

FORA

LIGHTING

OUTSTANDING OUTDOOR PERFORMANCE

LED FLEX FLOOD LIGHT

100W / 200W / 300W / 400W / 600W

LED FLEX HIGH POWER FLOOD LIGHT

480W / 720W / 960W / 1200W / 1440W



IP66



**165
LPW**

SPORTS AND AREA FLOOD LIGHTS

High quality of light improves players safety and performance, while giving the spectators optimal viewing. Whether it is a practice field or a stadium, lighting needs to be based on the type of game, speed of action, and viewing distance. Fora's sports lighting products delivers the highest flexibility for outstanding light, while limiting environmental impact by reducing glare, light spillage, and sky glow.

FIELD FLEXIBILITY

360° lighting rotation and
140° fixture flexibility



The FLEX HIGH POWER FLOOD LIGHT and FLEX FLOOD LIGHT Series deliver significantly stronger lumen output, incredible flexibility, and the exceptional durability you need for an extensive scope of demanding area applications, from high profile arenas to sports complexes. Ranging from 100W to 1440W to cover all your high lumen needs. Multiple optical lens choices are available with angles including 10°/30°/60°/90°/120° to meet the requirements for professional light distribution and an extensive scope of applications.

Our Glare Shield allows for a top performing BUG (Backlight, Uplight, and Glare) rating to help achieve a goal in controlling glare and light trespass or unwanted light for commercial outdoor lighting.

The added remote driver (up to 90') and external surge protection device allow our high wattage fixtures to be easily maintained while offering extra surge security.

GLARE SHIELD

Reduces glare and light pollution for our flood light applications





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Baseball and softball are fast action sports that require high levels of illumination to enable the visibility of the movement of the ball by players and fans. Most of the fast action takes place in the infield, which requires significantly greater illuminance and overall uniformity than the larger outfield. Floodlighting must minimize shadows, while controlling glare to players, officials and spectators.

The baseball/softball infield has nine fixed lines of site from the infielders, pitcher, and batter. Each pole location needs specific placement to avoid glare and floodlighting is to be

controlled on the field and in the air to ensure optimal viewing conditions for outfielders. Poles are not permitted within a 90° zone directly behind the home plate.

To achieve the greatest safety and viewing performance six or eight-pole floodlighting systems, with our LED Flex High Powered Flood Lights. Each are to be positioned to illuminate the infield diamond, far infield/near outfield and deep outfield.



960W

UP TO 165LPW

360° LIGHTING ROTATION AND
140° FIXTURE FLEXIBILITY



While a soccer ball doesn't have the fast movement of a baseball or softball, it still requires uniform light distribution to enhance players visibility and performance.

Whether it's a recreational facility within residential neighborhood or stadium, emphasis should always be placed on the BUG rating. Regardless of the

wattage and luminance needed, the lighting quality should remain high in terms of uniformity, visual comfort and limitation of obtrusive light especially in residential areas.

The positioning of the poles must be outside the normal direction of playing view for player's fixed line of site to their goals and touch lines.

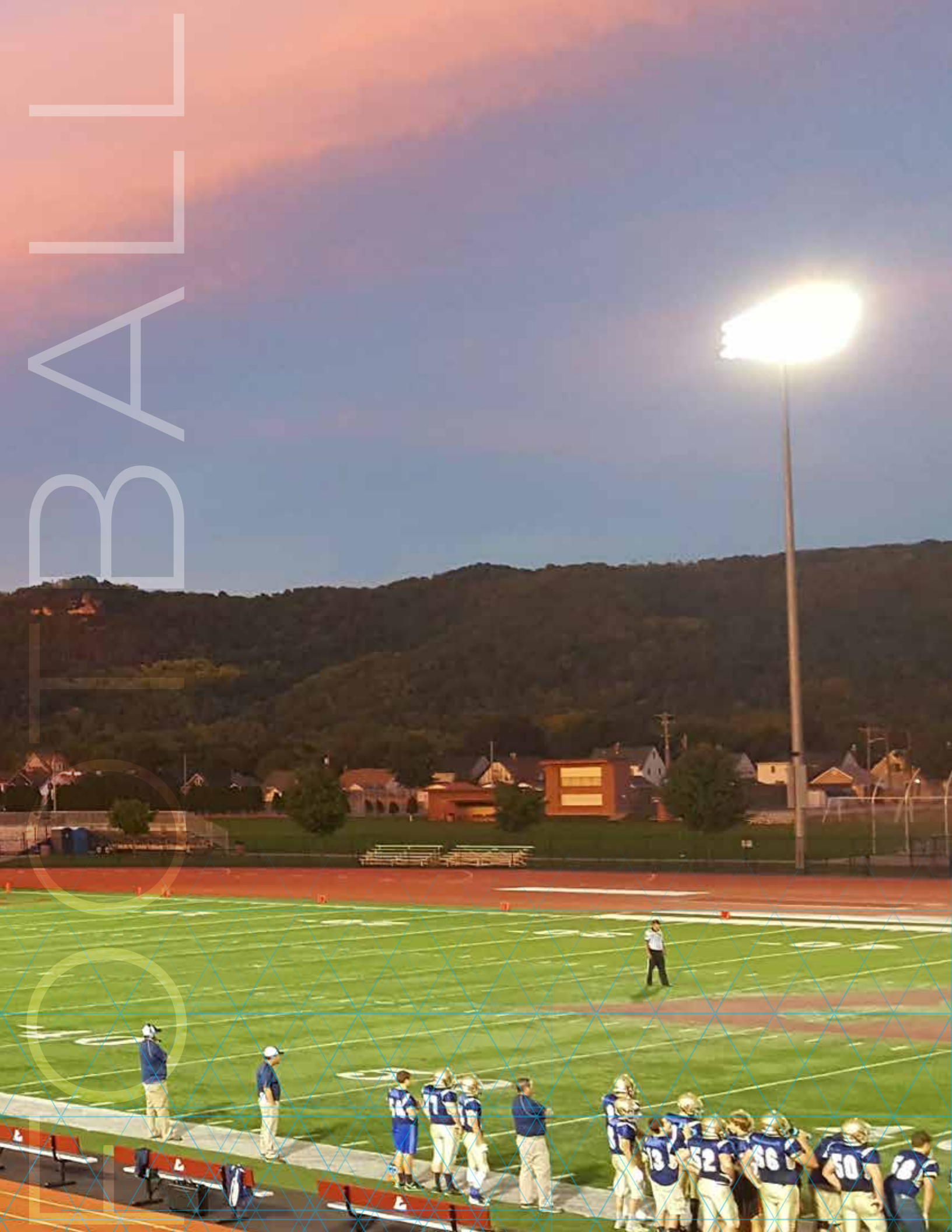
480W

UP TO 165LPW

360° LIGHTING ROTATION AND
140° FIXTURE FLEXIBILITY



BALL



Football field lighting needs to be high performing wattage while still limiting environmental impact by reducing glare, light spillage, and sky glow.

Floodlighting needs to be distributed on the 320'x150' field and it's sidelines as well as in the air so players are able to track and follow the ball in flight. Our 360° rotation and 140° flexibility enables light to distribute evenly throughout the area of play.

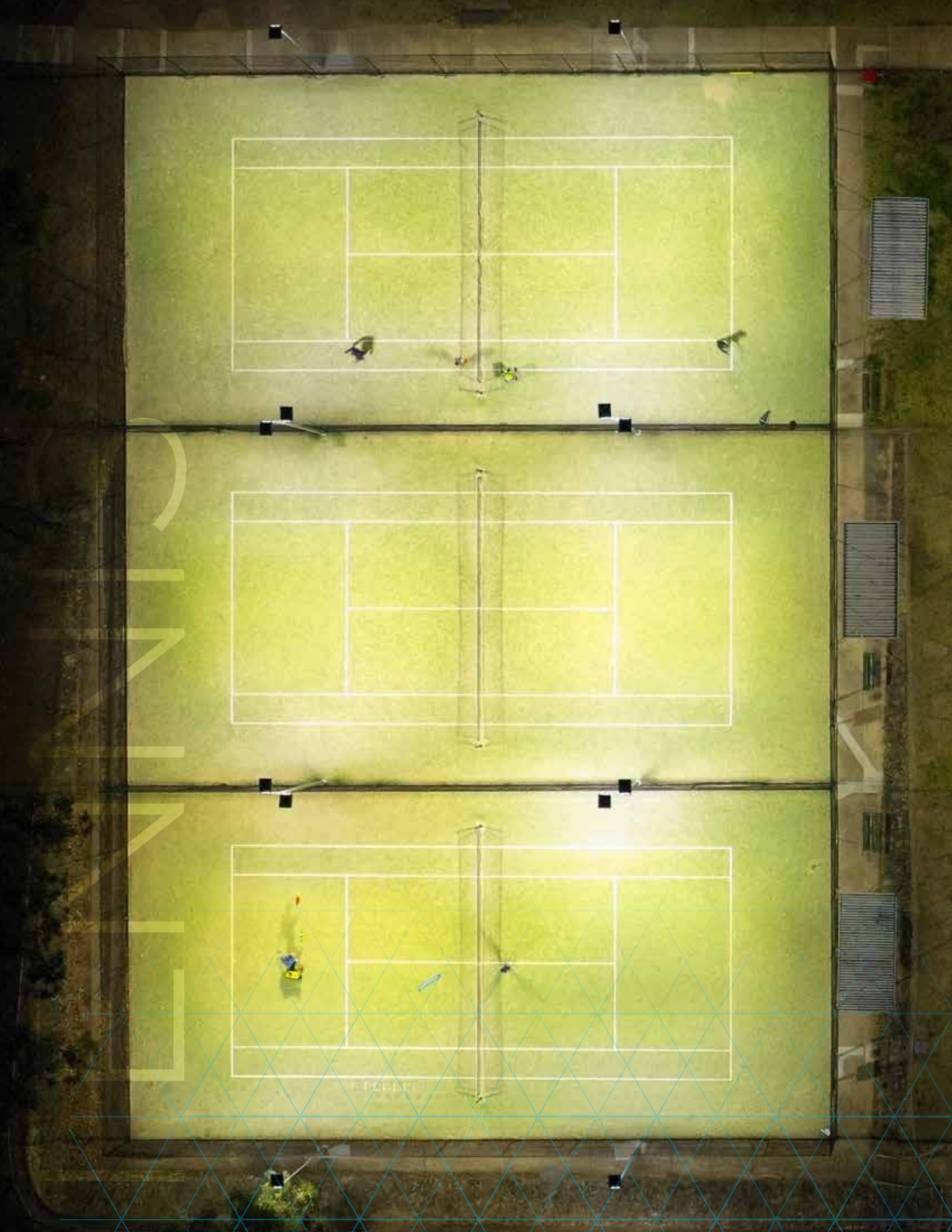
Depending on the class of the field and stadium, standard placement is for two or three poles on either side of the field. Keeping the player's multiple lines of site clear is the challenge most often encountered while making sure uniform light is cast onto the turf.

1220W

UP TO 165LPW

360° LIGHTING ROTATION AND
140° FIXTURE FLEXIBILITY





Ensuring exceptional visibility enables players to see the ball within the court for higher performance and experience. To ensure the best possible experience is available on the court, proper illumination has to be distributed on the court so the game can be played and viewed with ease. By perfecting your lighting layout & design to match your environment & needs, our lights cast optimal light on the playing area.

Creating good visibility requires sufficient contrast to be created between objects

and their backgrounds, good illumination levels and even distribution of light across the playing surface (uniformity) and by minimizing glare.

Positioning of the poles for the tennis court should allow for minimal site lines from the players. Our 360° rotation allows for the light to be distributed where its needed, lighting up the courts, and not the areas where light isn't needed.

100W
UP TO 160LPW
360° LIGHTING ROTATION



WATTAGE OPTIONS



100W
16,000 LUMENS
160 LPW



200W
32,000 LUMENS
160 LPW



300W
48,000 LUMENS
160 LPW



400W
64,000 LUMENS
160 LPW



600W
96,000 LUMENS
160 LPW



480W
70,200 LUMENS
165 LPW



720W
118,800 LUMENS
165 LPW



960W
158,400 LUMENS
165 LPW



1200W
198,000 LUMENS
165 LPW



1440W
237,600 LUMENS
165 LPW

LED DRIVER & EXTRA SURGE PROTECTION ►

INTERNAL DRIVER SURGE PROTECTION

- Wide Input Range 180 ~ 528VAC
- Constant Voltage + Constant Current mode output
- Metal Housing with Class I Design
- Built-in active PFC Function
- IP67 / IP65 Rating for Indoor and Outdoor Installations
- Function Options: output adjustable via potentiometer; 3 in 1 dimming (dim-to-off); Smart timer dimming
- Typical Lifetime: >50,000 hours
- EMC Immunity: surge immunity Line-Earth 4KV, Line-Line 2KV



IP65 IP67

EXTRA EXTERNAL SURGE PROTECTION

- 249-528Vac Working Input Voltage
- Line-Line, Line-Earth Surge Protection Mode
- Maximum Discharge Current (Imax) 20kA, 8/20µs
- Nominal Discharge Current (In) 10kA, 8/20µs
- UL1449 Type 5 Recognized Component
- IEEE C62.41.2 Location Category C High Exposure
- High Temperature, 85°C Maximum Surface Temp Rating

INVENTRONICS



EPA OF FLOOD LIGHTS ►

	720W	960W	1200W	1440W
EPA	4.3 ft ²	5.3 ft ²	6.2 ft ²	7.1 ft ²

WIND RESISTANCE TEST ►

Test Item	Rh (kg/m ³)	S (m ²)	Cd	V (m/s)	F (N)	Result
Onboard Driver						
Static Load Test	1.225	0.372	1.2	50.9	708	Pass - Class 15 - 183 km/h

Test Item	Rh (kg/m ³)	S (m ²)	Cd	V (m/s)	F (N)	Result
Remote Driver						
Static Load Test	1.225	0.372	1.2	57	888	Pass - Class 17 - 220 km/h

RECENT PROJECTS

TENNIS COURT

MODEL FFL1-100W-50K-UNV-10D
LIGHTING QTY 24 PCS **HEIGHT** 44'



STADIUM

MODEL FFL1-960W-50K-UNV- 30D & FFL1-960W-50K-UNV-60D
LIGHTING QTY 136 PCS **HEIGHT** 90'



SOCCER FIELD

MODEL FFL1-100W-50K-UNV-30D & FFL1-600W-50K-UNV-60D
LIGHTING QTY 18 PCS (100W) 8 PCS (600W) **HEIGHT** 48'



SOCCER FIELD

MODEL FFL1-600W-50K-UNV-30D & FFL1-600W-50K-UNV-60D
LIGHTING QTY 18 PCS (100W) 8 PCS (600W) **HEIGHT** 54'

