

GAMEDAY
LIGHTING



BRYANT SERIES

TOP PERFORMING LED
SPORTS LIGHT

UP TO **2000W MHL REPLACEMENT**

POWER: 400w-1200w

Features of the Bryant Series

Bryant series is an energy-saving and economical LED flood light which is suitable for stadium lighting. It is also suitable for large outdoor lightings such as ports and docks.

- Up to 140lm/w, power range: 400w-1200w
- UV stabilized polyester powder paint finish for durability and corrosion resistance. Saving maintenance budget and operating costs.
- Excellent lighting system design, better night vision performance.
- Eco-friendly, the lighting around the site is not plagued by light pollution.
- The illumination of the site is significantly improved. with better uniformity and the overflow light is reduced to a minimum.
- Pure aluminum heat dissipation design, more conducive to prolong the lifespan.

UP TO
140
lm/w

100-277V
277-480V
50/60HZ

THD
<20%

L90B10
>52000hrs
@ 25 °C

Working Temperature
Environment
-40°C~50°C
(-40°F~+122°F)

IP65
IK08

3G
VIBRATION
TESTING

CRI
70/80/90


DIM





**Better Performance
Starts With Better Lighting**

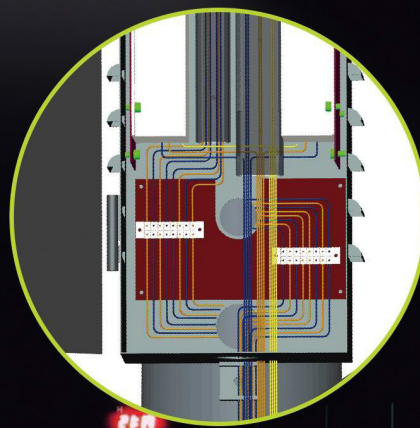
> Designed for Sports

- Our lighting system, electrical, structural all links of the precise configuration and full consideration, precise control of light, to ensure the best light efficiency. We make the whole lighting system faultless, more durable.

- We provide easy-to-maintain design, integrated grounding and surge protection to ensure the long life of the sensitive electrical components required by LEDs.



Separated power supply installation, easy maintenance. Highly integrated wire harness, the remote control system is optional, easy to operate.



HEAT SINK

- Pure Aluminium 6063, high thermal conductivity
- Unique convective air cooling design
- Machined smooth surface for maximum heat transfer of the LEDs
- Maintains low LED junction temperature for high wattage operation

LENS

- High-temperature resistance PC materials
- High transparency
- Multiple beam angles

TEMPERED GLASS

- Impact-resistant IK08
- High transparency

BRACKET

- Knuckle Assembly
- Maintains alignment in up to 150 mph winds
- Bracket adjustment Angle range:
 - Elevation Angle $0^{\circ} \sim 90^{\circ}$
 - Depression Angle $0^{\circ} \sim 90^{\circ}$
- Yoke mount available.

LED PANEL

- Seoul 5050/Seoul Z5M4 3535
- Metal-core printed circuit board

GRATING PLATE

- High-temperature resistance materials
- Mirror surface anodizing
- Dramatically reduces glare and spill

SURFACE COVER

- Perfectly sealed to keep optics away from harmful environmental elements
- High-strength material ADC12

LIGHT CONTROL VISOR

- Visor with reflective surface and adjustable angle
- Dramatically reduces glare and spill, and maintain high output

> Photometric Design

- Glare & light pollution
- Light spills out

- Comfortable uniform lighting effect
- No upper light pollution
- Better visual experience

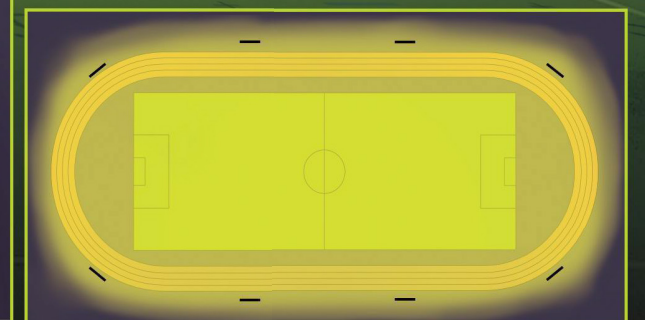
Accurate light distribution design to ensure accurate lighting, Lumileds or Seoul LED chip to ensure the best lighting performance.



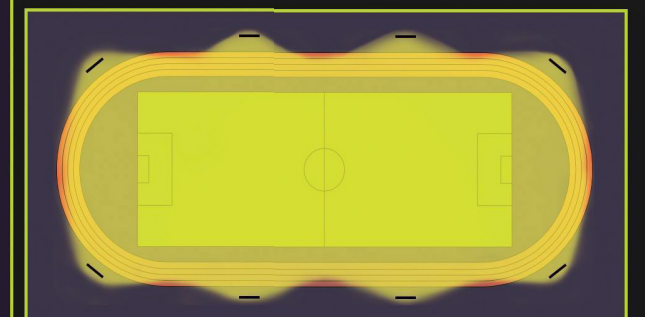
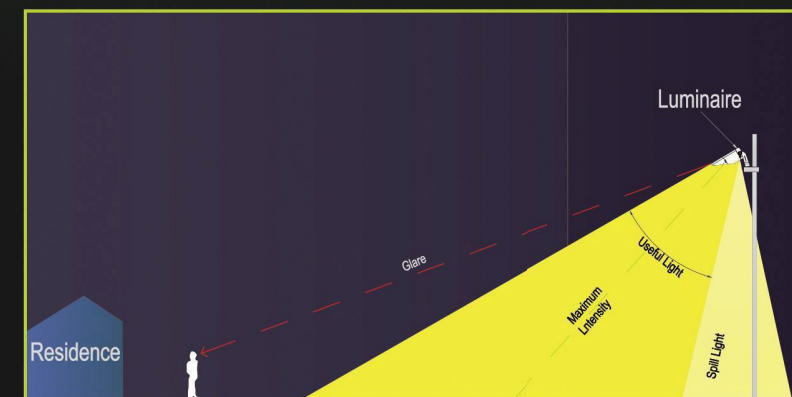
- Glare can cause problems for athletes and nearby residents. Spillover light causes light pollution in the night sky. Solving the problem of reducing light pollution is the primary mission of our product design. While providing a brighter lighting system for the site, we were also concerned about how to reduce the disturbance to the surrounding environment.
- Effective control of light can better reflect the energy conservation and environmental protection of LED lighting equipment. The low glare design of the Bryant series allows for effective control of light and direction, providing greater comfort for athletes on the field, a better spectator experience, and minimizing light pollution.
- Precise lighting system design of Bryant series, combined with visor, reduces in-site glare by 40%, spills by more than 50%, and saves energy by up to 40% compared to conventional MHL or other lamps.



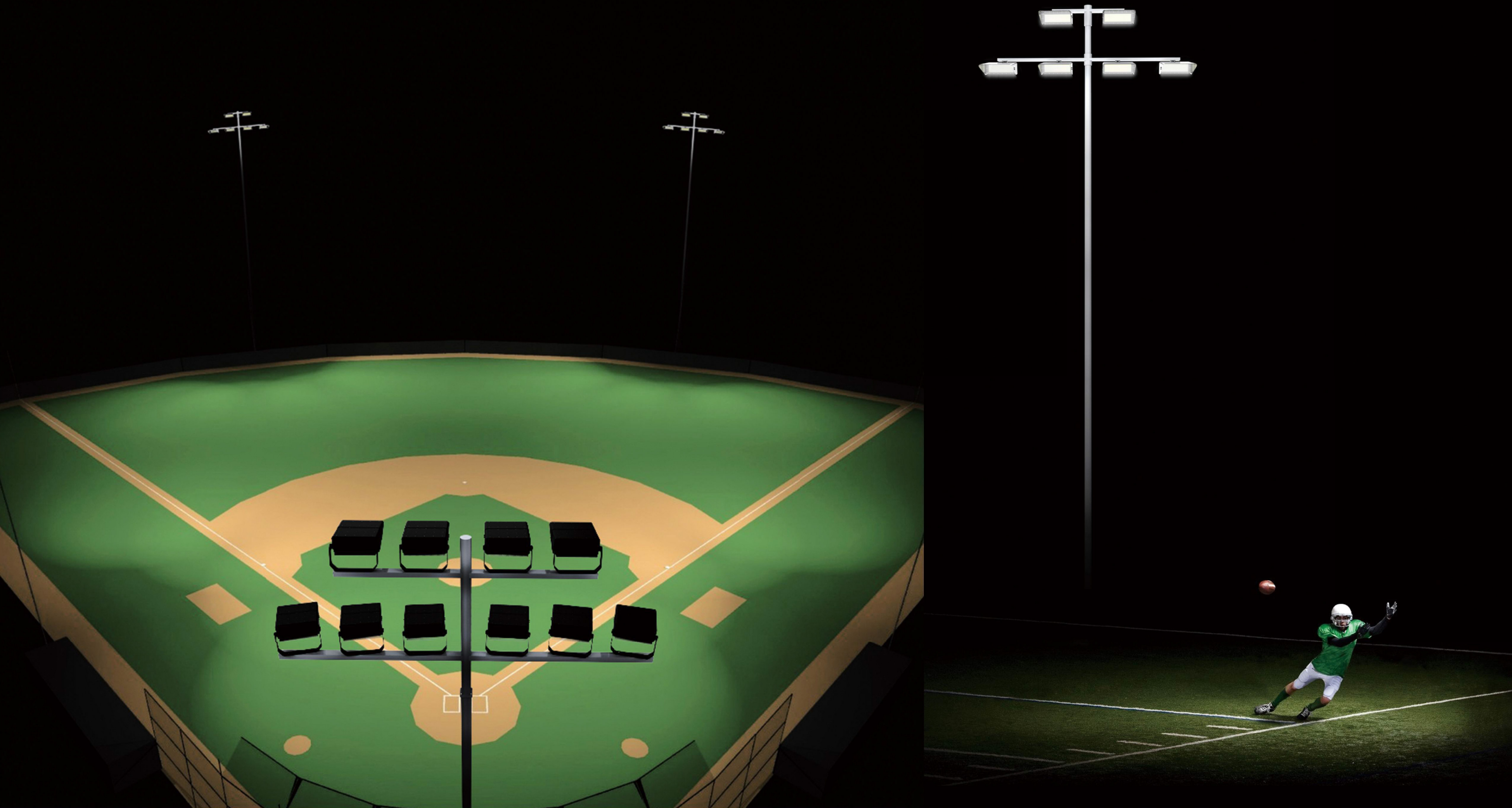
- Without visor, light spills out.



- With visor, better lighting effect and lower glare.



> Application Reference



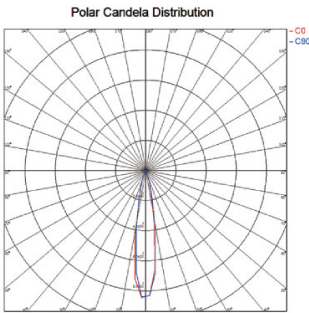
*Due to the constant improvements in product development, individual parameters might change. Please refer to our sales or R&D team for most up-to-date content as specifications are subject to change without notice.

Parameter Table

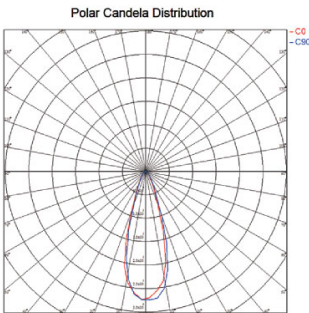
Electrical Data					
Model		Bryant-Q400	Bryant-Q600	Bryant-Q800	Bryant-Q1200
Power(W)		400W	600W	800W	1200W
Modules		1	1	2	2
Input voltage		100-240V, 400V, 100-277V, 277-480V , 50/60Hz(for400w-800w), 180-528V(1200W), 50/60Hz			
THD		<20%			
PF		>0.90			
Control Option		DALI, 1-10V/PWM/Timer dimming, Nema, Zhaga/Presence detection sensor.			
Operating temperature		-40°C to 50°C (-40 °F to 122 °F)			
Driver brand		Meanwell/Inventronics			
Surge Protection		20kV available			
Photometric Data					
Efficiency(LM/W, Std Dev ±3%) (CRI 70Ra, 4000K), With visor	15D	130LM/W	130LM/W	130LM/W	130LM/W
	35°85D	140LM/W	140LM/W	140LM/W	140LM/W
	20°30D	130LM/W	130LM/W	130LM/W	130LM/W
	30D	140LM/W	140LM/W	140LM/W	140LM/W
	PG30D	/	/	/	/
	PG60D	/	/	/	/
Luminous flux (LM, Std Dev ±3%), (CRI 70Ra, 4000K), With visor	15D	52000LM	78000LM	104000LM	156000LM
	35°85D	56000LM	84000LM	112000LM	168000LM
	20°30D	52000LM	78000LM	104000LM	156000LM
	30D	56000LM	84000LM	112000LM	168000LM
	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		IP65/IK08, according to standard EN 60529 and EN 62262			
Vibration resistance		3G, conform to standard IEC 68-2-6.			
SCx (EPA) @25°	Type-A	Top view: 0.37m² (3.98ft²) Front view: 0.18m² (1.94ft²)		Top view: 0.46m² (4.95ft²) Front view: 0.21m² (2.26ft²)	
	Type-U	Top view: 0.42m² (4.52ft²) Front view: 0.17m² (1.83ft²)		Top view: 0.55m² (5.92ft²) Front view: 0.22m² (2.37ft²)	
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			
LED model		Seoul 5050/Seoul Z5M4 3535			
Lens		Polycarbonate + Tempered Glass			
Others					
Lifespan		L90B10 - 52 000 h, @Tq 25°C			
Warranty		5 years (Warranty extension up to 10 years on request)			
Certification		UL/cUL/DLC			
Product size(mm)	Type-A (Lens - With visor)	L695.5*W603*H389.8mm		L786*W607.2*H559.8mm	
Product size(mm)	Type-U (Lens - With visor)	L790mm*W706.5*H241.9mm		L989*W744.5*H368.2mm	
Net weight(kg)	Type-A (Lens - With visor)	13.45KG		22.52KG	
Net weight(kg)	Type-U (Lens - With visor)	14.45KG		23.68KG	
Carton size	Type-A (Lens - With visor)	L665*W660*H225mm		L670*W650*H375mm	
Carton size	Type-U (Lens - With visor)	L715*W665*H230mm		L765*W695*H400mm	
Gross weight	Type-A (Lens - With visor)	18.45KG		27.52KG	
Gross weight	Type-U (Lens - With visor)	19.45KG		28.68KG	
Application field		Suitable for stadium, sports field, port, railway station			

Photometrics

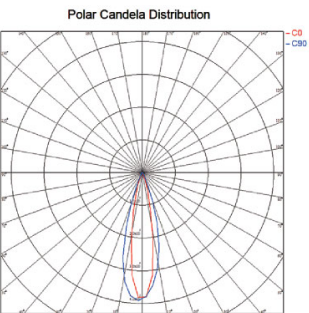
15D



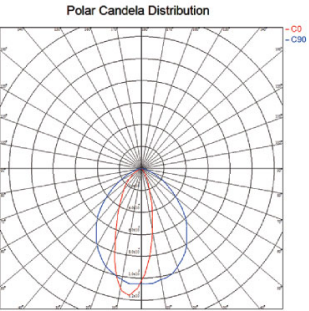
30D



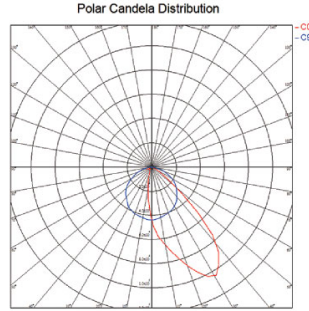
20°30D



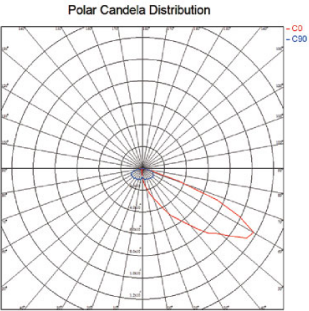
35°85D



PG30D



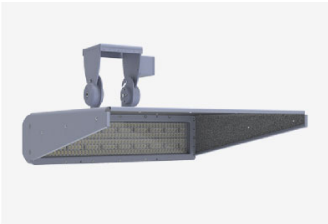
PG60D



Ordering Information

WATTS	VOLTAGE	LED CHIPS	TYPE OF SENSOR	CCT&CRI	DISTRIBUTION	MOUNT	COLOR
400W	NV=100-277V	S5=Seoul 5050	00=Without Sensor	3070=3000K 70CRI	15=15D	A=Top fixed	SG=Silver gray
600W	HV=277-480V	S35=Seoul 3535	SN=Motion Sensor	4070=4000K 70CRI	3585=35°85D	U=Yoke mount	BK=Black
800W			PH=Photocell	5070=5000K 70CRI	2030=20°30D		Custom request
1200W			DV=Dimmable	5770=5700K 70CRI	30=30D		
				3080=3000K 80CRI	PG30=PG30D		
				4080=4000K 80CRI	PG60=PG60D		
				5080=5000K 80CRI			
				5780=5700K 80CRI			

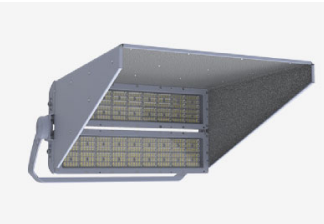
Bracket Options



Type-A
Top Fixed Installation



Type-A
Top Fixed Installation
(Without visor)



Type-U
Yoke Mount



Type-U
Yoke Mount
(Without visor)

Bryant Series Specification Sheet

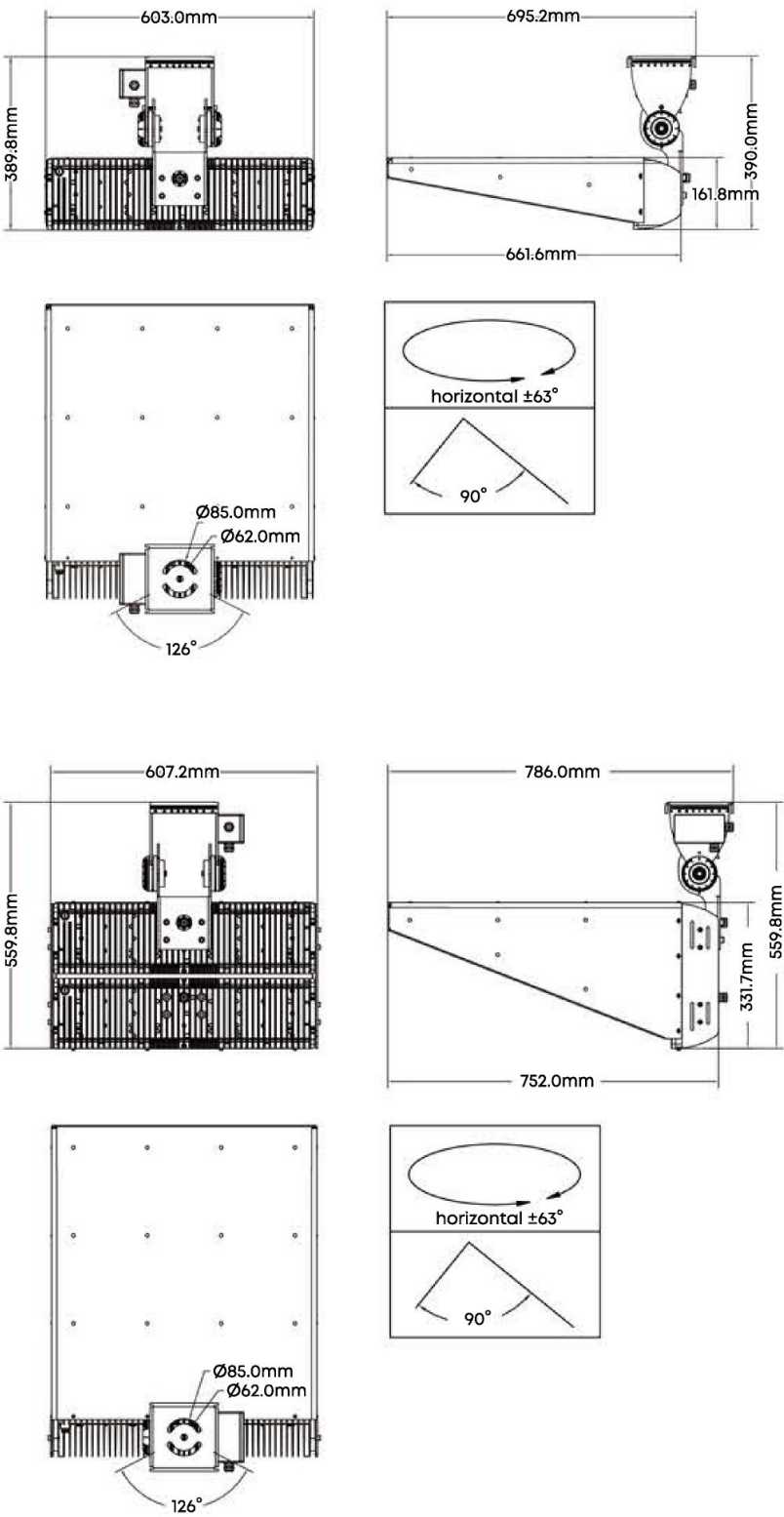
Due to the constant Improvements in product development, individual parameter might change, Please refer to our sales or R&D team for most up-to- date content as specifications are subject to change without notice.

TOP PERFORMING LED SPORTS LIGHT

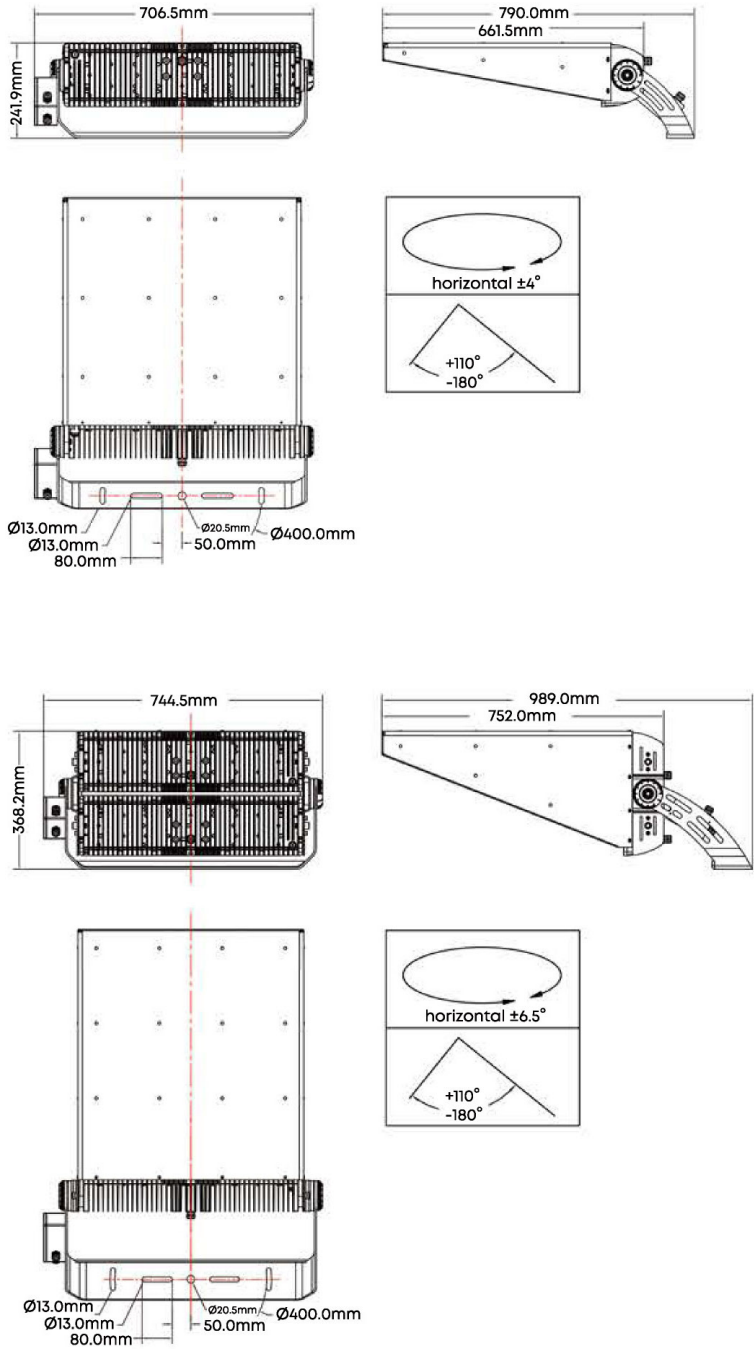


Dimension

TYPE-A: Top Fixed Installation



TYPE-U: Mount Yoke



REMOTE DRIVER BOX DETAIL

