

PRODUCT DESCRIPTION

The StadiumPro Series reaches new heights with the Series III! This Light is RGB capable allowing you access to a whole lot of customization options, it offers versatile mounting options and advanced optics. The Stadium Pro IV is UL Listed and, solidifying its status as the Pinnacle of sports lighting!

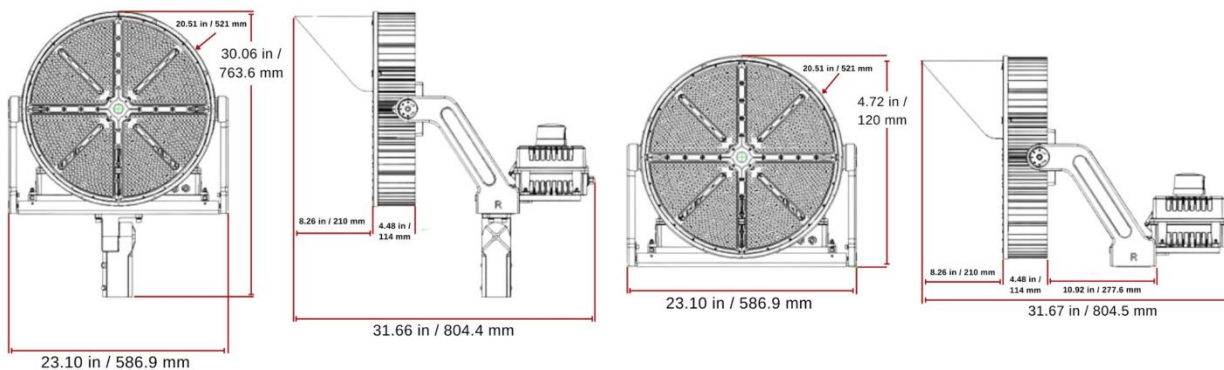


PART #: RGL-STADIUMPRO-3-1200W-RGB

PRODUCT FEATURES & COMMON USE APPLICATIONS

- UL cUL certificate
- Wattage adjustable
- Input voltage 120-277 Vac
- No UV or IR in the beam
- Easy to install and operate
- Energy saving, long lifespan
- Instant start, NO flickering, NO humming
- Green and eco-friendly without mercury
- Output constant current lever can be adjusted through output cable with 0-10V.
- Gymnasium;
- Square plaza;
- Shipyard, Airport, wharf;
- High mast and Contour lighting, etc.

PRODUCT DIMENSIONS



LEGENDARY USA SUPPORT



US based phone and online customer support



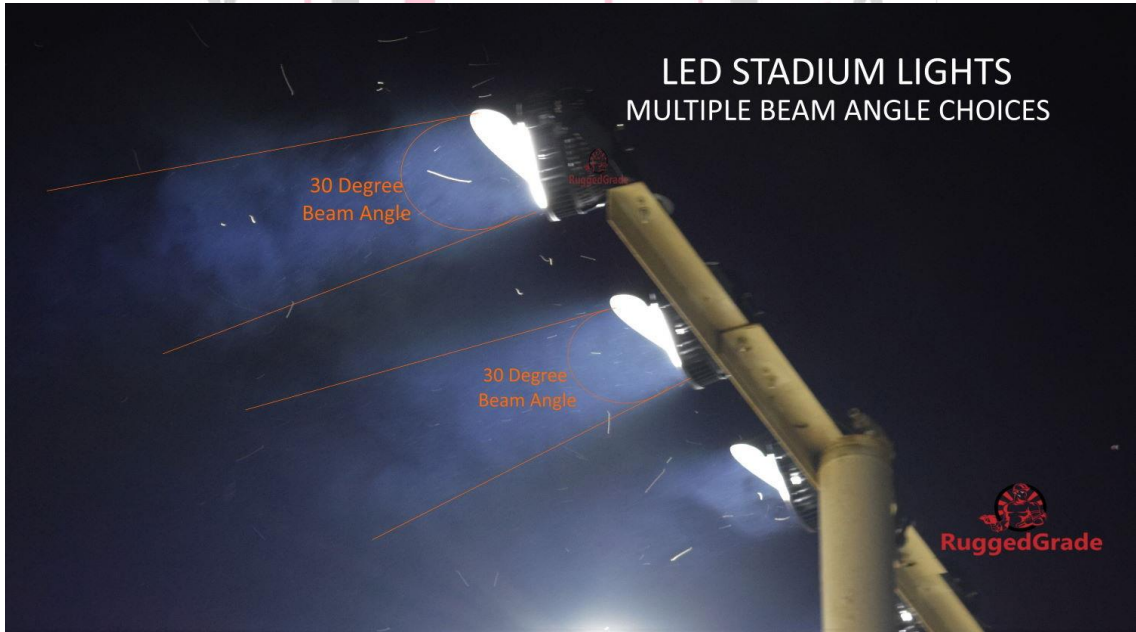


PRODUCT TECHNICAL SPECIFICATIONS

OPTICAL	Input Power (Tolerance : ±10%)	1200W : 300W(R)+300W(G)+300W(B)+300W(W)				
	Color Temperature	R	G	B	W	RGBW
	Dominant Wavelength/CCT	617.6 nm	548.9 nm	454.3 nm	454.3 nm	470.3 nm
	Lumen (Tolerance : ±10%)	7288 lm	45257 lm	3632 lm	42484 lm	92064 lm
	Efficacy (Tolerance : ±3%)	21.2 lm/w	134.2 lm/w	10.8 lm/w	132.1	72.4 lm/w
	CRI	56.8	24.1	-63.8	74.3	81.9
	Color Consistency	< 6 Steps (or < 6 SDCM)				
	BUG	B5-U0-G5				
	Distribution Pattern	NEMA:4				
	Beam Angle (50%) (Tolerance : ±15%)	30°				
ELECTRICAL	Input Voltage and Frequency	120-277 VAC, 50/60Hz				
	PF (Tolerance : -3%)	≥0.9				
	THD (Tolerance : +5%)	≤20%				
	Flicker Percent	<5%				
	Driver Brand	HBE				
	Driver Model	uPowerTek Lighting Driver				
	Driver Surge protection	HB-32CE-60BH*4PCS				
	Dimming	DMX512 dimming standard				
	Sensor Type	Daylight Sensor, Integral Sensor Receptacle				
	Optional Accessory	Sensor Receptacle, Photosensor ,Sensor Receptacle, Short Cap, Surge-protective Device				
MATERIALS	LED Brand	OSRAM				
	LED Type	SMD3030				
	LED QTY	280 PCS (R) +280 PCS (G) +280 PCS (B) +280 PCS (W)				
	Housing	Die-cast aluminum				
	Housing Color	Black, Bronze or Customized				
	Waterproof Rating	WET (IP65)				
OTHERS	Operating Temperature	-20°C TO 45°C				
	Storage Temperature	-20°C TO 80°C				
	Operating Humidity	20% - 90% RH				
	Storage Humidity	10% - 95% RH				
	Warranty	5 years				
	EPA	3.4 ft ²				



PRODUCT IMAGES & ACTUAL INSTALLATIONS



PHOTOMETRICS FOR RGBW

1200W-RGBW

Luminaire Property

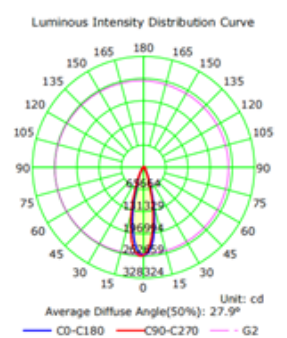
Luminaire Manufacturer:
 Voltage: 280.3 V
 Power: 1273.00 W

Current: 4.753 A
 Power Factor: 0.956

Photometric Results

IES Classification: Type I
 Total Rated Lamp Lumens: 92063.9 lm
 Efficiency: 100%
 Upward Ratio: 1%
 Central Intensity: 259991.05 cd
 Pos of Max. Intensity: H292.5 V2

Longitudinal Classification: Very Short
 Measurement Flux: 92063.9 lm
 Downward Ratio: 99%
 Luminaire Efficacy Rating (LER): 72.37
 Max. Intensity: 262659.54 cd

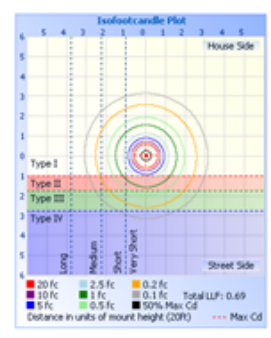


Luminous Intensity Distribution Curve

Average Diffuse Angle(50%): 27.9°

Unit: cd

— C0-C180 — C90-C270 — G2



Isofootcandle Plot

House Side

Street Side

Type I
Type II
Type III
Type IV

LONG Medium Short Very Short

20 fc 10 fc 5 fc 2.5 fc 1 fc 0.5 fc 0.2 fc 0.1 fc

50% Max Cd

Total LUF: 0.69

Distance in units of mount height (20ft) --- Max Cd

Lightsource Test Report (1/2)

Product Information

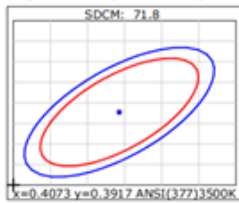
Product Number: 2374

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.2591$ $y=0.2373$ $u(u')=0.1945$ $v=0.2672$ $v'=0.4008$
 CCT: $T_c=35600K$ ($du_{uv}=-0.01305$)
 Peak Wavelength: 449.8nm
 Dominant Wavelength: 470.6nm
 CRI: Ra= 81.9
 TM30: Rf= 74, Rg= 105

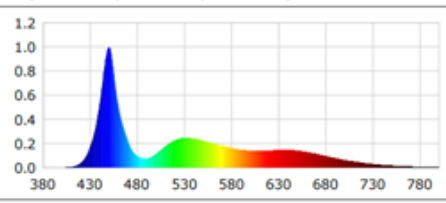
R1 =91	R2 =84	R3 =60	R4 =87	R5 =91	R6 =73	R7 =86	R8 =84
R9 =59	R10=54	R11=87	R12=46	R13=91	R14=77	R15=86	

Color Quality Scale: Qa= 78.1, Qf= 70.8, Qp= 93.1, Qg=107.1
 Q1 =97 Q2 =92 Q3 =69 Q4 =56 Q5 =72 Q6 =86 Q7 =95 Q8 =96
 Q9 =77 Q10=72 Q11=68 Q12=75 Q13=85 Q14=97 Q15=98



SDCM: 71.8

$x=0.4073$ $y=0.3917$ ANSI(J77)3500K



380 430 480 530 580 630 680 730 780

Photometric Parameters

Luminous Flux: 51781.69 lm	Efficiency: 40.68 lm/W	Radiant Power: 228.513 W
EIE: 0.33	Energy Efficiency Class: B (EU 874-2012)	
PAR: 220.648 W	PPF: 967.892 umol/s	R/B: 0.5
PF1: 383.062 umol/s(400~500nm)	PF2: 335.306 umol/s(500~600nm)	
PF3: 249.515 umol/s(600~700nm)	PFfr: 49.746 umol/s(700~800nm)	PPE: 0.760 umol/s/w PF: 1017.785 umol/s

Electric Parameters

Voltage: 279.60V	Current: 4.7620A	Power: 1273.00W
Power Factor: 0.9570	Frequency: 0.00Hz	



PHOTOMETRICS FOR RED

1200W-RGBW-R

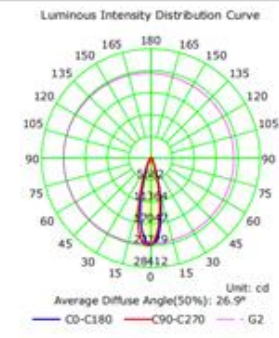
Luminaire Property

Luminaire Manufacturer:	Current: 1.525 A
Voltage: 281.5 V	Power Factor: 0.803
Power: 344.89 W	

Photometric Results


IES Classification: Type I	Longitudinal Classification: Very Short
Total Rated Lamp Lumens: 7287.9 lm	Measurement Flux: 7287.9 lm
Efficiency: 100%	Downward Ratio: 99%
Upward Ratio: 1%	Luminaire Efficacy Rating (LER): 21.18
Central Intensity: 22421.03 cd	Max. Intensity: 22729.93 cd
Pos of Max. Intensity: H270 V2	

Luminous Intensity Distribution Curve



Unit: cd
Average Diffuse Angle(50%): 26.9°
— CO-C180 — CP0-C270 — G2

Footcandle Plot



Distance in units of mount height (20ft) ... Max Cd

Lightsource Test Report (1/2)

Product Information
Product Number: 2370

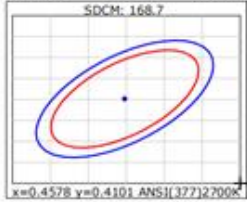
CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.6699$ $y=0.3147$ $u(u')=0.4930$ $v=0.3473$ $v'(v)=0.5210$
 CCT: $T_c=1000K$ ($duv=-0.04541$) Color Ratio: $R=0.815$ $G=0.184$ $B=0.001$
 Peak Wavelength: 651.5nm Half Bandwidth: 87.2nm
 Dominant Wavelength: 617.5nm Color Purity: 0.954
 CRI: $R_a=56.8$ TM30: $R_f=14$, $R_g=-1$

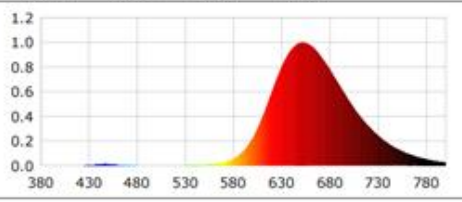
R1 =44	R2 =83	R3 =70	R4 =31	R5 =50	R6 =90	R7 =57	R8 =30
R9 =-36	R10=81	R11=31	R12=78	R13=53	R14=83	R15=38	

Color Quality Scale: $Q_a=-1.5$, $Q_f=-1.5$, $Q_p=-1.5$, $Q_g=-1.5$
 $Q_1=8$ $Q_2=12$ $Q_3=17$ $Q_4=13$ $Q_5=11$ $Q_6=11$ $Q_7=4$ $Q_8=0$
 $Q_9=0$ $Q_{10}=0$ $Q_{11}=0$ $Q_{12}=0$ $Q_{13}=0$ $Q_{14}=0$ $Q_{15}=0$

SDCM: 168.7



$x=0.4578$ $y=0.4101$ ANS1(377)2700K



Photometric Parameters

Luminous Flux: 3520.17 lm	Efficiency: 10.38 lm/W	Radiant Power: 36.147 W
EEL: 1.31	Energy Efficiency Class: E (EU 874-2012)	
PAR: 29.635 W	PPF: 160.902 umol/s	R/B: 180.6
PF1: 0.587 umol/s(400~500nm)	PF2: 6.370 umol/s(500~600nm)	
PF3: 153.945 umol/s(600~700nm)	PFr: 41.390 umol/s(700~800nm)	PPE: 0.474 umol/s/w PF: 202.299 umol/s

Electric Parameters

Voltage: 281.40V	Current: 1.4980A	Power: 339.20W
Power Factor: 0.8050	Frequency: 0.00Hz	



PHOTOMETRICS FOR GREEN

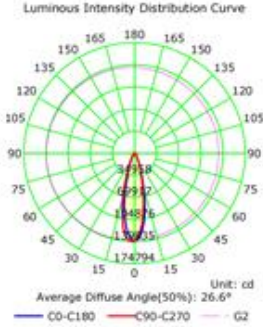
1200W-RGBW-G

Luminaire Property

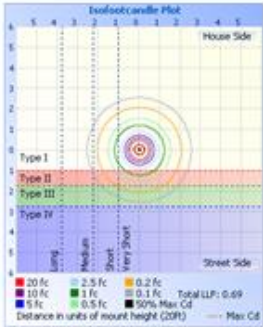
Luminaire Manufacturer:
 Voltage: 281.7 V Current: 1.495 A
 Power: 337.30 W Power Factor: 0.801

Photometric Results

IES Classification: Type I Longitudinal Classification: Very Short
 Total Rated Lamp Lumens: 45256.6 lm Measurement Flux: 45256.6 lm
 Efficiency: 100% Downward Ratio: 99%
 Upward Ratio: 1% Luminaire Efficacy Rating (LER): 134.22
 Central Intensity: 138116.89 cd Max. Intensity: 139835.72 cd
 Pos of Max. Intensity: H292.5 V2



Unit: cd
 Average Diffuse Angle(50%): 26.6°
 — CO-C180 — C90-C270 — G2



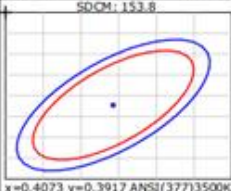
House Side
 Street Side
 Type I
 Type II
 Type III
 Type IV
 Long
 Medium
 Short
 Very Short

Lightsource Test Report (1/2)

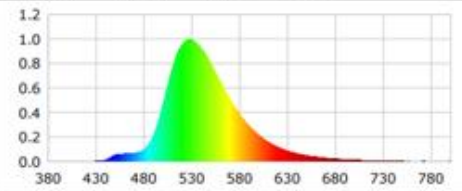
Product Information
 Product Number: 2371

CIE Colorimetric Parameters
 Chromaticity coordinates: $x=0.3046$ $y=0.6016$ $u(u^*)=0.1268$ $v=0.3756$ $v^*=0.5634$
 CCT: $T_c=5984K$ ($duv=0.09816$) Color Ratio: $R=0.041$ $G=0.937$ $B=0.022$
 Peak Wavelength: 528.8nm Half Bandwidth: 70.2nm
 Dominant Wavelength: 549.0nm Color Purity: 0.734
 CRI: Ra= 24.1 TM30: Rf= 37, Rg= 42

R1 = 8	R2 = 38	R3 = 50	R4 = -5	R5 = 19	R6 = 35	R7 = 48	R8 = 1
R9 = -241	R10 = -14	R11 = -23	R12 = 8	R13 = 11	R14 = 74	R15 = -6	
Color Quality Scale: Qa= 18.3, Qf= 22.3, Qp= 6.1, Qg= 29.7							
Q1 = 25	Q2 = 39	Q3 = 65	Q4 = 70	Q5 = 51	Q6 = 21	Q7 = 4	Q8 = 4
Q9 = 8	Q10 = 1	Q11 = 16	Q12 = 23	Q13 = 30	Q14 = 5	Q15 = 17	



$x=0.4073$ $y=0.2917$ ANSI (377)3500K



Photometric Parameters

Luminous Flux: 24087.24 lm	Efficiency: 72.10 lm/W	Radiant Power: 49.218 W
EEI: 0.19	Energy Efficiency Class: A (EU 874-2012)	
PAR: 49.018 W	PPF: 222.708 umol/s	R/B: 0.9
PF1: 18.689 umol/s(400~500nm)	PF2: 182.469 umol/s(500~600nm)	
PF3: 21.550 umol/s(600~700nm)	PF4: 1.255 umol/s(700~800nm)	PPE: 0.667 umol/s/w PF: 223.974 umol/s

Electric Parameters

Voltage: 281.50V	Current: 1.4790A	Power: 334.10W
Power Factor: 0.8020	Frequency: 0.00Hz	



PHOTOMETRICS FOR BLUE

1200W-RGBW-B

Luminaire Property

Luminaire Manufacturer:
Voltage: 281.8 V
Power: 338.20 W

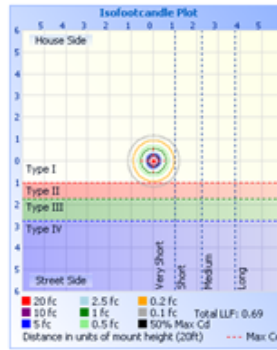
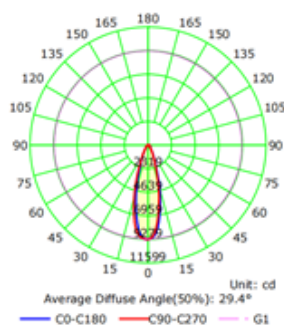
Current: 1.495 A
Power Factor: 0.803

Photometric Results

IES Classification: Type I
Total Rated Lamp Lumens: 3631.9 lm
Efficiency: 100%
Upward Ratio: 1%
Central Intensity: 9264.02 cd
Pos of Max. Intensity: H202.5 V1

Longitudinal Classification: Very Short
Measurement Flux: 3631.9 lm
Downward Ratio: 99%
Luminaire Efficacy Rating (LER): 10.79
Max. Intensity: 9279.98 cd

Luminous Intensity Distribution Curve



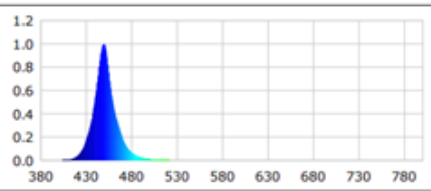
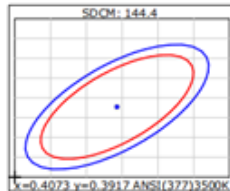
Lightsource Test Report (1/2)

Product Information

Product Number: 2372

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.1537$ $y=0.0250$ $u(u^*)=0.2054$ $v=0.0502$ $v^*=0.0753$
 CCT: $T_c=100000K$ ($duv=-0.21716$) Color Ratio: $R=0.006$ $G=0.075$ $B=0.919$
 Peak Wavelength: 449.6nm Half Bandwidth: 20.2nm
 Dominant Wavelength: 454.3nm Color Purity: 0.990
 CRI: $R_a=-63.8$ TM30: $R_f=0$, $R_g=71$
 $R1=-15$ $R2=-59$ $R3=-164$ $R4=-98$ $R5=-1$ $R6=-69$ $R7=-62$ $R8=-43$
 $R9=-272$ $R10=-262$ $R11=-126$ $R12=-142$ $R13=-38$ $R14=-40$ $R15=4$
 Color Quality Scale: $Q_a=0.0$, $Q_f=0.0$, $Q_p=0.0$, $Q_g=9.1$ $Q6=0$ $Q7=0$ $Q8=0$
 $Q1=0$ $Q2=0$ $Q3=0$ $Q4=17$ $Q5=0$ $Q9=0$ $Q10=0$ $Q11=0$ $Q12=0$ $Q13=0$ $Q14=0$ $Q15=0$



Photometric Parameters

Luminous Flux: 2544.70 lm Efficiency: 7.58 lm/W Radiant Power: 75.902 W
 EEL: 1.80 Energy Efficiency Class: E (EU 874-2012)
 PAR: 75.800 W PPF: 285.986 umol/s R/B: 0.0
 PF1: 283.564 umol/s(400~500nm) PF2: 1.895 umol/s(500~600nm)
 PF3: 0.520 umol/s(600~700nm) PFfr: 0.640 umol/s(700~800nm) PPE: 0.852 umol/s/w PF: 286.725 umol/s

Electric Parameters

Voltage: 281.50V Current: 1.4860A Power: 335.70W
 Power Factor: 0.8020 Frequency: 59.99Hz



PHOTOMETRICS FOR WHITE

1200W-RGBW-W

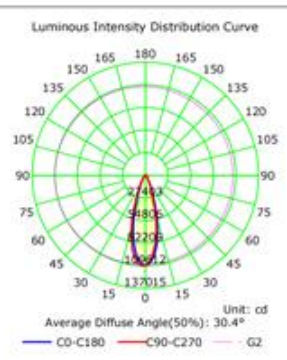
Luminaire Property

Luminaire Manufacturer:
 Voltage: 281.8 V
 Power: 321.80 W
 Current: 1.436 A
 Power Factor: 0.795

Photometric Results

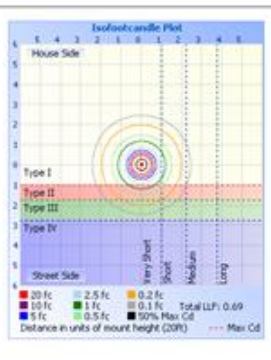
IES Classification: Type I
 Total Rated Lamp Lumens: 42483.9 lm
 Efficiency: 100%
 Upward Ratio: 1%
 Central Intensity: 108757.38 cd
 Pos of Max. Intensity: H270 V2

Longitudinal Classification: Very Short
 Measurement Flux: 42483.9 lm
 Downward Ratio: 99%
 Luminaire Efficacy Rating (LER): 132.07
 Max. Intensity: 109612.5 cd



Luminous Intensity Distribution Curve

Unit: cd
 Average Diffuse Angle(50%): 30.4°
 — C0-C180 — C90-C270 — G2



Isofootcandle Plot

House Side
 Street Side
 Type I
 Type II
 Type III
 Type IV
 Very Short
 Short
 Medium
 Long

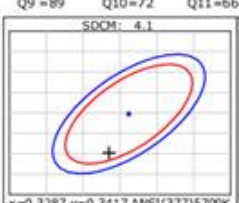
20 fc 10 fc 5 fc 2.5 fc 1 fc 0.5 fc
 0.2 fc 0.1 fc
 Total LfH: 0.69
 50% Max Cd
 Distance in units of mount height (20ft) --- Max Cd

Lightsource Test Report (1/2)

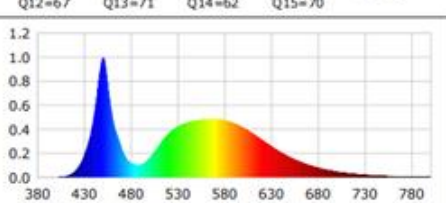
Product Information
 Product Number: 2373

CIE Colorimetric Parameters
 Chromaticity coordinates: $x=0.3260$ $y=0.3322$ $u(u')=0.2059$ $v=0.3147$ $v'=0.4720$
 CCT: $T_c=5806K$ ($duv=-0.00164$) Color Ratio: $R=0.135$ $G=0.827$ $B=0.038$
 Peak Wavelength: 450.1nm Half Bandwidth: 20.2nm
 Dominant Wavelength: 489.8nm Color Purity: 0.025
 CRI: $R_a=74.3$ TM30: $R_f=73$, $R_g=95$

R1 = 73	R2 = 79	R3 = 80	R4 = 75	R5 = 74	R6 = 69	R7 = 82	R8 = 62
R9 = -18	R10 = 47	R11 = 72	R12 = 44	R13 = 74	R14 = 88	R15 = 70	
Color Quality Scale: $Q_a=70.7$, $Q_f=69.5$, $Q_p=74.1$, $Q_g=90.9$							
Q1 = 82	Q2 = 93	Q3 = 61	Q4 = 55	Q5 = 67	Q6 = 72	Q7 = 78	Q8 = 86
Q9 = 89	Q10 = 72	Q11 = 66	Q12 = 67	Q13 = 71	Q14 = 62	Q15 = 70	



SDCM: 4.1
 $x=0.3287$ $y=0.3417$ ANSI(377)5200K



380 430 480 530 580 630 680 730 780

Photometric Parameters
 Luminous Flux: 22018.60 lm Efficiency: 69.09 lm/W Radiant Power: 68.420 W
 EEL: 0.20 Energy Efficiency Class: A (EU 874-2012)
 PAR: 67.304 W PFF: 303.731 umol/s R/B: 0.7
 PPF1: 80.345 umol/s(400~500nm) PFF2: 147.259 umol/s(500~600nm)
 PPF3: 76.126 umol/s(600~700nm) PFFr: 7.042 umol/s(700~800nm) PPE: 0.953 umol/s/w PF: 310.800 umol/s

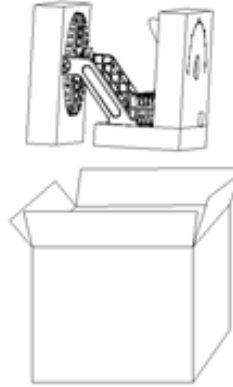
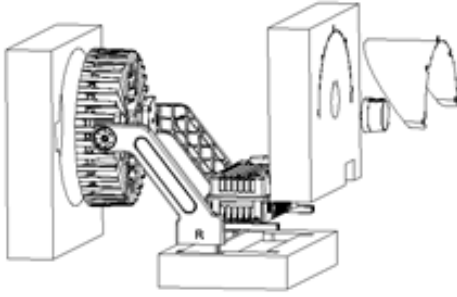
Electric Parameters
 Voltage: 281.50V Current: 1.4230A Power: 318.70W
 Power Factor: 0.7960 Frequency: 0.00Hz



PRODUCT PACKAGING

Carton Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
Outer box	670*623*610	1 PC	31.2 KG

Tolerance of Carton Size: ± 15 MM, Tolerance of Weight: $\pm 10\%$.



*Tolerance of Carton Size: ± 15 MM, Tolerance of Weight: $\pm 10\%$.



PRODUCT WARNINGS

- ⚡ Please turn off power before install or change assembly parts.
- ⚡ The input voltage and lamps should be matched, after connecting the power line.
- ⚡ Please make sure the wiring section is insulated.
- ⚡ Professionals must install and disassemble the lamps.
- ⚡ Surge is the number 1 cause of LED light failure. Outdoor lights must have surge at fixture, pole, and breaker.
- ⚡ Surge is the number 1 cause of LED light failure. Indoor lights must have surge at fixture and breaker.

PRODUCT TROUBLESHOOTING

Issue	Check points
Light Flickers	Check all wiring for disconnections, shorts and burnt wiring and connections. Confirm steady input voltage to the light fixture, fluctuating input voltage will harm the LED driver and can lead to premature failure. Lights with photocells can have photocell tag from ambient light or light reflecting at the sensor. Simply cover the photocell completely and see if flickering continues while the photocell is covered. Call Tech Support for help if none of the above solves the issue.
Light does not work at all.	Check all wiring for disconnections, shorts and burnt wiring and connections. Confirm steady input voltage to the light fixture, fluctuating input voltage will harm the LED driver and can lead to premature failure. If input voltage is not in the voltage range of the fixture, you will need to find the source of your input voltage issue. Call Tech Support for help if none of the above solves the issue.

For more technical information, install questions, troubleshooting help or warranty claims, we have a dedicated US Tech and Customer Support Team to help solve any issues you have and can be reached by email or phone. If you need help with any of our products, we are here for you so that you are never in the dark!

BETTER LIGHTS. BETTER SUPPORT.

