

STRIKER Series

LED Sports Lighting



Project	Date
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Catalog Number	Type
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Product Performance Summary

Lumen Output	Up to 252,000 lumens
Efficacy	Up to 150 LPW
CRI	≥ 70 CRI
Available CCT	700K - 5700K
Warranty	5-Year Warranty
Lifespan	52 000 h, @Tq 25°C

Product Overview

Introducing the Striker – perfect for stadiums, large outdoor venues, and other high-intensity lighting needs. With an efficacy of up to 150LM/W, these lights can provide significant energy savings over traditional options. The modular design also makes the Striker series floodlights easy to install and maintain. The UV stabilized polyester powder paint finish means they can withstand even the harshest environments, while the die-casting aluminum construction ensures excellent heat dissipation and long life.

Product Applications

- Community sports stadium
- Train station
- Port
- Large outdoor industrial facilities

Product Certifications/Approvals

- RoHS compliant
- CE
- CB
- TUV



Key Features

- Up to 150LM/W, power range: **400W-1800W**.
- Modular design, a maximum of 3 modules available.
- UV stabilized polyester powder paint finish for durability and corrosion resistance.
- Saving maintenance budget and operating costs

Electrical

- CCT 700K, 3000K, 4000K, 5000K, 5700K
- Up to 480V
- Integrated remote driver
- Operating temperature: -40°C to +50°C (-40°F to +122°F)

Mounting

- Top fixed
- Type-A mount
- Type-U mount

Construction

- Die casting aluminum ADC12, high thermal conductivity
- High-temperature resistance materials
- High transparency
- Maintains alignment is up to 150 mph winds.
- High temperature resistance PC materials

Optics

- Industry leading LEDs with up to 5700K and 80 CRI
- Lens optics are designed to output a specialized light distribution for optimal performance in specific applications.

Warranty

- Backed by National LED's industry leading 5-year warranty.



Ordering Information

Example: STRKR-400W-NV1-S5-00-2770-15-A-SG

Watts	Voltage	LED Chips	Sensor	CCT & CRI	Distribution	Mount	Color
400W	NV1 100-277V	S5 Seoul 5050	00 None	2770=2700k 70	15 15D	A Top fixed	SG Silver Black
600W	HV1 277-480V	S5 Seoul 3535	PH Photocell	3070=3000k 70	3585 35°85D	U Yoke Mount	BK Black
800W	HV2 220-400V		DV Dimmable	4070=4000k 70	2030 20°30D		
1200W				5070=5000K 70	30 30D		
1500W				5770=5700K 70	PG30 PG30D		
1800W				2780=2700K 80	PG60 PG60D		
				3080=3000K 80			
				4080=4000K 80			
				5080=5000K 80			
				5780=5700K 80			



Type-A (Top Fixed) Lens



Type-A (Top Fixed) Reflector



Type-U (Yoke Mount) Lens



Type-U (Yoke Mount) Reflector

*HV2 is for 1500W-1800W. The above voltage input is the standard default parameter for certificate. Due to different standards in different countries, please confirm the actual local demand first.
The power supply of the product can be customized flexibly

STRIKER Series

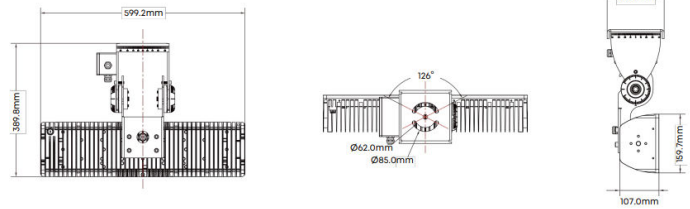
LED Sports Lighting

NationalLED

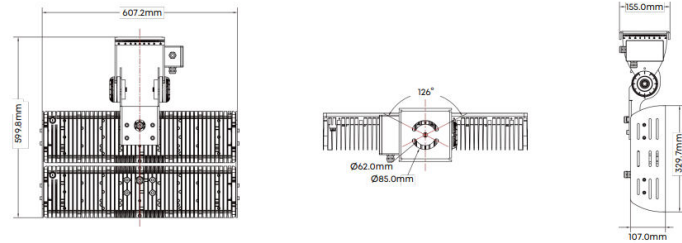
Dimension

TYPE-A: Top Fixed Installation

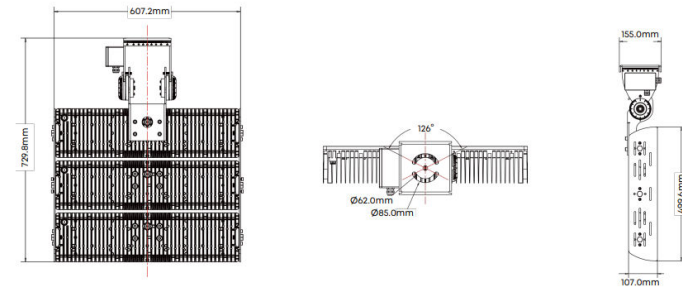
SCx (EPA)@25°: Top view: 0.08m² (0.86ft²) Front view: 0.13m² (1.40ft²)



SCx (EPA)@25°: Top view: 0.12m² (1.29ft²) Front view: 0.21m² (2.26ft²)

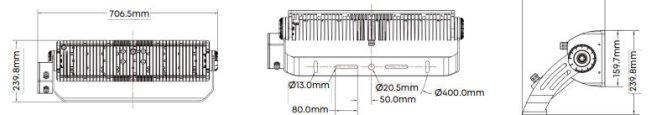


SCx (EPA)@25°: Top view: 0.16m² (1.72ft²) Front view: 0.29m² (3.12ft²)

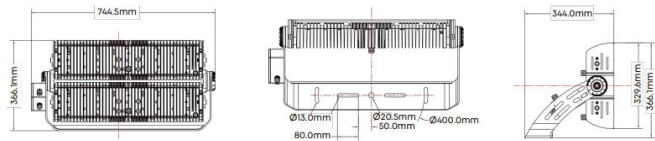


TYPE-U: Yoke Mount

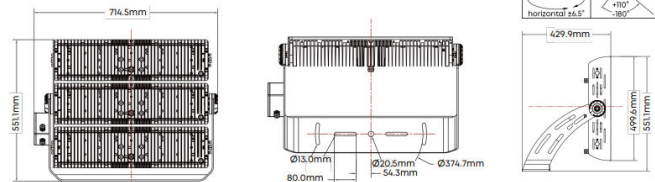
EPA@25°: Top view: 0.08m² (0.86ft²) Front view: 0.13m² (1.40ft²)



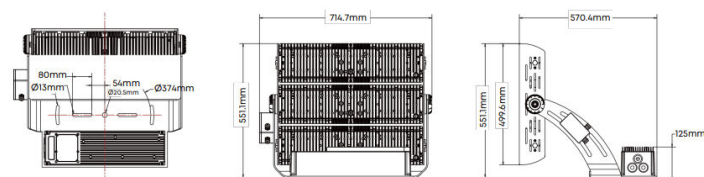
EPA@25°: Top view: 0.20m² (2.15ft²) Front view: 0.22m² (2.37ft²)



EPA@25°: Top view: 0.25m² (2.69ft²) Front view: 0.31m² (3.34ft²)

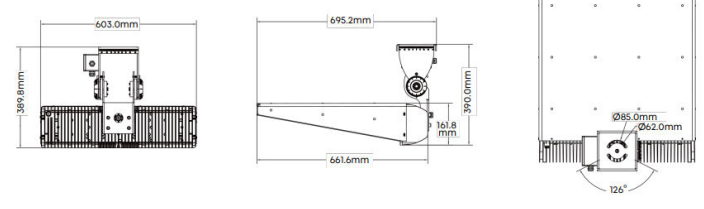


TYPE-U: Diverbox Integrated with Bracket

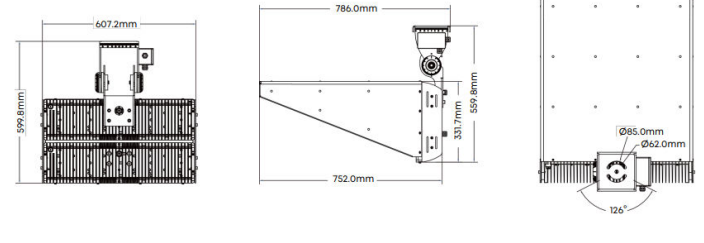


TYPE-A: Top Fixed Installation (With visor)

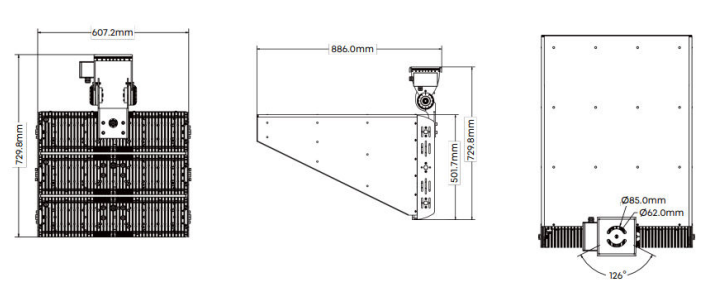
SCx (EPA)@25°: Top view: 0.18m² (1.94ft²) Front view: 0.37m² (3.96ft²)



SCx (EPA)@25°: Top view: 0.21m² (2.26ft²) Front view: 0.46m² (4.95ft²)

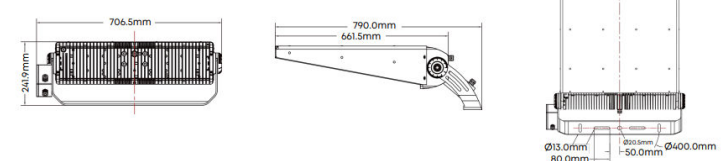


SCx (EPA)@25°: Top view: 0.24m² (2.58ft²) Front view: 0.48m² (5.17ft²)

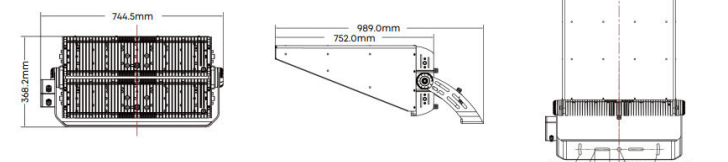


TYPE-U: Yoke Mount (With visor)

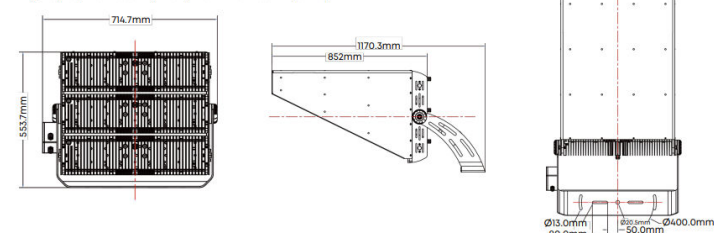
EPA@25°: Top view: 0.42m² (4.52ft²) Front view: 0.17m² (1.83ft²)



EPA@25°: Top view: 0.55m² (5.92ft²) Front view: 0.22m² (2.37ft²)



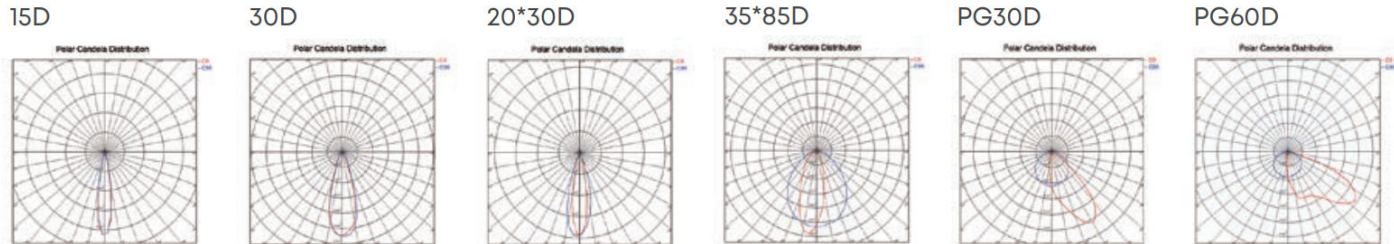
EPA@25°: Top view: 0.66m² (7.10ft²) Front view: 0.31m² (3.34ft²)



LED Sports Lighting

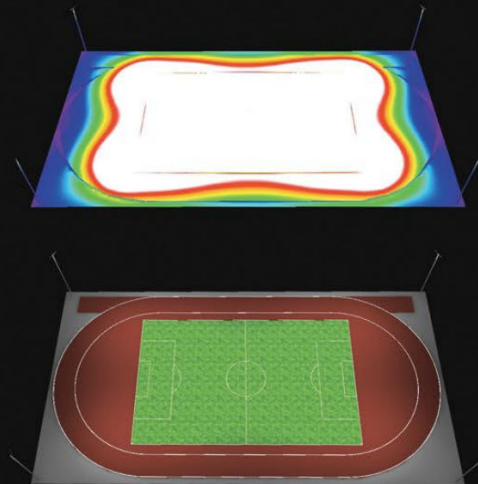
Optical Distributions

All photometric testing performed to IESNA LM-79 standards by a NVLAP® accredited testing facility. ISO footcandle plots below demonstrate the distribution patterns only based on 25' mounting height. Visit www.nationalled.com for download complete specifications, IES files, or to request a photometric layout.



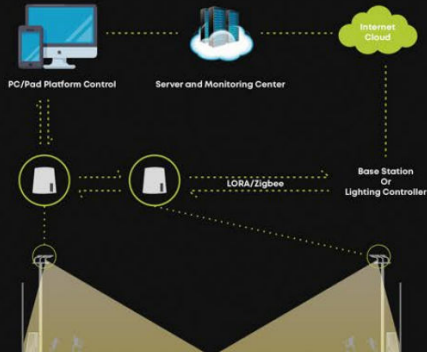
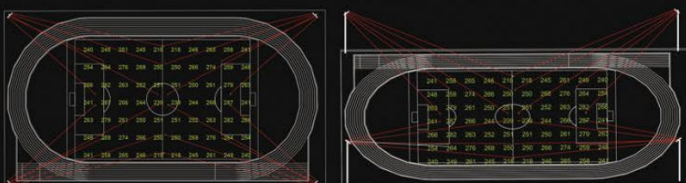
Simulation Data

Project Simulation Service for Clients



Reference Data
 Field proportion: 105*68m;
 Installation height: 30m;
 Pole number: 4 PCS;
 Number of fixtures: 5 PCS *4;
 The total lumens: 144000lm;
 Power of each fixture: 1200W;

Illumination Parameters



The Lora Light wireless system or Zigbee control with strong anti-interference ability is adopted in the wireless transmission unit of the light controller to realize the communication between nodes and gateways. The data of various sensors on the node light controller is sent back to the gateway, and the control command of the gateway is also sent to the node light controller. Through the controller, the staff can conveniently remote control the status of lamps and lanterns and adjust them, so that the lighting management of the site is more intelligent.

Competition



Through remote control, the lighting can achieve the best effect of professional competition, so as to meet the lighting demand of the field competition. Easy to operate, quick adjustment, intelligent system can be more conveniently deployed.

Training or Recreation



Lighting on the spot only needs to meet the effect of training or daily recreational activities, and the illumination of fixtures can be reasonably adjusted through remote control. It can not only save energy consumption but also save operating expenses.

Parameter Table

Electrical Data												
Model	STRKR-400W		STRKR-600W		STRKR-800W		STRKR-1200W		STRKR-1500W		STRKR-1800W	
Power(W)	400W		600W		800W		1200W		1500W		1800W	
Modules	1		1		2		2		3		3	
Input voltage			100-277V/277-480V, 50/60Hz						220-400V, 50/60Hz			
THD	<20%											
PF	>0.90											
Control Option	0-10V/PWM Timer diming (Standard), DALI, DMX512 (Optional)								DALI, DMX512 (Standard)			
Ambient temperature	-40°C to 50°C		-40°C to 45°C		-40°C to 50°C		-40°C to 45°C		-40°C to 50°C		-40°C to 45°C	
Driver brand	Based on the actual project demand											
Surge protection	20kV available											
Photometric Data												
Efficacy (lm/W, Std. Dev. ±5%)@CCT=4000K, CRI>70Ra	1SD	140lm/W	140lm/W	140lm/W	140lm/W	140lm/W	140lm/W	140lm/W	140lm/W	140lm/W	140lm/W	140lm/W
	35°85D	150lm/W	150lm/W	150lm/W	150lm/W	150lm/W	150lm/W	150lm/W	150lm/W	150lm/W	150lm/W	150lm/W
	20°30D	140lm/W	140lm/W	140lm/W	140lm/W	140lm/W	140lm/W	140lm/W	140lm/W	140lm/W	140lm/W	140lm/W
	30D	150lm/W	150lm/W	150lm/W	150lm/W	150lm/W	150lm/W	150lm/W	150lm/W	150lm/W	150lm/W	150lm/W
	PG30D	140lm/W	140lm/W	140lm/W	140lm/W	140lm/W	140lm/W	140lm/W	140lm/W	140lm/W	140lm/W	140lm/W
	PG60D	140lm/W	140lm/W	140lm/W	140lm/W	140lm/W	140lm/W	140lm/W	140lm/W	140lm/W	140lm/W	140lm/W
Luminous flux (lm, Std. Dev. ±5%)@CCT=4000K, CRI>70Ra	1SD	56000lm	84000lm	112000lm	168000lm	210000lm	252000lm	210000lm	252000lm	210000lm	252000lm	252000lm
	35°85D	60000lm	90000lm	120000lm	180000lm	225000lm	270000lm	225000lm	270000lm	225000lm	270000lm	270000lm
	20°30D	56000lm	84000lm	112000lm	168000lm	210000lm	252000lm	210000lm	252000lm	210000lm	252000lm	252000lm
	30D	60000lm	90000lm	120000lm	180000lm	225000lm	270000lm	225000lm	270000lm	225000lm	270000lm	270000lm
	PG30D	56000lm	84000lm	112000lm	168000lm	210000lm	252000lm	210000lm	252000lm	210000lm	252000lm	252000lm
	PG60D	56000lm	84000lm	112000lm	168000lm	210000lm	252000lm	210000lm	252000lm	210000lm	252000lm	252000lm
Efficacy (lm/W, Std. Dev. ±5%)@CCT=4000K, CRI>70Ra, with visor	1SD	125lm/W	125lm/W	125lm/W	125lm/W	125lm/W	125lm/W	125lm/W	125lm/W	125lm/W	125lm/W	125lm/W
	35°85D	135lm/W	135lm/W	135lm/W	135lm/W	135lm/W	135lm/W	135lm/W	135lm/W	135lm/W	135lm/W	135lm/W
	20°30D	125lm/W	125lm/W	125lm/W	125lm/W	125lm/W	125lm/W	125lm/W	125lm/W	125lm/W	125lm/W	125lm/W
	30D	135lm/W	135lm/W	135lm/W	135lm/W	135lm/W	135lm/W	135lm/W	135lm/W	135lm/W	135lm/W	135lm/W
	PG30D	/	/	/	/	/	/	/	/	/	/	/
	PG60D	/	/	/	/	/	/	/	/	/	/	/
Luminous flux (lm, Std. Dev. ±5%)@CCT=4000K, CRI>70Ra, with visor	1SD	50000lm	75000lm	100000lm	150000lm	187500lm	225000lm	187500lm	225000lm	187500lm	225000lm	225000lm
	35°85D	54000lm	81000lm	108000lm	162000lm	202500lm	243000lm	202500lm	243000lm	202500lm	243000lm	243000lm
	20°30D	50000lm	75000lm	100000lm	150000lm	187500lm	225000lm	187500lm	225000lm	187500lm	225000lm	225000lm
	30D	54000lm	81000lm	108000lm	162000lm	202500lm	243000lm	202500lm	243000lm	202500lm	243000lm	243000lm
	PG30D	/	/	/	/	/	/	/	/	/	/	/
	PG60D	/	/	/	/	/	/	/	/	/	/	/
ULOR	= 0%, @ Luminaire inclination 0°											
CCT	2700K, 3000K, 4000K, 5000K, 5700K											
CRI	Ra70, Ra80, Ra90											
Beam angle	15D/20°30D/30D/35°85D/PG30D/PG60D											
Mechanical Data												
IP/IK	IP66/IK08, according to standard EN 60529 and EN 62262											
Vibration resistance	3G, conform to standard IEC 68-2-6.											
SCx (EPA)	Type-A (Without visor@25°)	Top view: 0.08m² (0.86ft²) Front view: 0.13m² (1.40ft²)			Top view: 0.12m² (1.29ft²) Front view: 0.21m² (2.26ft²)			Top view: 0.16m² (1.72ft²) Front view: 0.29m² (3.12ft²)				
	Type-U (Without visor@25°)	Top view: 0.12m² (1.29ft²) Front view: 0.11m² (1.18ft²)			Top view: 0.20m² (2.15ft²) Front view: 0.22m² (2.37ft²)			Top view: 0.25m² (2.69ft²) Front view: 0.31m² (3.34ft²)				
	Type-A (Reflector, without visor@0°)	Top view: 0.12m² (1.29ft²) Front view: 0.05m² (0.54ft²)			Top view: 0.22m² (2.37ft²) Front view: 0.05m² (0.54ft²)			Top view: 0.32m² (3.44ft²) Front view: 0.05m² (0.54ft²)				
	Type-U (Reflector, without visor@0°)	Top view: 0.15m² (1.61ft²) Front view: 0.06m² (0.65ft²)			Top view: 0.28m² (3.01ft²) Front view: 0.07m² (0.75ft²)			Top view: 0.37m² (3.98ft²) Front view: 0.07m² (0.75ft²)				
Housing/Materials	Heavy-duty die-cast aluminum (EN AC-46100)											
Surface treatment	Anti-UV thermosetting polyester/80 micron epoxy primer + Anti-UV thermosetting polyester (for extremely corrosive environments).											
Painting	Black, Silver Grey, Custom request											
Cable	Pre-wired with a 30 cm cable (Other lengths on request)											
Mounting	Top fixed/Yoke mount											
LED												
LED Manufacturer	Seoul (CREE/LUMILEDS Optional)											
LED model	Seoul 5050/Seoul Z5M4 3535											
Number of LED	15D(3535Z5M4)	168	252	336	504	630	756	630	756	630	756	756
	35°85D(5050)	168	252	336	504	630	756	630	756	630	756	756
	20°30D(3535Z5M4)	168	252	336	504	630	756	630	756	630	756	756
	30D(5050)	168	252	336	504	630	756	630	756	630	756	756
	PG30D(5050)	180	270	360	540	675	810	675	810	675	810	810
	PG60D(5050)	180	270	360	540	675	810	675	810	675	810	810
Working current of single LED	15D(3535Z5M4)	755mA	765mA	755mA	742mA	780mA	775mA	780mA	780mA	780mA	780mA	780mA
	35°85D(5050)	375mA	383mA	375mA	370mA	385mA	385mA	385mA	385mA	385mA	385mA	385mA
	20°30D(3535Z5M4)	755mA	765mA	755mA	742mA	780mA	775mA	780mA	780mA	780mA	780mA	780mA
	30D(5050)	375mA	383mA	375mA	370mA	385mA	385mA	385mA	385mA	385mA	385mA	385mA
	PG30D(5050)	352mA	350mA	352mA	350mA	360mA	358mA	360mA	360mA	360mA	360mA	358mA
	PG60D(5050)	352mA	350mA	352mA	350mA	360mA	358mA	360mA	360mA	360mA	360mA	358mA
Lens	Polycarbonate + Tempered Glass (≈5 mm thick)											

Model		AOK-400WiSF	AOK-600WiSF	AOK-800WiSF	AOK-1200WiSF	AOK-1500WiSF	AOK-1800WiSF
Other Data							
Lifespan		L90B10 - 52 000 h, @Tq 25°C					
Warranty		5 years (Warranty extension up to 10 years on request)					
Certification		ROHS/CE/CB/For other certificates please request					
Product size (without driver box)	Type-A (Lens)	L599.2*W389.8*H155mm	L607.2*W559.8*H155mm		L729.8*W607.2*H155mm		
	Type-A (Reflector)	L599.2*W304.8*H226mm	L599.2*W474.8*H226mm		L644.8*W607.2*H226.1mm		
	Type-U (Lens)	L706.5*W239.8*H235.5mm	L744.5*W373.1*H344mm		L673.4*W551.1*H424.9mm		
	Type-U (Reflector)	L706.5*W250.2*H201.9mm	L744.5*W443.8*H243.2mm		L714.7*W609.7*H343.2mm		
Net weight (without driver box)	Type-A (Lens)	11.1KG	19.04KG		27.14KG		
	Type-A (Reflector)	11.1KG	18.26KG		26.0KG		
	Type-U (Lens)	12.1KG	20.2KG		28.8KG		
	Type-U (Reflector)	11.7KG	19.07KG		27.66KG		
Carton size (without driver box)	Type-A (Lens)	L650*W410*H225mm	L690*W670*H220mm		L940*W670*H220mm		
	Type-A (Reflector)	L650*W410*H225mm	L690*W670*H220mm		L940*W670*H220mm		
	Type-U (Lens)	L725*W355*H225mm	L765*W435*H395mm		L780*W735*H230mm	L870*W735*H230mm	
	Type-U (Reflector)	L725*W355*H225mm	L765*W435*H395mm		L780*W735*H230mm	L870*W735*H230mm	
Gross weight (without driver box)	Type-A (Lens)	15.1KG	23.04KG		31.14KG		
	Type-A (Reflector)	15.1KG	22.26KG		30.00KG		
	Type-U (Lens)	16.1KG	24.2KG		32.8KG		
	Type-U (Reflector)	15.7KG	23.07KG		31.66KG		
Application field		Suitable for stadium, sports field, port, railway station					

