

# SMART LED LIGHTING SOLUTIONS FOR ALL SPORTS INFRASTRUCTURE



## 4800W-200W LED Stadium Lights



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JMR Sporting offers end-to-end professional smart LED lighting solutions for sports infrastructure projects such as Stadia, Sports Fields, and Indoor Sports Arenas under the brand name Estrella.

Estrella offers comprehensive consultation, design, and execution of LED lighting to fulfil various floodlight requirements of different sports fields, stadia, and other sports facilities. Estrella provides the most energy-efficient LED floodlights and related equipment at the most competitive prices.

The name 'Estrella' signifies a Star, and our products reflect the key attributes of a Star – Efficiency, Stability, and Durability.

Our LED lights under the brand name Estrella have been designed specifically for sports infrastructure projects, to function efficiently, maintain stability under tough conditions, and have immense durability.



# Why Choose Estrella?



What distinguishes us from others is that, we are not stock movers of LED lights. We always do a consultative approach to understand your site specific requirements thoroughly by assessing every aspects and dimensions of your sports infrastructure and accordingly design the most efficient and cost-effective lighting solution for optimum performance.



**Consultative approach to understand your specific lighting requirements**



**Offer customized solutions most suited for your sports infra**



**Ensure high quality of lighting equipment and accessories**



**Our lighting experts ensure balance between optical performance, energy-efficiency, durability, and aesthetics**



**Assured durability, and cost-efficient maintenance**



**7-year warranty**



# Key Aspects of our Lighting Science



We take into consideration the following key aspects of the science of lighting that our experts take into consideration, to ensure your sports infrastructure is equipped to deliver your business objectives and provide a spectacular sporting experience for your audience.

## Technology



### Lamp Efficacy

How efficiently a lamp converts electricity into light(lm/W)



### Ballast Classification

Controls the electricity supply to the lamp (Energy Efficiency Index EEI)



### Luminaire Distribution

Light is controlled and emitted from a luminaries using optics which bend and shape the light to the correct location



### System Efficacy

The combination of the optical and thermal control within the luminaire (luminaire lm/W)

## Key Design Specifications for Lighting

Critical parameters that are considered depending on the dimensions and shape of the ground, luminance requirements for different sports, position, height and number of high masts, for effectively designing and implementing the right lighting solution for you:



**Beam Angle**



**Colour Correlated Temperature (CCT)**



**Lumens Efficiency**



**Anti-glare & Anti-flicker**



**IP Grade**



**Heat Sink**



**Colour Rendering Index (CRI)**



## Stadium Lighting

We are specialized in researching, developing, and producing series of LED flood lights specifically for sports stadiums. We also provide professional lighting solutions and other integrated services. Our professional stadium lighting solutions will create an exuberant sporting environment for your stadium and bring alive the excitement of the sports events.

## Notable Features of Estrella LED Lighting

1

Adopt with high performance Meanwell / Inventronics Driver along with Lumileds / CREE LED Chipsets

2

Salt spray resistant, corrosive resistant, processed with dedicated treatments on the heat sink and 6 other components, for withstanding corrosive and salt intensive environments

3

Anti-dust designable to be with flushable cleaning

4

Flexibility to move the lights horizontally and vertically, in different directions and angles to ensure 100% compliance to your DIALux report

5

Super bright, high efficiency of 150-170 Lm/W

## Remote Driver Installation

Designers are usually paying great attention to the performance of LED modules and drivers, as well as thermal performance, but sometimes the voltage drop on the cable is omitted. Apart from easy maintenance, it reduces the luminaire weight and makes the driver working in the real cooler environment.

## RGB Color LEDs

**Turn your sports arena into a concert event.**

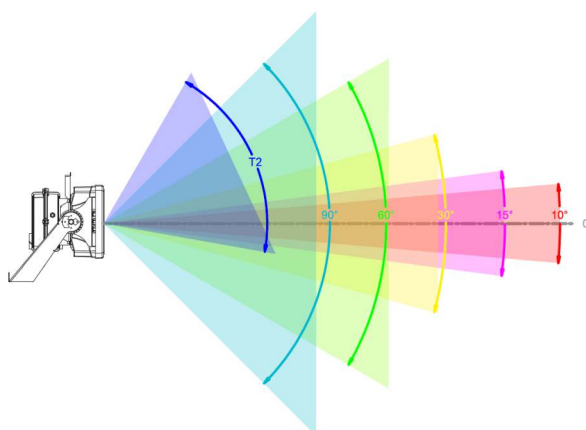
High end Estrella RGB lights can produce almost any colour. Prepare the best stadium lighting for the matches along with additional lighting with RGB lights with various options of lights. DMX512 LED control allows you to enable multi-colour LED lighting device forming a Vibgyor of colours with brightness control. It is ideal for outdoor concerts and events providing decorated lighting, stage lighting designs, home decoration lighting, LED matrix display, and more.

## DALI Dimmable Lights

With DALI dimming systems, you get to access light intensity controls for even an individual device connected in a large arrangement. Popular systems like analog (1-10V) and DSI were efficient too, but individualized control of lights was not available, drastically limiting their utility for group-based arrangements only.

What's further interesting to note is that even with this added benefit, DALI dimming systems have a less expensive wiring setup.

## Availability Of Various Beam Angle Lens







## Surface Protection Technology

Electrophoresis Paint + Outdoor powder paint, High rate corrosion resistance, suitable for harsh outdoor environment.



## Heatsink

Heatsink adopts pure aluminium-cold forging technology, which has strong thermal conductivity, large heatsink area, good heat dissipation performance and especially weight is lighter



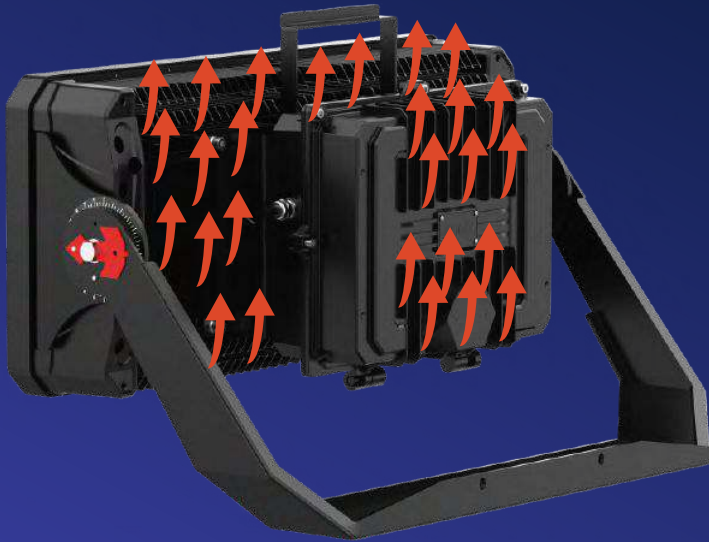
## Lens

Ik09 Anti-UV PC Lens > 95% Light Transmission  
High transmittance PC lens, strong protection and good optical function



## LED Type

High efficiency and energy saving LEDs



## Cooling technology

### Perfect Heatsink

- Perfect heat dissipation
- Overall cold forging technology.
- The overall cold forging technology has better thermal conductivity and faster heat dissipation. The product can be compact, less weight and high power.
- Easy Heat Dissipation Helps to Extend Lifetime.
- Integrated cooling design, effectively solve the heat problem, ensure the light's source life.

## Metal Cable Protection Tube

Protect the cable from any potential damage, like bird, mouse and rugged weather etc





# Providing Comprehensive Sports Field Lighting Solution

Each sports field requires a different type of lighting, with specific height of the mast, angled at a particular degree, and with specific luminescence. We provide the right combination for each sports field such as football field, cricket ground, tennis court, golf course, hockey field, and basketball court, among others, as per its international standards, with high-quality components.

**Our Comprehensive sports field lighting solutions offers perfectly illuminated ambience for your sports fields, while ensuring your maintenance cost stays minimal.**

## Indoor Sports Arenas

**We also specialize in lighting for indoor sports arenas and ensure that the different specifications for the indoor facilities are met through scientific approach, design, and techniques.**

Our experts are equipped with knowledge and expertise to handle the challenges of designing and implementing lighting solutions for indoor arenas. We ensure that the lighting solution strikes a perfect balance between having high levels of illuminance (for live recording, live telecast/webcast) and ensuring that there is no glare and resultant discomfort for the spectators. Also, our lighting solutions ensure that there is optimal temperature control, as lighting can be a major source of heat in indoor arenas.

