



## ABOUT US

Edisson India Sports Light, a division of Edisson-India Nextgen Pvt Ltd, brings over 11 years of expertise in manufacturing cutting-edge lighting solutions for televised broadcasts. Our commitment to innovation ensures unmatched quality and performance, making us a trusted name in the industry. We specialize in creating world-class lighting systems that meet the demanding standards of modern sports and entertainment.

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It's lighting product and software solution has AI platform connectability for easy cares of maintenance, since the concept has been based on Industry 4.0.

**O**ur IoT technology is equipped with various sensors and uses wired and wireless communication technology to provide energy saving, glare adjustment, schedule management and maintenance using remote management.

The newly launched MultiPlay Series LED sports light ranges from 400W to 1000W and offers 13 °, 15 °, 20 °, 25 °, 30 ° and 40 ° light distribution, and is ready for precise illumination design.

By using wired and wireless control technology, stadium lighting events are capable.

To add to the effect of stadium lighting events, MultiColor 400 is added to the white light source to provide a more effective fan experience. MultiCon24, a lighting controller, controls the luminaires in real time and can control the lighting as turn on and turn off, adjust the brightness from 0% to 100%, and simultaneously collect various luminaire status information sent by the luminaire.



## MORE THEN 11 YEAR OF MANUFACTURING EXPERIENCE IN LED SPORTS LIGHTING

Edisson Sport Light represents the pinnacle of innovation in sports lighting, designed to deliver unparalleled performance and reliability. With 11 years of manufacturing expertise, Edisson has mastered the art of crafting cutting-edge lighting solutions that combine advanced technologies like DALI, DMX RDM, and state-of-the-art optical systems.

Engineered for precision and efficiency, Edisson Sport Lights are tailored to meet the demanding needs of modern sports arenas and outdoor facilities. The integration of DALI and DMX RDM ensures seamless control, enabling dynamic lighting effects and precise adjustments to create optimal conditions for players and spectators alike.

Our innovative optical solutions guarantee uniform light distribution, reducing glare and enhancing visibility, while our robust designs ensure durability and long-term performance even in challenging environments.

Choose Edisson Sport Light for a seamless blend of technology, sustainability, and expertise, transforming every game into an extraordinary visual experience.



## 4 KEY ADVANTAGES OF MULTIPLAY

The birth of the MultiPlay series is the result of sustainable lighting and energy savings, as well as new developments for the global environment.

1

### Sustainability

Sustainable design that takes into account the environmental, economic, and social impacts of every product and service creation process.

2

### Extendable Reasonable Warranty

One or a series of lights can be dimming controlled using Multicon 24, and various operating data of lighting fixtures can be collected to enhance the convenience of fault detection lighting management and to enable high-level energy savings.

3

### Eco-Friendly

Use eco-friendly parts, extended product life with guaranteed quality

4

### Minimized Glare

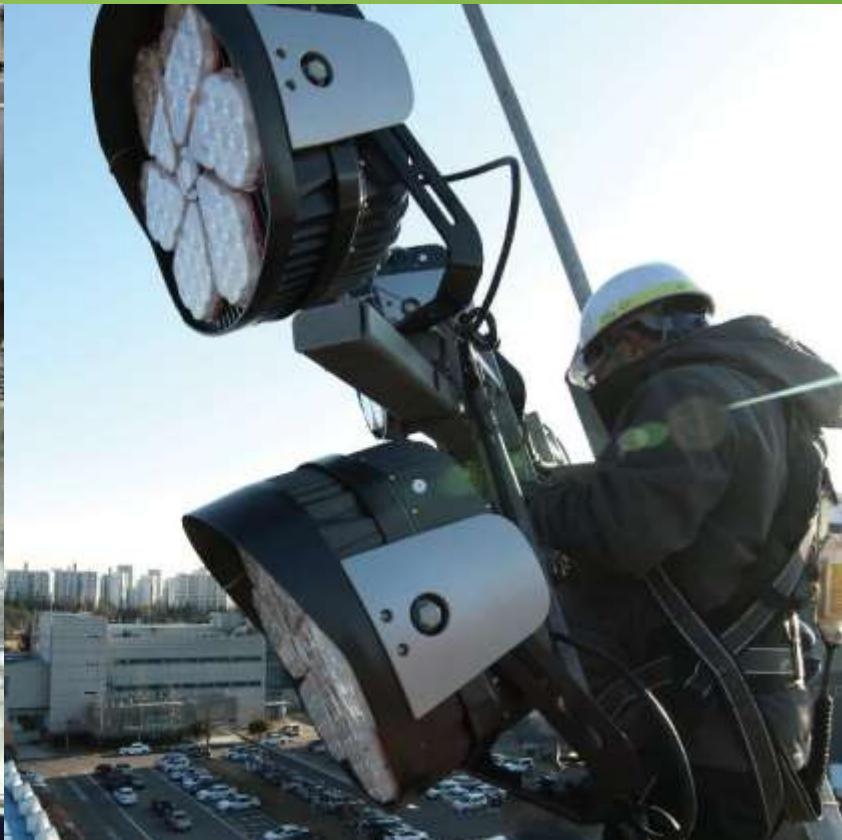
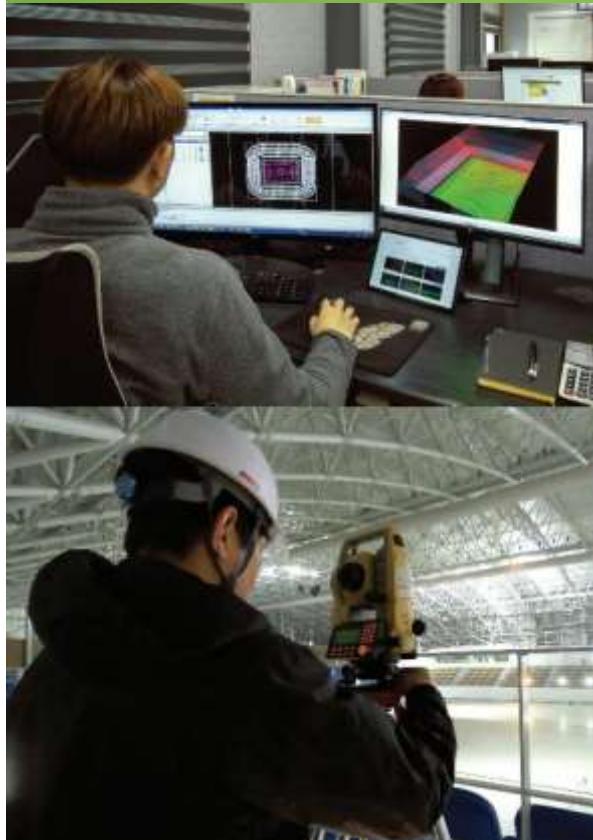
Minimize impact on the ecosystem by adopting glare-reducing optical systems

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The cutting-edge technology of the MultiPlay series has been developed to exceed the User's expectations.

# OUR SERVICES

- Sports lighting supply (MultiPlay 400, MultiPlay 600, MultiPlay 1000, MultiColor 400, MultiCross 600)
- Sports lighting controller supply (MultiCon24, MultCon24 revolution software for pc)
- Sports facility illumination design in 2D and 3D
- Consulting sports facility lighting and system



Design	Installation & Maintenance
Site Plan	

We light your challenge!  
we bright your future!  
We support your eco-friendly behaviour!

- Housing Structure
- Functional Structure
- Optical Structure



#### **LED defect detection**

LED defect detection system with built-in light sensor.

#### **Air circulation for preventing condensation**

Equipped with a moisture protective vent to prevent condensation inside the luminaire.

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Equipped with a moisture protective vent to prevent condensation inside the luminaire.

**Glare Prevention**

Anti-glare with visor integrated structure.

**Deco for design**

Various color finish,  
(Black / Silver / Gold)

**Precision Optical lens**

Various Beam Angles( $13^\circ$ ,  $15^\circ$ ,  $20^\circ$ ,  $25^\circ$ ,  $30^\circ$ ,  $40^\circ$ )  
with excellent field angle.

**LED Housing | Vertical heat dissipation structure**

Vertical heat dissipation structure using natural convection to prevent LED heat rise.

**6-divided lens structure**

Maintain sufficient LED SMT distance, reduce thermal rise between PCBs using 6 independent lenses, and easily replace lenses or PCBs.

# PATENT AND DESIGN

- Korea Pat. No. 10 2008921
- Korea Design Pat. No. 3009923580000
- China Design Pat. No. 5137567
- RoHS Certified



## Deco for design

Various color finish.  
(Black / Silver / Gold)

## Structurally separated LED housing and converter housing

The heat from the front LEDs is isolated to prevent transfer to the rear converter housing.

**Converter housing / Vertical heat dissipation structure**

Ensures stable temperature by immediately removing heat from the converter.

**Aiming deviation detection**

Equipped with a sensor to detect when the aiming direction of the luminaire changes, maintain the initial illuminance design and installation direction.

**Measurement of humidity inside lighting**

Predictive maintenance service diagnosis by judging the numerical change of the built-in humidity sensor as the information related to moisture penetration.

**Wireless communication function**

Adopt Zigbee communication, two-way information transmission (transmit and receive digital data) or DMX control

**Record operational information**

Store usage data such as time, temperature, humidity, deviation from aiming, brightness.

**Temperature measurement**

Measure the temperature of the three locations to prevent overheating and proactively diagnose the causes of maintenance service.

**Dual surge protection**

Built-in 6kV surge protection circuit of converter, additional 20kV surge protector installed.

# MultiCon<sup>24</sup>

MultiCon24 is a 'Smart Dimming Control System' used in stadiums where MultiPlay 600 and MultiPlay 1000 are installed, and it is a device that enables to turn on and off sports lights in real time by registering lighting fixtures in up to eight groups. It uses zigbee, a wireless communication protocol, and uses 128-bit security solution. In addition to the brightness control function, it includes the real-time overall lighting on/off function, timer function, and off function when leaving the stadium.

## MultiCon24 Specification

12V DC Power

Group Zone Dimming Knob

On/Off Push button

Timer button (1Hr, 2Hr, 4Hr)

Exit button (5Min)

Die-Casting Aluminum

No-Waterproof

## MultiCon24 Feature



### On/Off Button

All lights instant On(100%) / Off(0%)



### Timer Button

- ① Remaining time setting
- ② Automatically turn off all the lights after setting 1, 2, 4 hour buttons



### Exit Button

- ① Exit facility setting
- ② Automatically turn off all the lights after 5 minutes (0%)



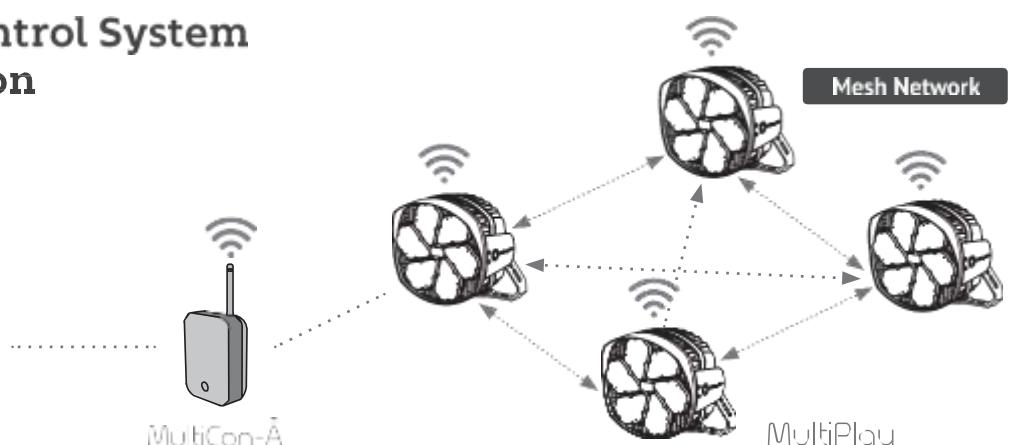
### Zone Button

- ① Group dimming function
- ② Output 0~100%, up to 8 groups

## Wireless Control System Configuration



MultiCon



When using MultiCon24, off (0%) setting consumes maximum of 0.5 watts standby power per a luminaire.

MultiCon24 revolution is a sports lighting system operation management software running on PC. In order to maintain the light quality in night sports events, the most mission critical issue, each lighting fixture status and record has to be managed by applying various sensors and wireless communication technology.

Our MultiCon24 revolution can help our customer to keep best lighting quality in their own hand. In addition, various statistics enhance the customer's knowledge of the 'lighting and control' key elements.

## MultiCon24 revolution Specification

Real time lighting control (0-100%)

Statistics Report

Operating Record Monitoring

Diagnosis of lighting condition

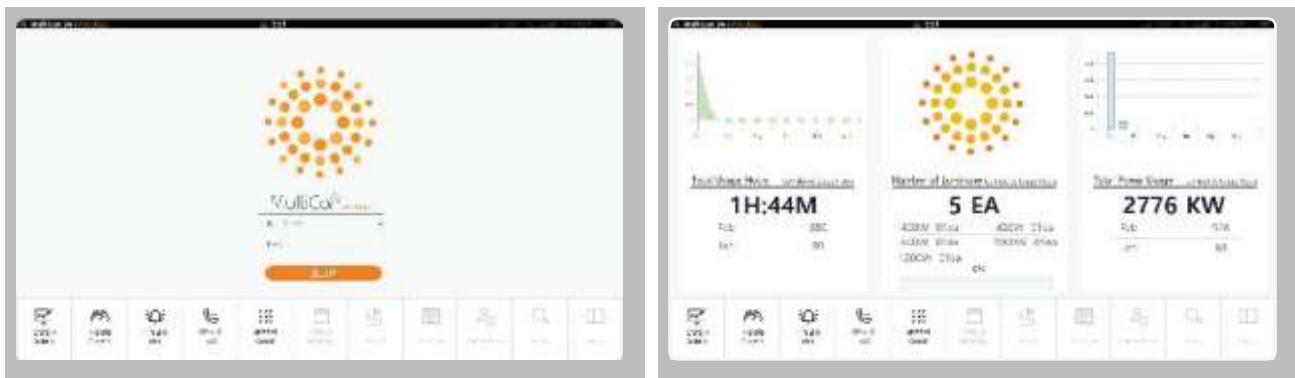
Schedule set

Alert of fault or errors

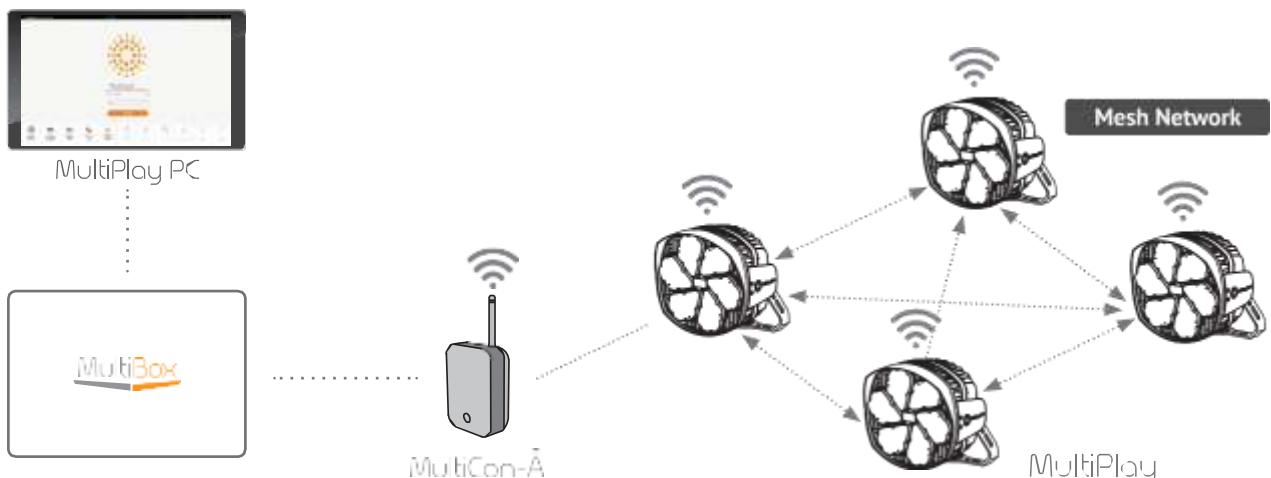
Environmental requirement

Intel Celeron (2.0Ghz / Quad-core) | Win 10 IoT Enterprise 64bit | 0~40°C | Touch screen LCD display

## MultiCon24 revolution operation screen



## Wireless Control System Configuration



# MultiPlay Series

MultiPlay Series is designed for sports arena, recreational facilities. In addition to benefits, it can be expected more effects of saving energy, strong durability and greater longevity when replaced HID fixtures.

MultiPlay Series can produce a high quality of uniformity and illuminance wherever needed. Unlike conventional lighting, MultiPlay Series minimizes spilled light over the outside field of play to protect environments and neighborhoods who feel discomfort.

## MultiPlay Series Application

Soccer / Tennis / Baseball / Volleyball / Basketball / Futsal / Golf / Port / Airport / Railway

## MultiPlay Series Specification

### MultiPlay 600

Power Consumption (W)	600
Input Voltage Range (V)	AC 90 ~ 240
Luminous Flux (lm)	75,977
Efficiency (lm/W)	132
Color Temperature (K)	5700
CRI (Ra)	80
Beam Angle (°)	13 / 15 / 25 / 30 / 40
Operating Temperature	-30°C~55°C
Weight(kg)	29.0
Waterproof (IP)	66
Dimension (mm)	465 x 462 x 464

### MultiPlay 1000

Power Consumption (W)	1000
Input Voltage Range (V)	AC 90 ~ 240
Luminous Flux (lm)	112,320
Efficiency (lm/W)	117
Color Temperature (K)	5700
CRI (Ra)	80
Beam Angle (°)	15 / 20 / 30 / 40
Operating Temperature	-30°C~55°C
Weight(kg)	35.0
Waterproof (IP)	66
Dimension (mm)	465 x 462 x 464



▲MultiPlay 600 (Silver)



▲MultiPlay 1000 (Gold)



▲MultiColor 400 RGBW (Black)

# MultiColor 400 RGBW

MultiColor 400 is a stadium event light that uses RGBW (Red, Green, Blue, White) light sources. This is a color light that can be used in combination with the white light stadium lights, MultiPlay 600 and MultiPlay 1000, to add various colors to a large space. It can be used in conjunction with an event controller that uses DMX signals and a wired/wireless communication method applied. It is used for indoor and outdoor stadiums and maximizes fan experience.

## MultiColor 400 RGBW Application

Football Stadium / Indoor Arean / Baseball Stadium / Amusement Park / Landscaping

## MultiColor 400 RGBW Specification

MultiColor 400 RGBW	
Power Consumption (W)	430
Input Voltage Range (V)	AC 90 ~ 240
Luminous Flux (lm)	All : 18,396 / Red : 4,490 / Green : 7,208 / Blue : 1,532 / White : 7,160
Color Temperature (CCT, Min ~ Max)	Red : 620 nm ~ 630nm / Green : 520nm ~ 535nm / Blue : 450nm ~ 465nm / White : 5700K ~ 8000K
Beam Angle (°)	15 / 25 / 30 / 40
Operating Temperature	-30°C~55°C
Weight(kg)	30.0
Waterproof (IP)	66
Dimension (mm)	465 x 462 x 464

# MultiCross 600

MultiCross 600 is designed for sports arena, recreational facilities and large-area.

In addition to benefits of 'semi-cutoff' light, it can be expected more effects of saving energy, strong durability and greater longevity when replaced HID fixtures. It can produce a better quality of uniformity and iluminance at low profile lighting tower.

And same time MultiCross 600 controls light pollution such as sky glow light and trespass light to neighborhood nearby.

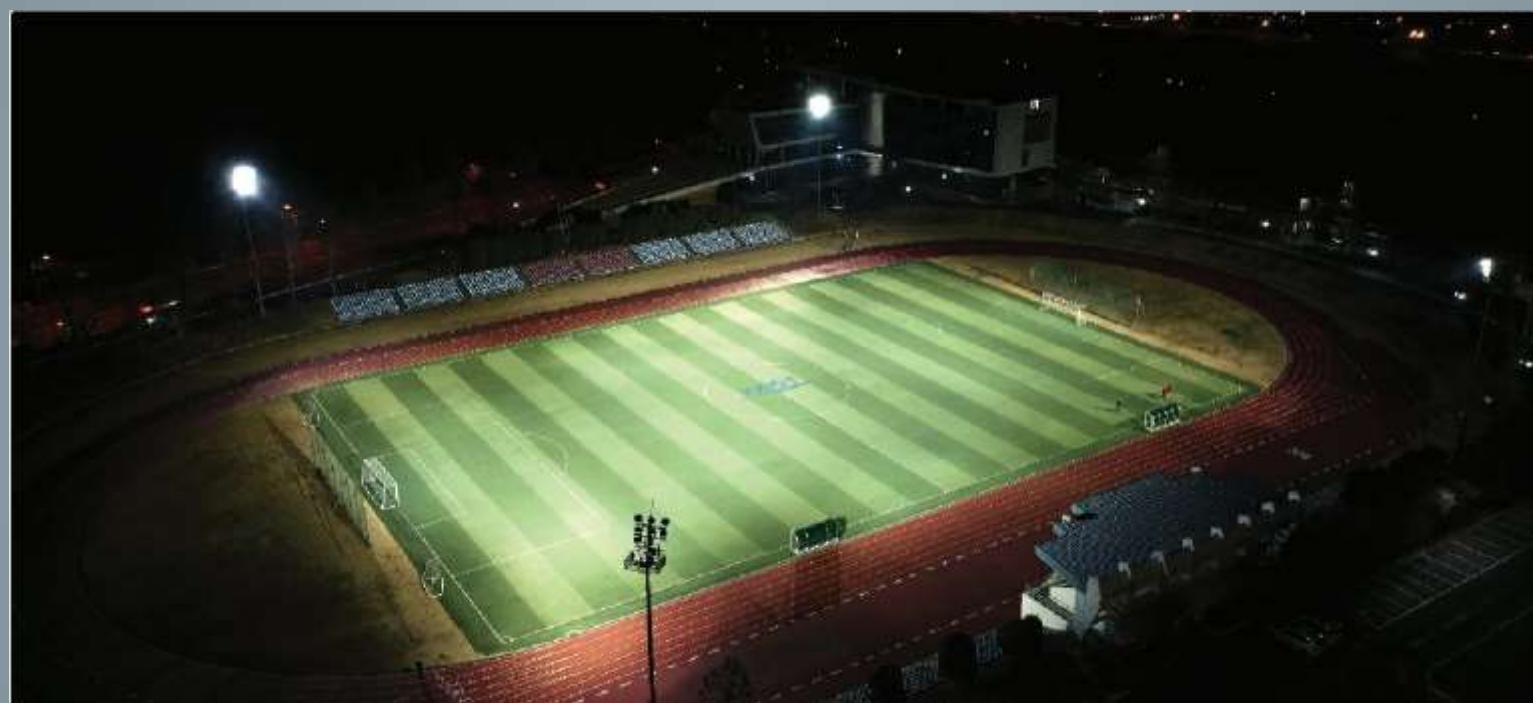


## MultiCross 600 Application

Tennis / Baseball / Volleyball / Basketball / Futsal / Golf / Port / Airport / Railway

## MultiCross 600 Specification

MultiCross 600	CRI (Ra)	80
Power Consumption (W)	600	
Input Voltage Range (V)	AC 90 ~ 240	
Luminous Flux (lm)	78,000	
Efficiency (lm/W)	130	
Color Temperature (K)	5700	
Beam Angle (°)	Asymmetric Wide	
Operating Temperature	-30°C~55°C	
Weight (kg)	28.0	
Waterproof (IP)	66	
Dimension (mm)	629 x 807.5 x 193.5	



## INSTALLATION REFERENCE

The cutting-edge technology of the Multiplay series has been developed to exceed the user's expectations in environmental factors, economic factors and social factors. Therefore society can realize the best LED sports lighting that can contribute to the future global ecology and environment.





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We bright your future!

**We support your eco-friendly behaviour!**

