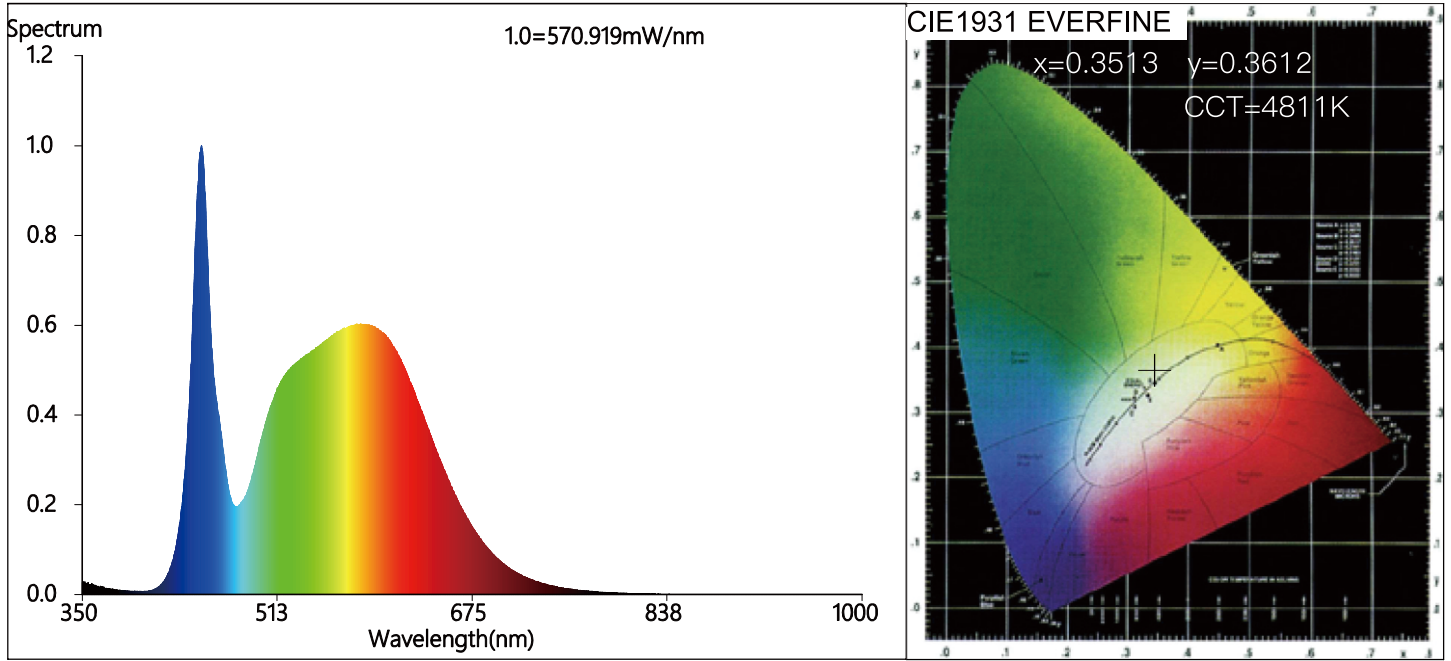
Photosynthetic:PPF:245.7umol/s PAR WATT:53473mW(400-700nm)

Electrical parameters:

V = 119.98 V I = 1.502 A P = 200.2 W PF = 0.9966

LEVEL:OUT WHITE:ANSI_5000K

240W LED FLOOD LIGHT



Color Parameters:

Chromaticity Coordinate: $x=0.3513$ $y=0.3612$ / $u'=0.2119$ $v'=0.4902$

CCT=4811K(Duv=0.0023) Dominant WL:Ld =572.8nm WL:Lc = --nm Purity=13.8%

Ratio:R=16.0% G=79.9% B=4.1% Peak WL:Lp=449.4nm FWHM=18.8nm

Render Index:Ra=82.2 AvgR=74.9 TM30:Rf=83 Rg=96

Eff(PPF)=1.28611

R1 =80	R2 =87	R3 =91	R4 =82	R5 =81	R6 =81	R7 =88		
R8 =68	R9 =8	R10=68	R11=81	R12=56	R13=82	R14=95	R15=75	

Photo Parameters:

Flux = 30502.56 lm Eff. : 127.2 lm/W Fe = 67.01 W

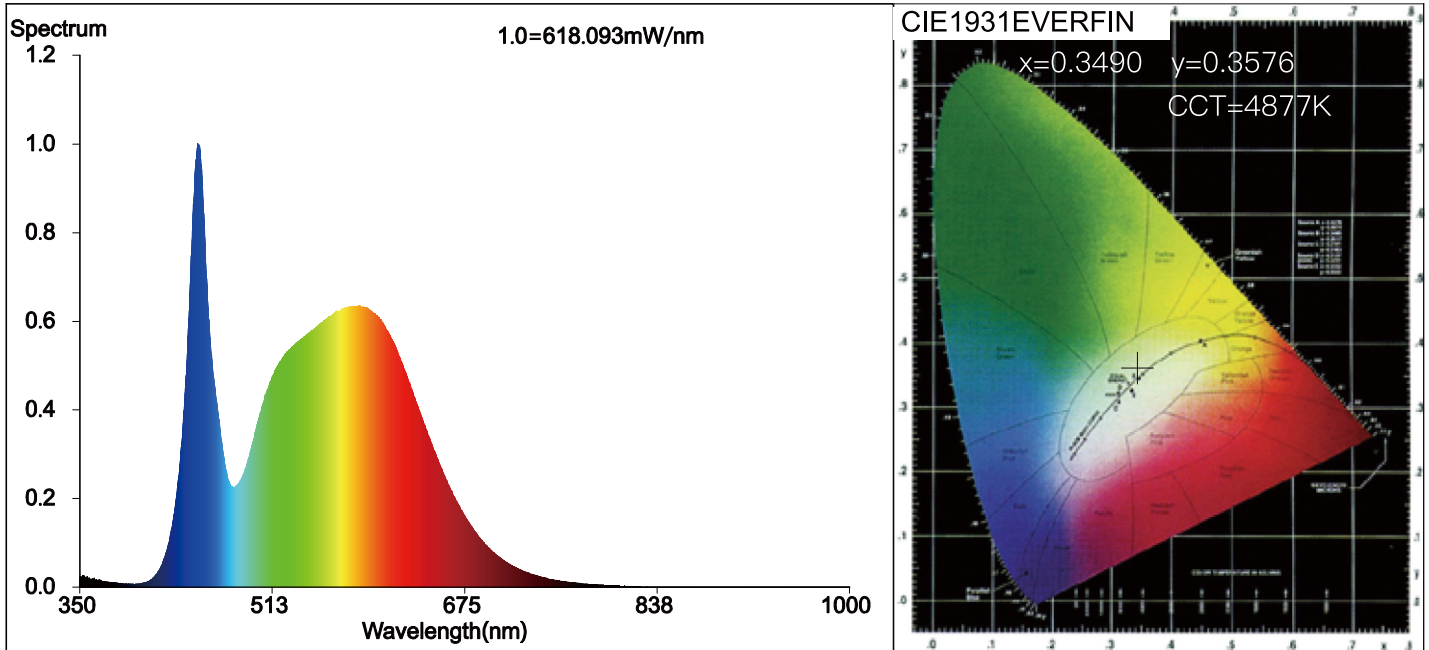
Photosynthetic:PPF:300.7umol/s PAR WATT:65426mW(400-700nm)

Electrical parameters:

V = 119.94 V I = 1.799 A P = 239.8 W PF = 0.9920

LEVEL:OUT WHITE:ANSI_5000K

300W LED FLOOD LIGHT



Color Parameters:

Chromaticity Coordinate: $x=0.3490$ $y=0.3576$ / $u'=0.2117$ $v'=0.4882$

CCT=4877K(Duv=0.0015) Dominant WL:Ld =572.8nm WL:Lc = --nm Purity=12.0%

Ratio:R=16.0% G=79.8% B=4.2% Peak WL:Lp=449.5nm FWHM=21.6nm

Render Index:Ra=82.6 vgR=75.4 TM30:Rf=83 Rg=96

Eff(PPF)=1.21119

R1 =81	R2 =87	R3 =92	R4 =82	R5 =81	R6 =82	R7 =88	
R8 =68	R9 =9	R10=69	R11=81	R12=58	R13=82	R14=95	R15=76

Photo Parameters:

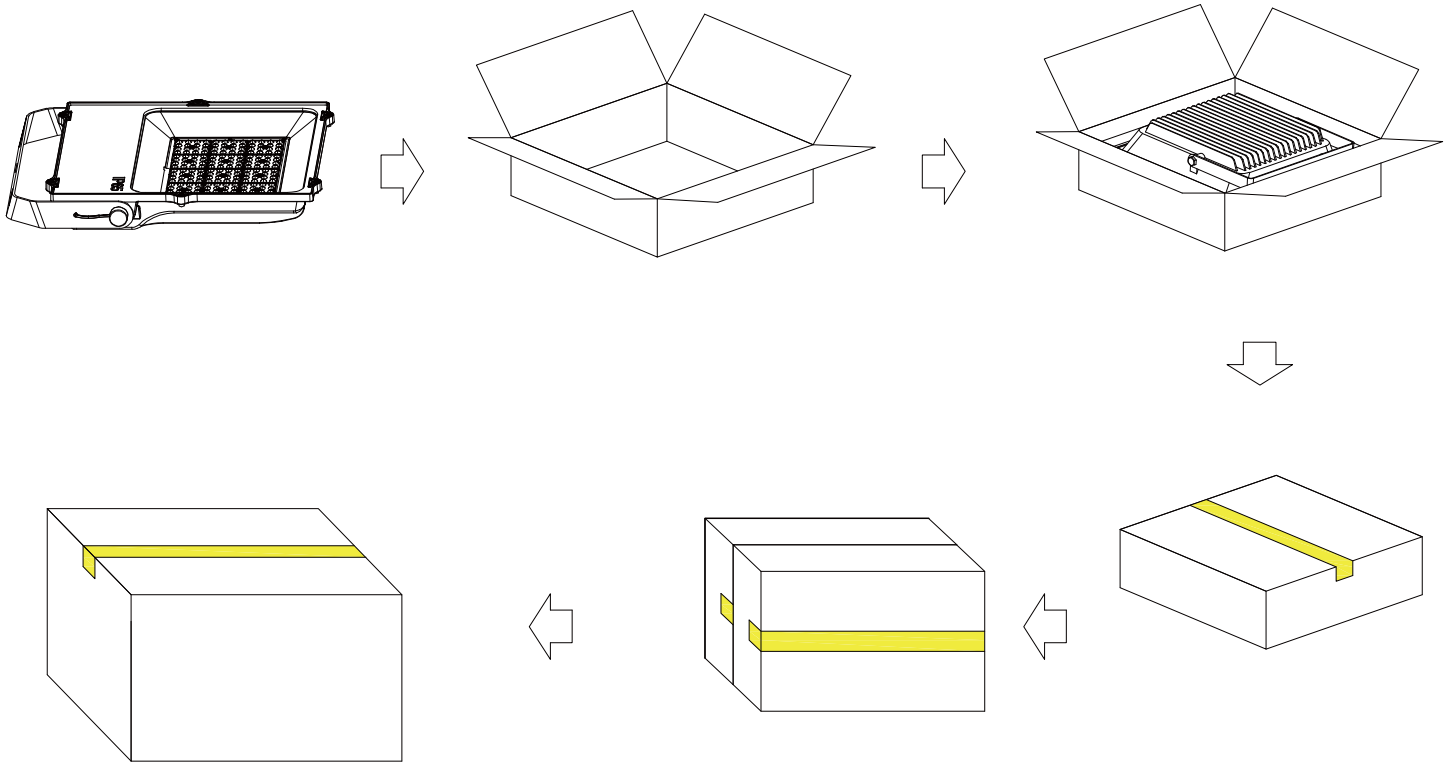
Flux = 37364.46 lm Eff. : 125.3 lm/W Fe = 76.92W

Photosynthetic:PPF:344.63umol/s PR WTT:75112mW(400-700nm)

Electrical parameters:

V = 119.96 V I = 2.389 P = 298.2 W PF = 0.99

LEVEL:OUT WHITE:NSI_5000K



Power	Unit	Size	Grass weight	Volume
50W	8PCS	510X375X275mm	18.0 Kg	0.053m ³
100W	3PCS	505X460X420mm	15.0 Kg	0.098m ³
150W	2PCS	537X310X460mm	13.0 Kg	0.077m ³
200W	2PCS	577X310X490mm	14.4 Kg	0.088m ³
240W	1PCS	610X500X125mm	10.0 Kg	0.038m ³
300W	1PCS	610X500X125mm	10.5Kg	0.038m ³