

ARENA LED LIGHT

Designed for arena stadiums, Stable color temperature and high quality;
The color rendering index (CRI) up to 95; non-flickering lighting;
good uniformity of illumination; Low glare, very good for shooting and
television relay; high photosynthetic efficiency, environmental protection
and energy saving, waterproof design, suitable for outdoor installation



170lm/w



WARRANTY



IP66

■ Product Feature

- High light efficiency up to 170lm/w GreenEthernet
- Stable color temperature and high quality;
The color renderind index(CRI) up to 95;
non-flickering,good uniformity of illumination
- Use professional waterproof power supply,
stable working in harsh environment.
Power efficiency up to 95
- IP67 Suitable for outdoor installation
- Multiple dimming options are available such as
dmx 512;dali:0-10V

■ Product Application

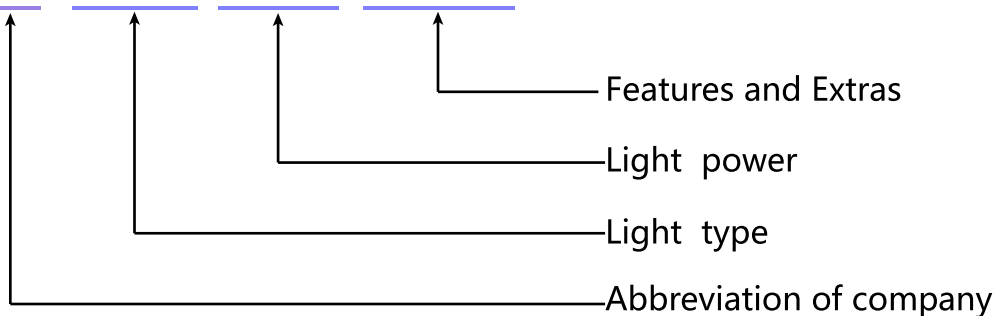
- LED Stadium light
- LED Steet light
- LED packing lot light
- LED High bay light
- LED Tunnel light
- LED Fishing light

■ Product Description

LS-ARE-XXX series is specially designed for stadium.The products are small in size and light in weight .Choose the LED which have the Stable color and the color renderind index (CRI) UP to 95 non flickering. good uniformity of illumination very good for shooting and television relay Choose famous brand power supply.Able to work stably in high temperature and humid environment. High life.IP67 Grade Widely used in outdoor installation. Wide voltage input(90-295V/AC,50-60HZ) Multiple dimming modes are availatablel (DMX512 ,dali, 0-10V)

■ Model code

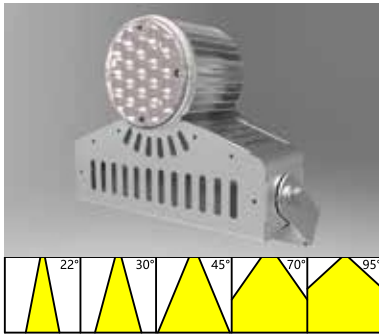
LS-ARE-XXX-X-X-X



Example: LS-ARE-500-170-22°-D Produced by ledsmaster the light type is led arena light , the power of light is 500W ,Product features is the lighting effect of lamp is 170lm/w, lens angle is 22°, Dimmable

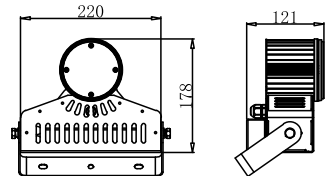
Product Parameters

LS-ARE-50-170

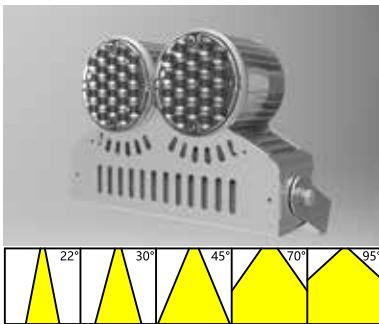


Model NO: LS-ARE-50-170 Power: 50W
 CCT: 2700K-3500K/5000K-6500K/6500K-7500K
 CRI: 75(defaults) ,Customizable up to 95
 Beam angle: 22°/30°/45°/70°/95°
 Input voltage: 90-295V AC 50-60HZ
 Efficiency: ≥90% PF: ≥95%
 Chip lighting Effect: 170lm/W
 FLUX: 8500lm
 Body size(mm):220*178*121 Weight(kg): 2.2
 EPA=0.0279

Dimensioning

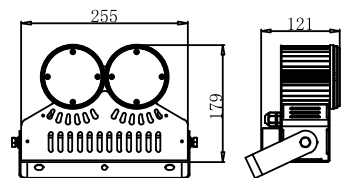


LS-ARE-100-170

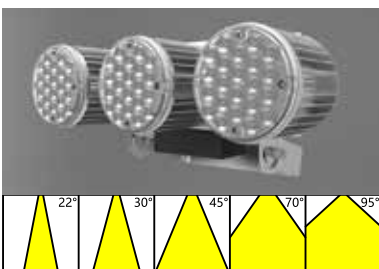


Model NO: LS-ARE-100-170 Power: 100W
 CCT: 2700K-3500K/5000K-6500K/6500K-7500K
 CRI: 75(defaults) ,Customizable up to 95
 Beam angle: 22°/30°/45°/70°/95°
 Input voltage: 90-295V AC 50-60HZ
 Efficiency: ≥90% PF: ≥95%
 Chip lighting Effect: 170lm/W
 FLUX: 17000lm
 Body size(mm):255*179*121 Weight(kg): 3
 EPA=0.04

Dimensioning

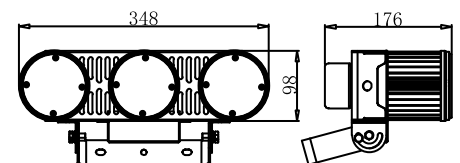


LS-ARE-150-170

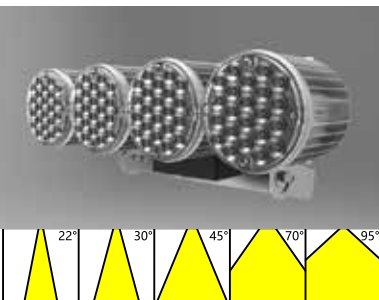


Model NO: LS-ARE-150-170 Power: 150W
 CCT: 2700K-3500K/5000K-6500K/6500K-7500K
 CRI: 75(defaults) ,Customizable up to 95
 Beam angle: 22°/30°/45°/70°/95°
 Input voltage: 90-295V AC 50-60HZ
 Efficiency: ≥90% PF: ≥95%
 Chip lighting Effect: 170lm/W
 FLUX: 25500lm
 Body size(mm):348*98*176 Weight(kg): 3.6
 EPA=0.036

Dimensioning

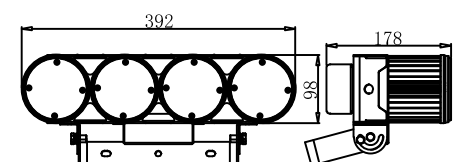


LS-ARE-200-170



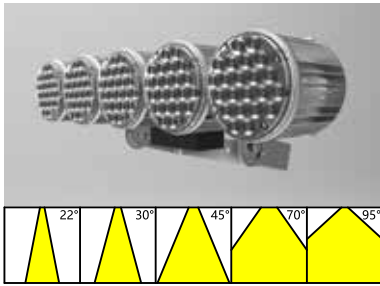
Model NO: LS-ARE-200-170 Power: 200W
 CCT: 2700K-3500K/5000K-6500K/6500K-7500K
 CRI: 75(defaults) ,Customizable up to 95
 Beam angle: 22°/30°/45°/70°/95°
 Input voltage: 90-295V AC 50-60HZ
 Efficiency: ≥90% PF: ≥95%
 Chip lighting Effect: 170lm/W
 FLUX: 34000lm
 Body size(mm):392*98*178 Weight(kg): 4.6
 EPA=0.041

Dimensioning



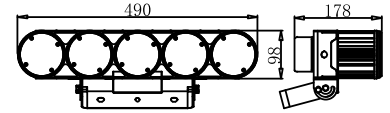
■ Product Parameters

LS-ARE-250-170

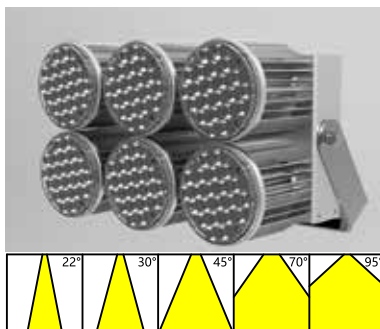


Model NO: LS-ARE-250-170 Power: 250W
 CCT: 2700K-3500K/5000K-6500K/6500K-7500K
 CRI: 75(defaults) ,Customizable up to 95
 Beam angle: 22°/30°/45°/70°/95°
 Input voltage: 90-295V AC 50-60HZ
 Efficiency: ≥90% PF: ≥95%
 Chip lighting Effect: 170lm/W
 FLUX: 42500lm
 Body size(mm):490*98*178 Weight(kg): 5.7
 EPA=0.0528

Dimensioning

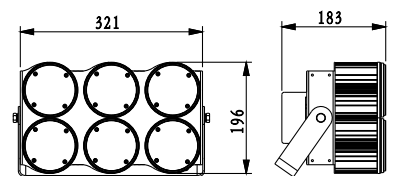


LS-ARE-300-170

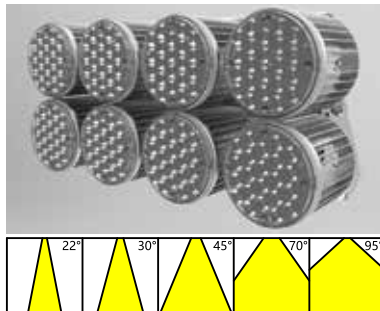


Model NO: LS-ARE-300-170 Power: 300W
 CCT: 2700K-3500K/5000K-6500K/6500K-7500K
 CRI: 75(defaults) ,Customizable up to 95
 Beam angle: 22°/30°/45°/70°/95°
 Input voltage: 90-295V AC 50-60HZ
 Efficiency: ≥90% PF: ≥95%
 Chip lighting Effect: 170lm/W
 FLUX: 51000lm
 Body size(mm):321*196*183 Weight(kg): 7.1
 EPA=0.065

Dimensioning

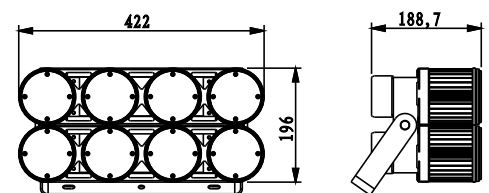


LS-ARE-400-170

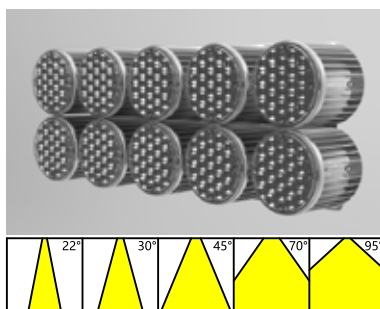


Model NO: LS-ARE-400-170 Power: 400W
 CCT: 2700K-3500K/5000K-6500K/6500K-7500K
 CRI: 75(defaults) ,Customizable up to 95
 Beam angle: 22°/30°/45°/70°/95°
 Input voltage: 90-295V AC 50-60HZ
 Efficiency: ≥90% PF: ≥95%
 Chip lighting Effect: 170lm/W
 FLUX: 68000lm
 Body size(mm):422*196*189 Weight(kg): 8.9
 EPA=0.08

Dimensioning

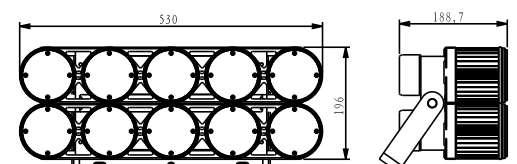


LS-ARE-500-170

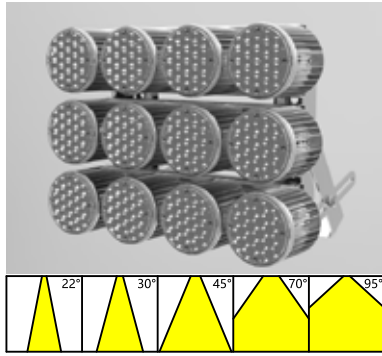


Model NO: LS-ARE-500-170 Power: 500W
 CCT: 2700K-3500K/5000K-6500K/6500K-7500K
 CRI: 75(defaults) ,Customizable up to 95
 Beam angle: 22°/30°/45°/70°/95°
 Input voltage: 90-295V AC 50-60HZ
 Efficiency: ≥90% PF: ≥95%
 Chip lighting Effect: 170lm/W
 FLUX: 85000lm
 Body size(mm):530*196*189 Weight(kg): 10.2
 EPA=0.103

Dimensioning



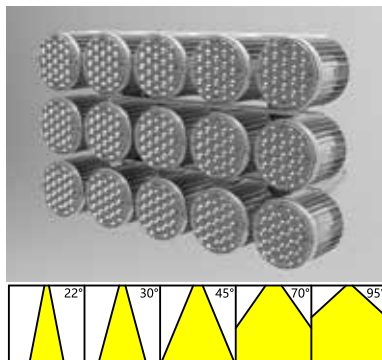
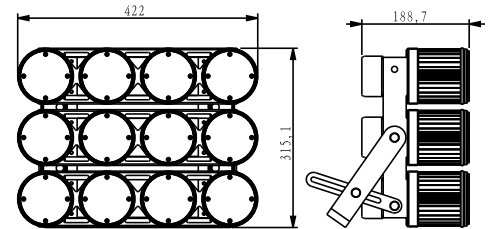
Product Parameters



Model NO: LS-ARE-600-170 Power: 600W
 CCT: 2700K-3500K/5000K-6500K/6500K-7500K
 CRI: 75(defaults) ,Customizable up to 95
 Beam angle: 22°/30°/45°/70°/95°
 Input voltage: 90-295V AC 50-60HZ
 Efficiency: $\geq 90\%$ PF: $\geq 95\%$
 Chip lighting Effect: 170lm/W
 FLUX: 102000lm
 Body size(mm):422*315*189 Weight(kg): 10.6
 EPA=0.118

LS-ARE-600-170

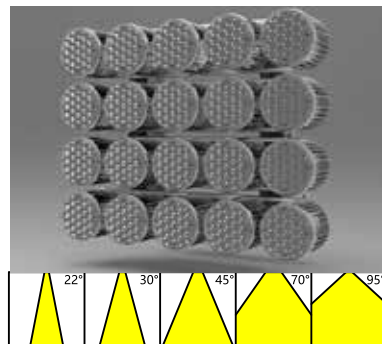
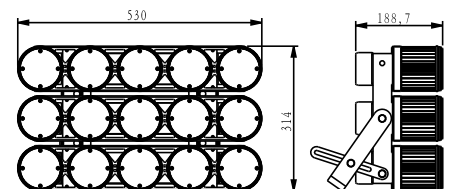
Dimensioning



Model NO: LS-ARE-750-170 Power: 750W
 CCT: 2700K-3500K/5000K-6500K/6500K-7500K
 CRI: 75(defaults) ,Customizable up to 95
 Beam angle: 22°/30°/45°/70°/95°
 Input voltage: 90-295V AC 50-60HZ
 Efficiency: $\geq 90\%$ PF: $\geq 95\%$
 Chip lighting Effect: 170lm/W
 FLUX: 127500lm
 Body size(mm):530*314*189 Weight(kg): 13.3
 EPA=0.153

LS-ARE-750-170

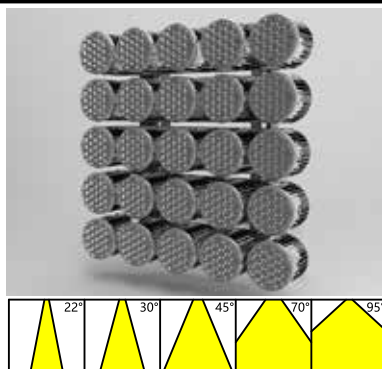
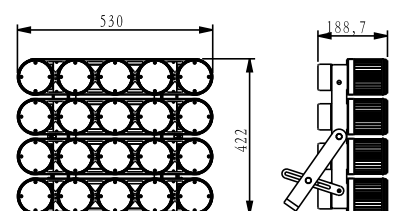
Dimensioning



Model NO: LS-ARE-1000-170 Power: 1000W
 CCT: 2700K-3500K/5000K-6500K/6500K-7500K
 CRI: 75(defaults) ,Customizable up to 95
 Beam angle: 22°/30°/45°/70°/95°
 Input voltage: 90-295V AC 50-60HZ
 Efficiency: $\geq 90\%$ PF: $\geq 95\%$
 Chip lighting Effect: 170lm/W
 FLUX: 170000lm
 Body size(mm):530*422*189 Weight(kg): 16.8
 EPA=0.20

LS-ARE-1000-170

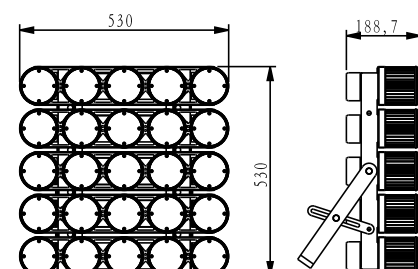
Dimensioning



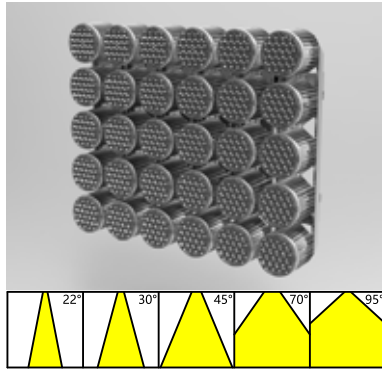
Model NO: LS-ARE-1200-170 Power: 1200W
 CCT: 2700K-3500K/5000K-6500K/6500K-7500K
 CRI: 75(defaults) ,Customizable up to 95
 Beam angle: 22°/30°/45°/70°/95°
 Input voltage: 90-295V AC 50-60HZ
 Efficiency: $\geq 90\%$ PF: $\geq 95\%$
 Chip lighting Effect: 170lm/W
 FLUX: 204000lm
 Body size(mm):585*585*214 Weight(kg): 20.5
 EPA=0.251

LS-ARE-1200-170

Dimensioning



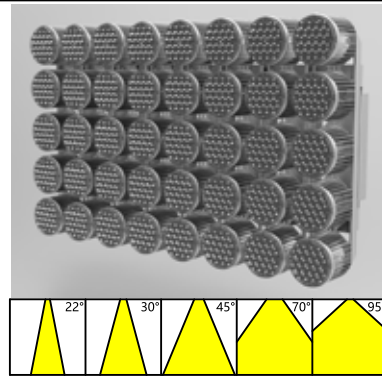
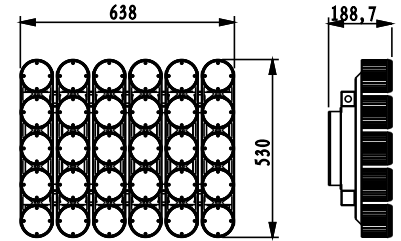
Product Parameters



Model NO: LS-ARE-1500-170 Power: 1500W
 CCT: 2700K-3500K/5000K-6500K/6500K-7500K
 CRI: 75(defaults) ,Customizable up to 95
 Beam angle: 22°/30°/45°/70°/95°
 Input voltage: 90-295V AC 50-60HZ
 Efficiency: ≥90% PF: ≥95%
 Chip lighting Effect: 170lm/W
 FLUX: 255000lm
 Body size(mm):638*530*189 Weight(kg): 24.6
 EPA=0.31

LS-ARE-1500-170

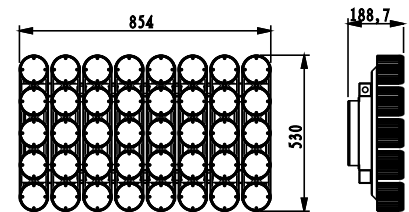
Dimensioning



Model NO: LS-ARE-2000-170 Power: 2000W
 CCT: 2700K-3500K/5000K-6500K/6500K-7500K
 CRI: 75(defaults) ,Customizable up to 95
 Beam angle: 22°/30°/45°/70°/95°
 Input voltage: 90-295V AC 50-60HZ
 Efficiency: ≥90% PF: ≥95%
 Chip lighting Effect: 170lm/W
 FLUX: 340000lm
 Body size(mm):854*530*189 Weight(kg):33
 EPA=0.42

LS-ARE-2000-170

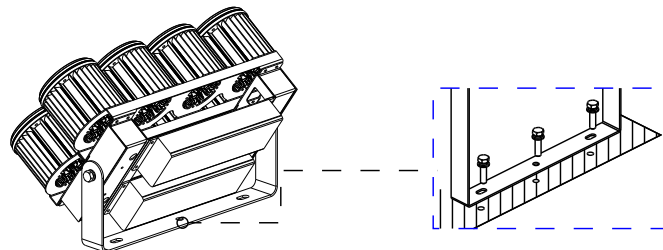
Dimensioning



Product Installation

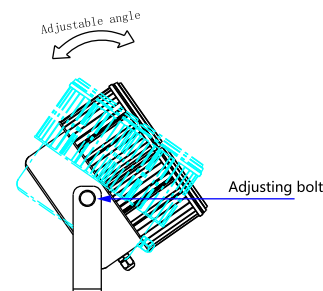
step1

As shown the three holes to install the product on the user installation plane



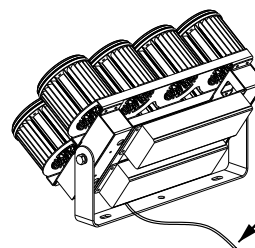
step2

As shown, turn the wrench to loosen the two Adjusting bolts to adjust the illumination of the product. Be adjusted to the appropriate angle. In turn tighten the bolts and Ensure that the bracket is locked with the lamp body



step3

Connect the power cables as below



Remark:

1. Make sure power off when installing or changing spare parts;
2. Make sure local working voltage could match the lamp.

Euro-standard	
	BROWN(ACL) BLUE(ACN) YELLOW/GREEN (GND)
American-Standard	
	BLACK(ACL) WHITE(ACN) GREEN(GND)

Product design details

LED Power supply



INVENTRONICS

Choose professional outdoor power supply, provided by INVENTRONICS; MEAN WELL. HIGH-END LED driver optimal stability performance and lifespan

HIGH-Efficacy led light source



5050 SMD LED Package chip from **CREE** ⇄ **BRIDGE LUX**
high light efficiency(170lm/w)
Stable color temperature and high quality

High transmittance lens

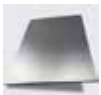
light transmittance up to 93%, high temperature resistance. Multiple angles are available(22°, 30°, 45°, 70°, 95°)

Angle adjusting bolt



Users can choose to add dials

Mounting bracket



Choose 304 stainless steel material, Able to cope with the harsh outdoors
316 stainless steel can also be customized

Cold forged radiator



The radiator is manufactured by cold forging process
Cold-forged aluminum is more conducive to heat dissipation after molding it is then oxidized

Optional accessory

1. Anti-glare cover

Especially suitable for studio and stadium

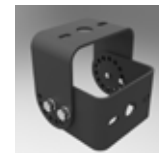


Install sample



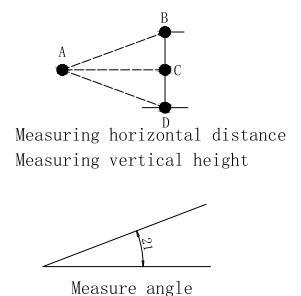
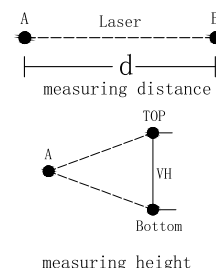
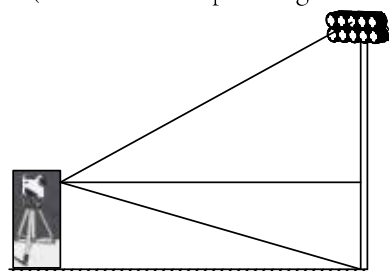
2. Optional bracket

The user can select bracket accessories according to the installation plane and installation method

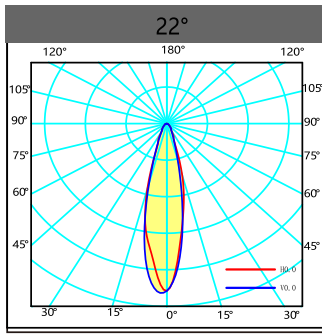


3. Diastimeter

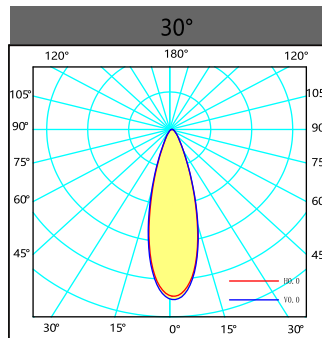
The installation position and irradiation Angle of the luminaire can be determined more accurately by using the pointing instrument(Three kinds of pointing instruments are optional)



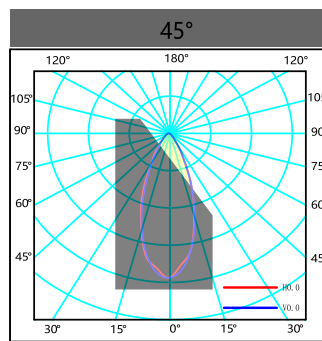
IES Report



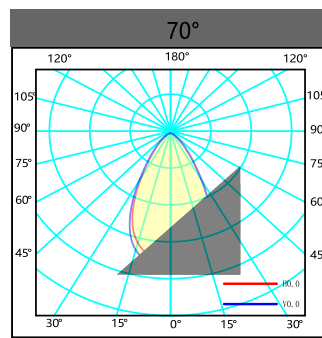
H (m)	B (m)	LS-ARE-100-170		LS-ARE-500-170		LS-ARE-1000-170		
		MAXLUX	MEDLUX	MAXLUX	MEDLUX	MAXLUX	MEDLUX	
10	4.19	556	324	2780	1620	5560	3240	
20	8.38	139	81	695	405	1390	810	
30	12.58	61	41	305	205	610	410	
40	16.77	34	19	170	95	340	190	
50	20.96	22	13	110	65	220	130	



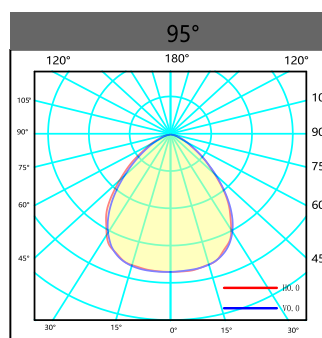
H (m)	B (m)	LS-ARE-100-170		LS-ARE-500-170		LS-ARE-1000-170		
		MAXLUX	MEDLUX	MAXLUX	MEDLUX	MAXLUX	MEDLUX	
10	5.6	409	249	2045	1245	4090	2490	
20	10.32	102	63	510	315	1020	630	
30	15.47	42	27	210	135	420	270	
40	20.63	25	15	125	75	250	150	
50	25.79	16	10	80	50	160	100	



H (m)	B (m)	LS-ARE-100-170		LS-ARE-500-170		LS-ARE-1000-170		
		MAXLUX	MEDLUX	MAXLUX	MEDLUX	MAXLUX	MEDLUX	
10	7.71	247.2	159.6	1236	798	2472	1596	
20	15.41	61.8	40	309	200	618	400	
30	23.12	27.4	17.8	137	89	274	178	
40	30.82	14.4	10	72	50	144	100	
50	38.53	9.8	6.4	49	32	98	64	



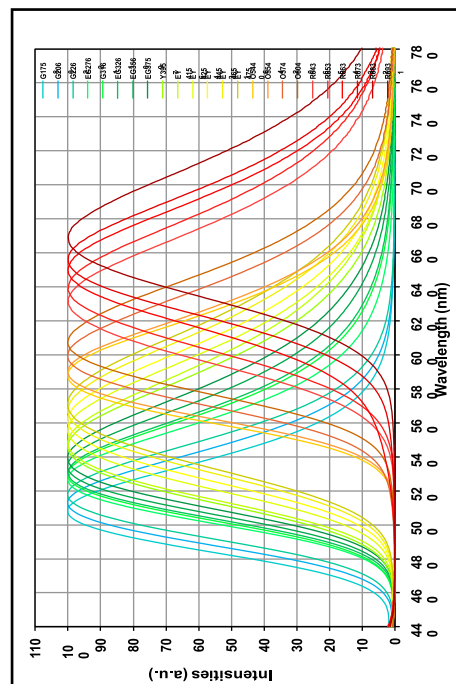
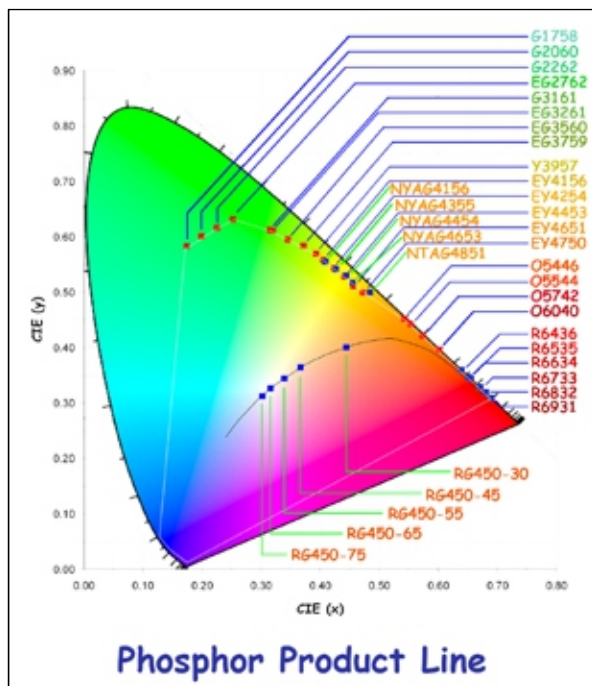
H (m)	B (m)	LS-ARE-100-170		LS-ARE-500-170		LS-ARE-1000-170		
		MAXLUX	MEDLUX	MAXLUX	MEDLUX	MAXLUX	MEDLUX	
10	12.27	132	80.6	660	403	1320	806	
20	24.54	33	20.2	165	101	330	202	
30	36.81	14.6	9	73	45	146	90	
40	49.07	8.2	5	41	25	82	50	
50	61.34	5.28	3.22	26.4	16.1	52.8	32.2	



H (m)	B (m)	LS-ARE-100-170		LS-ARE-500-170		LS-ARE-1000-170		
		MAXLUX	MEDLUX	MAXLUX	MEDLUX	MAXLUX	MEDLUX	
10	21.35	70.8	32.8	354	164	708	328	
20	42.7	17.8	8.2	89	41	178	82	
30	64.05	7.8	3.6	39	18	78	36	
40	85.41	4.4	2	22	10	44	20	
50	106.7	2.8	1.32	14	6.6	28	13.2	



■ Product spectrum



Products	CIE X	CIE Y	λ_p (nm)	λ_d (nm)	D50(V)
G1758	0.175	0.561	507	513	15.5
G2060	0.198	0.600	512	522	15.5
G2262	0.221	0.620	517	530	15.5
G2762	0.307	0.617	530	551	15.0
G3161	0.290	0.626	525	540	15.5
G3261	0.319	0.615	529	552	15.5
G3560	0.345	0.602	535	556	15.5
G3759	0.367	0.592	539	560	15.5
Y3957	0.390	0.568	547	564	15.5
Y4156	0.402	0.563	550	567	15.5
Y4254	0.423	0.550	558	569	15.5
Y4453	0.442	0.534	565	572	15.5
Y4651	0.459	0.519	569	574	15.5
Y4750	0.470	0.510	574	577	15.5
O5446	0.544	0.449	586	585	16.5
O5544	0.553	0.440	590	586	16.5
O5742	0.576	0.417	600	590	16.5
O6040	0.599	0.396	610	595	15.0
R6436	0.634	0.366	630	603	15.5
R6535	0.643	0.356	640	605	15.5
R6634	0.654	0.345	650	606	15.5
R6733	0.672	0.327	655	611	15.0
R6832	0.682	0.317	660	615	15.0
R6931	0.694	0.305	670	619	15.0
NYAG4156	0.406	0.557	545	566	11-17
NYAG4156-S	0.406	0.557	545	566	5-11
NYAG4355	0.426	0.548	551	569	11-17
NYAG4355-S	0.426	0.548	551	569	5-11
NYAG4454	0.444	0.536	558	571	11-17
NYAG4454-S	0.444	0.536	558	571	5-11
NYAG4653	0.458	0.526	562	573	11-17
NYAG4753-L	0.458	0.526	562	573	5-11
NTAG4851	0.476	0.513	568	575	5-11
G3161	0.336	0.577	525	TBD	15.0
G3261	0.354	0.569	535	TBD	15.0
G3560	0.392	0.556	545	TBD	15.0

■ Product Inhibition



- Airport LED Lighting
- Port LED Lighting Streets
- Highways LED Lighting
- Tunnel LED Lighting
- Stadium LED Lighting
- Tennis LED Lighting
- Golf LED Lighting
- Hockey LED Lighting

