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深圳市创奇光电有限公司
MIC OPTOELECTRONIC CO.,LTD

Company Profile

We independently design and manufacture LED products ranging from High mast led flood light, Led Street Light, Led Tunnel Light, Led Shoebox, Led Canopy, Led Wall Pack, Led Corn Light, UFO Led High Bay, LED Down Light, Led Panel Light etc to the other LED lights.

20 counties and regions including Europe, America, Oceania, Africa, Southeast Asia, the Middle East, and Japan. Since the establishment of our own brand MIC LED, with strong R&D capacity, professional technical team and rich experience in the industry, we launch new products beyond the customers' expectation every year, which always lead the industry trend.

3+

3 production workshops

16+

15 years experience

6+

Patents for inventions

20+

Sold to more than 20 countries

80+

Inspection Certificate

100+

More than 100 marketing and sales staff



VISION

Light the world

MISSION

Lower electricity bills

VALUE

Make the best lights



Certificate

Total Lighting Solution Provider



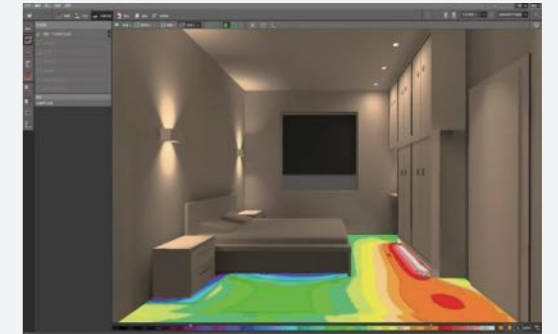
Professional lighting design consultant

Professional lighting design consultants are deployed at the headquarters and major cities across the country. Through professional lighting design software and a powerful lamp database, they assist designers to achieve excellent lighting effects, so that they can do a good job when connecting with design agencies for specific lighting solutions. Project landing work.



Professional lighting simulation software

With Dialux it is possible to control the intensity, quantity, angle and glow angle of the light very precisely. Easily meets international standard lighting requirements.



Professional after-sales service

MIC does its best to create high-quality light and shadow space for you, from product to service, from service to after-sales, all let you enjoy the experience of a million honourable.





Integrated die-casting workshop

3+

3 production workshops

1000+

Nearly a thousand product developments

6+

Integrated Die Casting Machine

6000+

Annual sales of ¥60 million

100+

Professional team members

35000+

Footprint of the entire plant

We have professional lighting integration services, we will start from your needs, design a complete set of programmes, we have professional SMD machines, die-casting machines, design team, production staff, light pole factories, spraying workshop, welding workshop, aging workshop, assembly workshop, to ensure that our programmes can be operated.





Light pole production workshop

The production of light poles can be customised according to your requirements, or our professional team to help you customise, from the beginning of customisation, choose the material of the pole, height, arm style, anti-corrosion requirements, the size of the hole, and other needs, can be customised according to the needs of the high temperature baking varnish can be packaged and shipped.





Product assembly workshop

3+

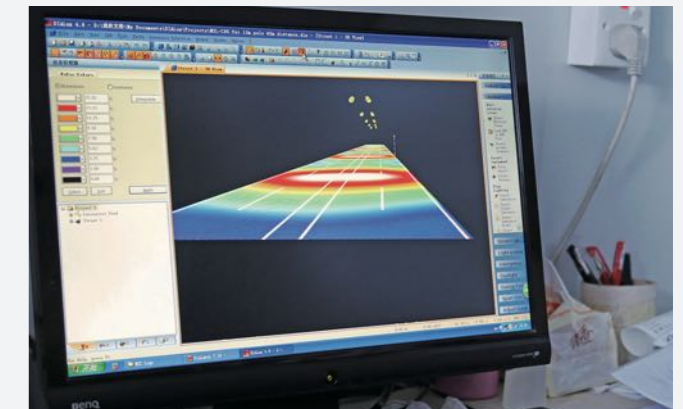
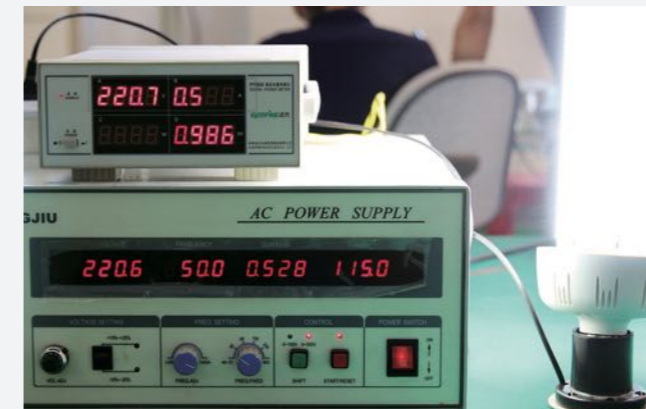
3 production workshops

6+

Integrated Die Casting Machine

100+

Professional team members



We have professional lighting integration services, we will start from your needs, design a complete set of programmes, we have professional SMD machines, die-casting machines, design team, production staff, light pole factories, spraying workshop, welding workshop, aging workshop, assembly workshop, to ensure that our programmes can be operated.



Aging test

After each product is tested by our technicians, after 48 hours of aging, it will be packaged and shipped after it is fully qualified.



Technology Development

10+

16 years of R&D

Continuous investment in research and development for many years to improve product competitiveness.

128+

Certificates

MIC focuses on the quality of its products, each of which is recognised by certification bodies and licensed for sale on the global market.

200+

R&D and after-sales team





Smart lighting

Smart

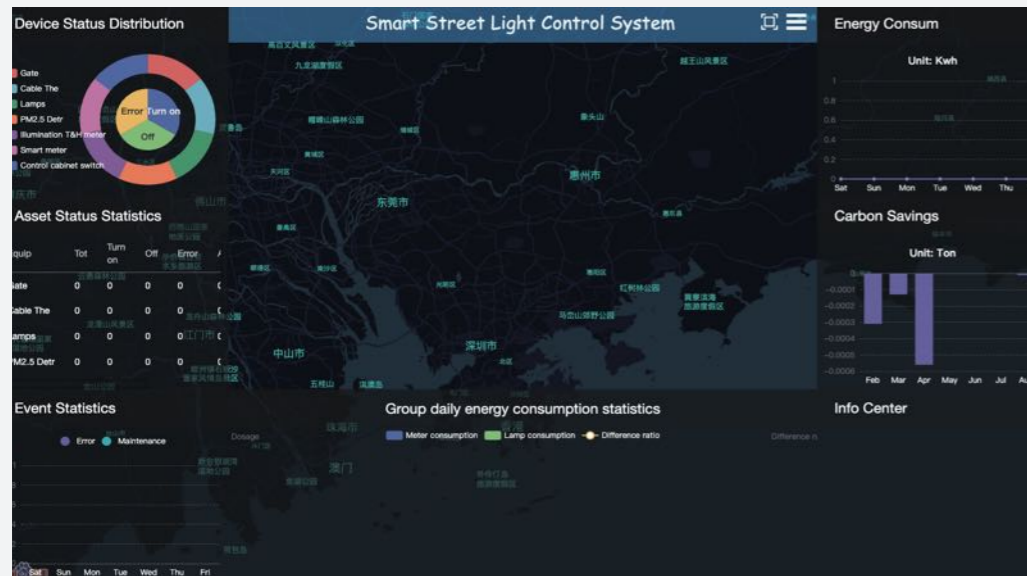
"Light + Intelligence" gives new life to lighting, generating optimal lighting solutions in real time through AI autonomous decision-making, combined with sensor neural networks throughout the space.

Energy-saving

In response to the national carbon neutral, carbon peak "double carbon" goal, the intelligent upgrade of the commercial lighting field has gradually become one of the important choices of commercial users tend to save a large amount of electricity expenses.

Safety

Intelligent lighting system can effectively inhibit the fluctuation of the grid voltage, through the system of voltage limitation and yoke current filtering and other functions, to avoid over-voltage and under-voltage damage to the lamps and lanterns.



| ID | Online | Status | Level | Voltage | Current | Power | PF | Energy | Lighting Time |
|---------|--------|--------|-------|---------|---------|-------|----|-----------|---------------|
| 30 (1E) | Online | On | 0% | 239.6V | 0mA | 0W | 0 | 490.72kWh | 9091.23h |
| 31 (2E) | Online | On | 0% | 239.7V | 0mA | 0W | 0 | 485.88kWh | 8921.73h |
| 32 (3E) | Online | On | 0% | 239.2V | 0mA | 0W | 0 | 482.20kWh | 8920.73h |
| 33 (4D) | Online | On | 0% | 239.4V | 0mA | 0W | 0 | 484.96kWh | 8433.13h |
| 34 (5D) | Online | On | 0% | 241V | 0mA | 0W | 0 | 482.71kWh | 7272.38h |
| 35 (6D) | Online | On | 0% | 240.4V | 0mA | 0W | 0 | 491.32kWh | 8610.33h |
| 36 (7D) | Online | On | 0% | 239.3V | 0mA | 0W | 0 | 487.88kWh | 8490.92h |
| 37 (8D) | Online | On | 0% | 239.4V | 0mA | 0W | 0 | 496.78kWh | 7656.00h |



Smart Street Light Control System

LoRa is a kind of low-power wide-area network communication technology. It is a proprietary ultra-long-distance wireless transmission technology based on spread spectrum technology by Semtech.

LoRaWAN is a set of communication protocol and system arc

United Kingdom

The lighting at Vale Park, when the club approached us, was far from ideal. It was a mix of low-quality LED lights (not supplied by us of course!) and costly to run and maintain old Metal Halide ones. This mismatch meant that only some areas of the pitch were lit adequately, whilst others were very dark in comparison, and the overall pitch uniformity was not adequate. Addressing this problem was going to be quite a challenge – but our in-house Lighting Designers and Engineers were more than capable of taking it on.

After a 1:1 simulation of the stadium and the use of our MFL-G-B luminaire, the stadium's problems were completely solved and it now fully complies with FIFA's lighting requirements.





Philippine

One Robinson mall in Philippines
 Mall atrium lighting upgrade, before using our lamps and lanterns, the mall is very dark, customers shopping also can not see the goods, not conducive to the mall sales, after using MIC Flood light, the whole mall atrium bright up, customers shopping also more assured.

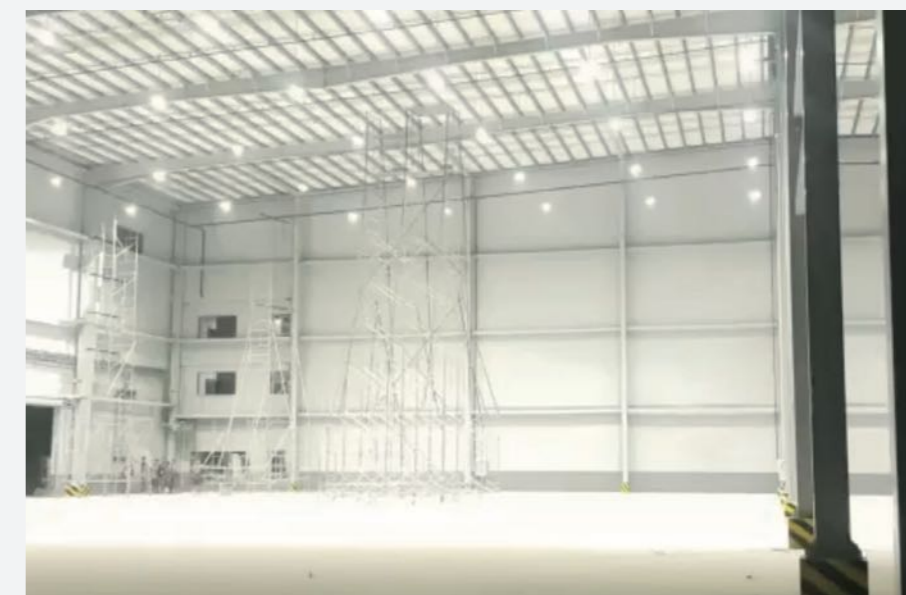




Philippines

When customer Mr. Harold came to us for lighting for his new warehouse in Cebu city, he knew he needed something that would be durable and reliable, and most importantly, energy efficient. So it's no surprise that we went with MIC UFO high-bay light. We MIC LED lighting focus on resident and commercial LED lighting for many years.

The new warehouse size is length 200m and width 67m, ceiling height is 15m. Our engineer worked out a solution 420pcs 100w UFO highbay light MHB-U100-M (60 degree beam angle, CCT 6500K, over 140lm/w) for this project and hanging height is 12m. This solution provide average 212lx on the ground and light uniformity over 0.48, which is very good lighting result.





China

This project was for a contractor to upgrade the old lights of a motorway service area by replacing the original halogen lamps with LED lamps, this project was very compatible with the MFL-G type of lamps, including petrol station lamps, after the completion of the project, the whole service area was much brighter.





Germany

Working with Intrakt, Fraport's main contractor, we designed and delivered a completely new, compliant lighting system for each airport. Using our Flood light, which was the perfect match between power and weight, meant:

Increased high colour rendering led to improved safety;

Shadow areas between planes were reduced through the new tower positioning. This guaranteed a better working environment for ground staff;

Energy use could be cut – by 55% on average;

And lower maintenance costs thanks to the stainless steel construction. – especially important where an airport is near the sea which can cause issues with salinity.



Italy

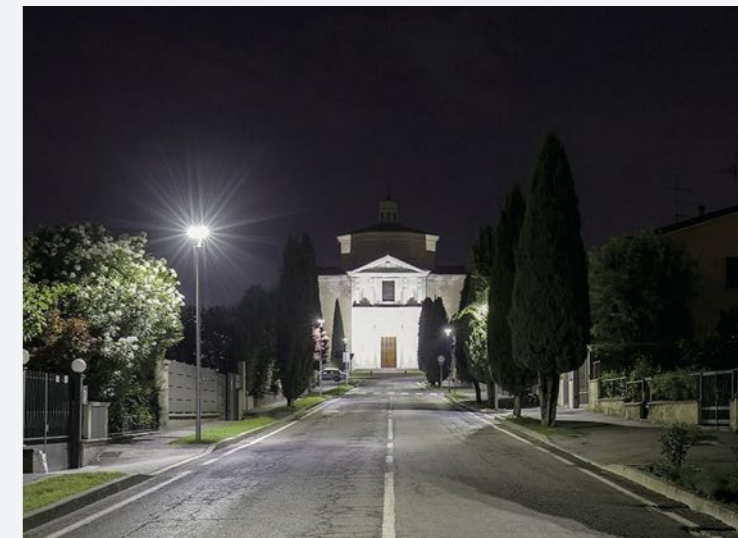
The project had very tough financial targets. This meant a retrofit solution, using the existing 35m raise and lower winch operated masts, was the best approach. Thanks to being both compact and lightweight, our highmast floodlights was perfect for the job. And no modifications to the crown in a 'plug and play' fashion were needed.

To help save even more money, a remote switch system was installed so half of the floodlights could be easily turned off when less lighting was needed. This also meant no new controls for the overall project had to be developed.



Italy

Connected public lighting offers services to the benefit of citizens, businesses and administrations and makes cities more liveable, pleasant, efficient, comfortable and safe. Cariboni Group has been one of the protagonists of the lighting and energy redevelopment of Lonato del Garda, which has transformed the city of Brescia area into a smart city able to improve the safety and well-being of its citizens and of all urban users. Lonato del Garda has been able to enhance its social, environmental and artistic heritage and to considerably reduce energy consumption, with all that that results in reducing public spending. 68% of energy savings are expected with the equivalent reduction of CO2 emissions into the atmosphere.



Spain

Specifically, the project aspired to improve living conditions in public spaces of carreteras Bilbao and Bac de Roda, and Passeig Maritim Bogatell seafront, for pedestrians, cycles, authorized vehicles and, after the recent construction of skate park, for skateboarders.

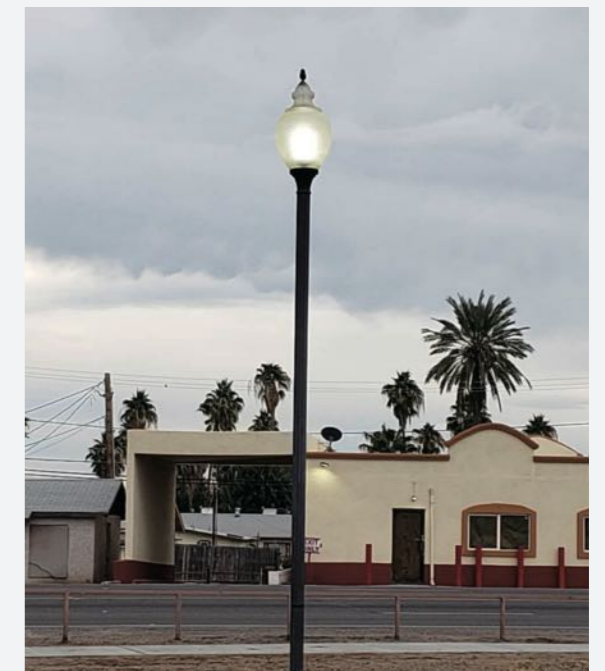
This system consists of pole of height 6.5 m with a rocker arm installed on top which, on the one hand, carries PHOS PLUS for lighting cycle pedestrian paths and free time areas, while on the other hand a luminous light creates a fascinating illuminated track by drawing the whole path.





Phoenix Arizona

In summer, Phoenix Arizona is one of most hot city in The United State. So the local People need a place to cool down at night. Park is most favorite of place to choose. But there are still use for traditional lamp for lighting before MIC coming. As far as we are aware, traditional light not only waste energy, but brightness low. They are need more brightness lamp for the park. MIC led corn light is coming soon.



France

Located in France Perigueux railway station, according to the description of the guests: dim lighting, affecting workers loading and unloading of goods, but also on the tourists in and out of the security risks, we understand the site of the lighting layout, the train station lighting for the whole law programme design, and now the customer is very satisfied with the lighting effect.



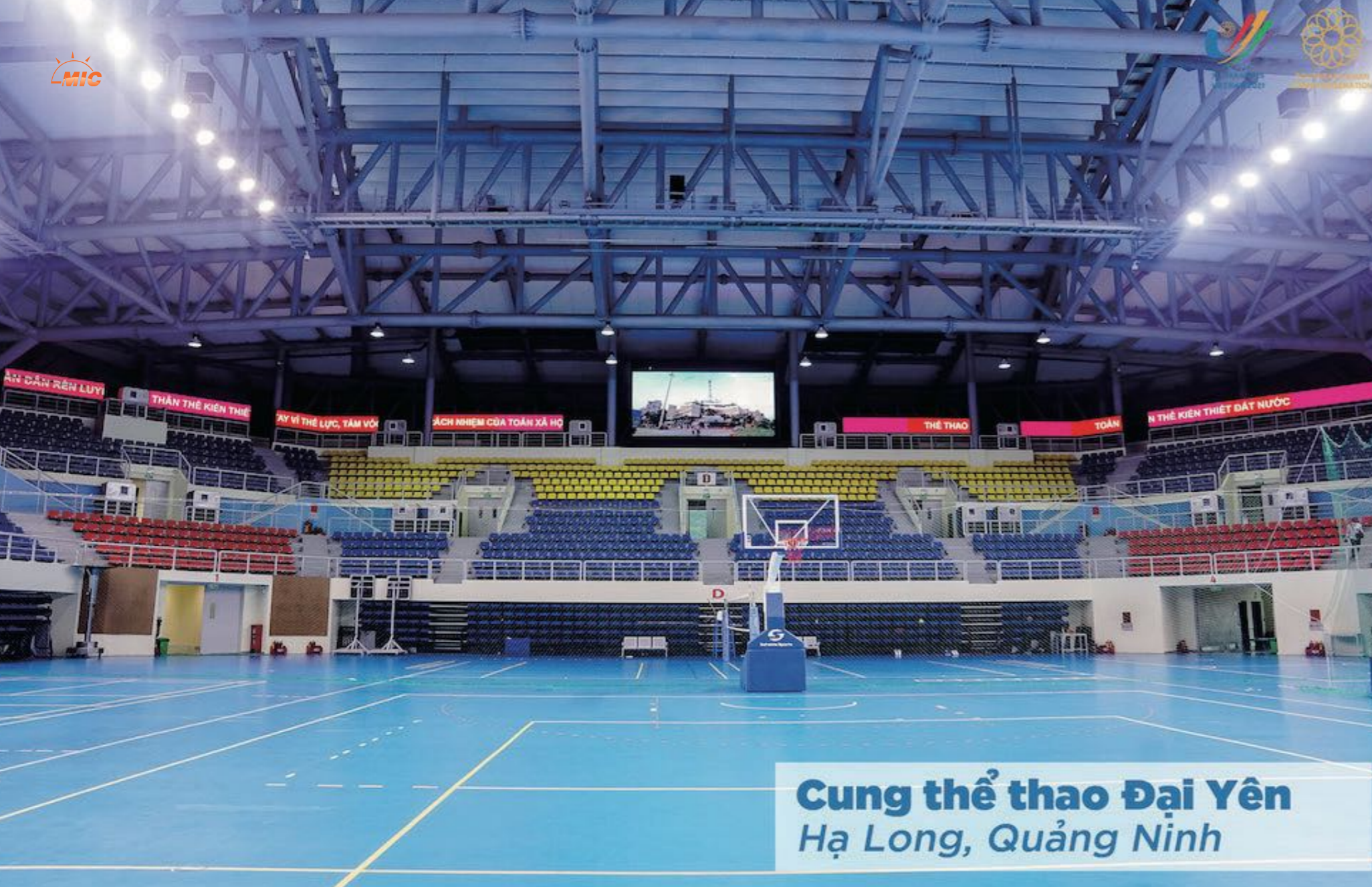


United Kingdom

Glasgow Airport - Aviation Lighting Case Study.

The solution our Lighting Design Team came up with involved cutting the 236 sodium projectors to just 164 LED 400W Luminaires. This reduced the total absorbed power to 67kW from 173kW. As well as doubling the light levels, with this solution the energy savings were over 60%. And we had everything completed well before the first Commonwealth athletes touched down.





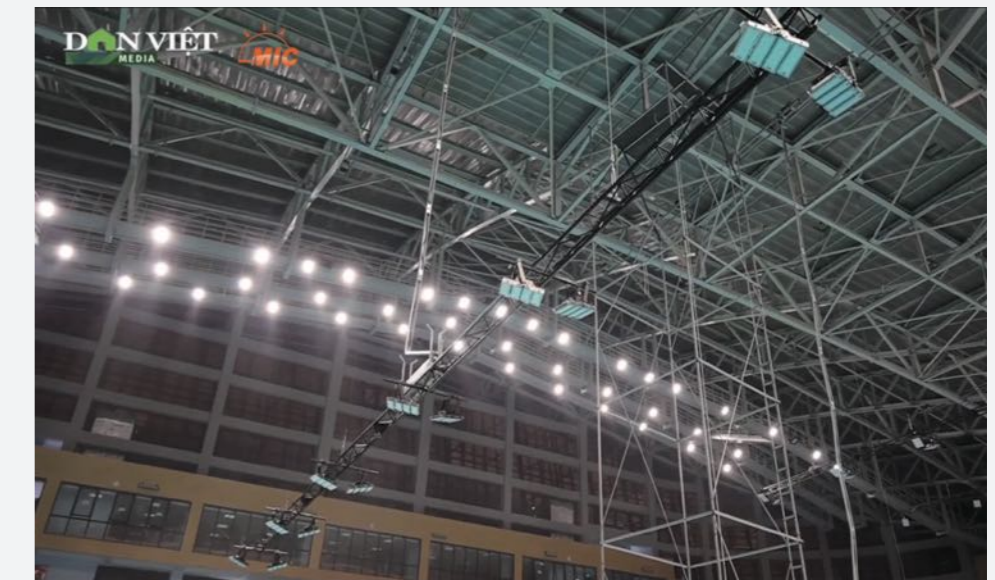
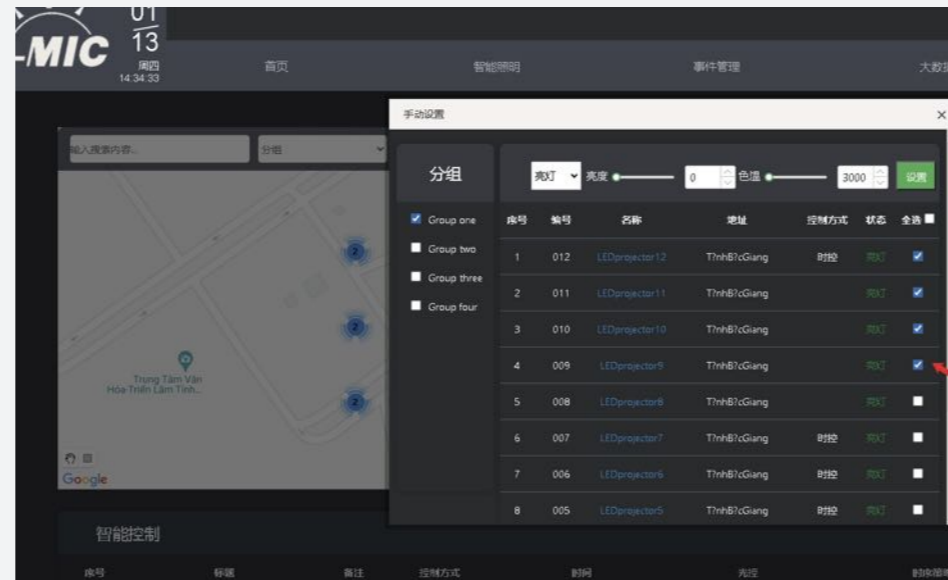
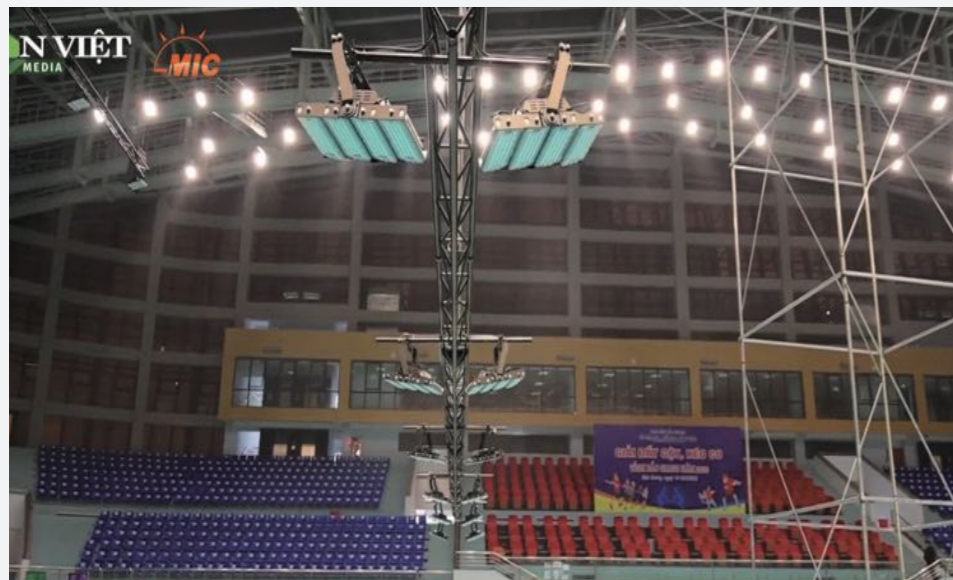
Vietnam

In May 2022 MIC lighting just finished installation for National Badminton Hall's 480w LoRa led flood light's installation. First hall is with 48pcs totally have 10 halls were under installation.

The bright spots or this project is that all lights were intelligent controlled by Lora system, with this Lora intelligent control system, user can get the following functions.

- Wireless control
- Dimming to set up the luminous
- Time phase function
- Mistake feedback and report
- Group control & single control
- Power consumption calculation.

If needed with customize function, it can make too.





Padova Italy

Our led corn light 60w were installed in Padova Italy, totally 860pcs which use to change the street light metal halide bulb, it was used more than 4 years but it was still perfect working. For our MIC led corn lamp was widely use to replace the metal halide light, HPS, CFL, CBL etc.





France

ALFORTVILLE – DOUBLE UPGRADE FOR VENUES OF TWO SPORTS

LED conversion for two sports pitches in a suburb of southern Paris required multiple parties to match precise specifications, to take advantage of energy and maintenance savings for each venue – completed in just a couple of weeks.





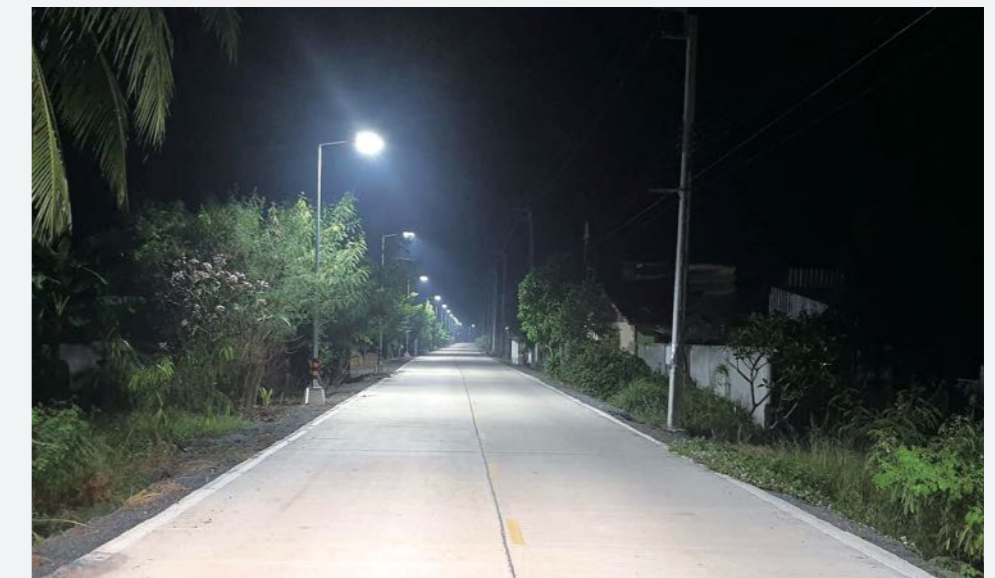
Thailand

This factory area in Thailand it is kind of countryside road. Combine industrial with agriculture develop. There is no brightly lit city here, only the quiet fragrance of the countryside. When the night coming, our people need lighting.

With request of our client: Road wide 6 meter, lamp pole mast height 6 meter, distance of mast 30 meter.

We MIC Optoelectronic Co.,Ltd provided them with professional Dialux simulation: Used 194pcs D series led street light 300w, 6500K,with photocell sensor day off and night on automatically. Also has 10KV Surge Protection Device (SPD).

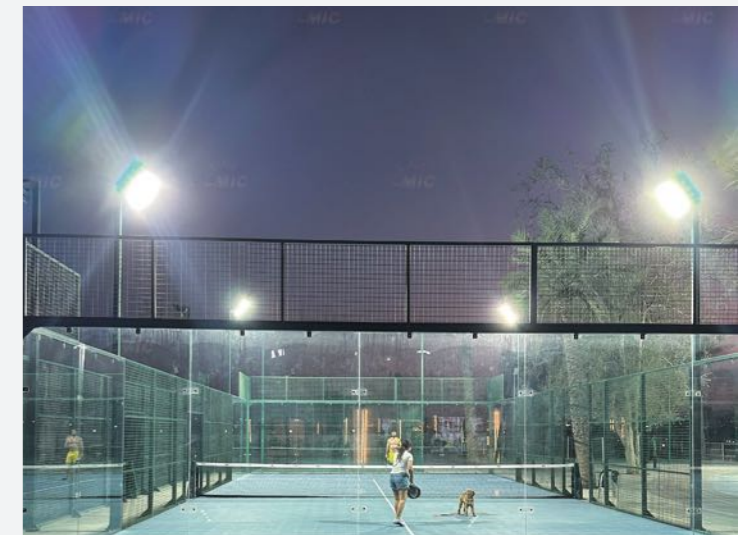
Finally with average 80lux it can get, As perfect luminous layout, Our customer finally win this tender finally with his professional completed this project, bring the lighting to people. Under MIC team work, we provide a solution to customer.





United Arab Emirates

For Anavrin Equestrian Retreat club inside with racetrack, golf and tennis court, in the tennis court they used MIC's MFL-G480 high mast led flood light, that is with super bright Lumileds 5050 led chip designed 160lm/w Plus meanwell driver





United Arab Emirates

MIC's bifacial solar led street light installed in Anavrin Equestrian Retreat-Al Hadeethah Rd - Muwailha - Ras al Khaimah UAE, this project totally have 510pcs 30w's solar street light with double side solar panel design, this is our MIC's patent design led street light.





Oman

Oman school field project. Customers have seen us make many stadium projects on Instagram and have good lighting experience. And contact us on Instagram. Let's provide him with a solution. The size of the court is 68x35. There are six light poles with a height of 10 meters.

The court is used for amateur activities. 150lux is generally enough for amateur activities, but customers want to reach 200lux. So we made a 200lux plan for the client. Dialux simulation results can be viewed in the attachment.

The simulation results show that 14 480w floodlights are needed to reach more than 200lux. The customer chose our G-A floodlight. The lamp beads use Philips 5050.>160lm/w, high lumens, the shell is made of die-cast aluminum, which has better heat dissipation. Modular design, adjustable modules. The bracket is adjustable for easy installation.



Saudi Arabia

Al-rawdah Sports Club 1440w Installation Project Case In Saudi Arabia

Installation time: April 2020, Item: MFL-G1440

Product name: G series Led flood light 1440w, totally 288pcs used for FIFA football stadium, which is use for television direct transmission

Material: Meanwell driver + Philips led 5050 led 160lm/w



Croatian

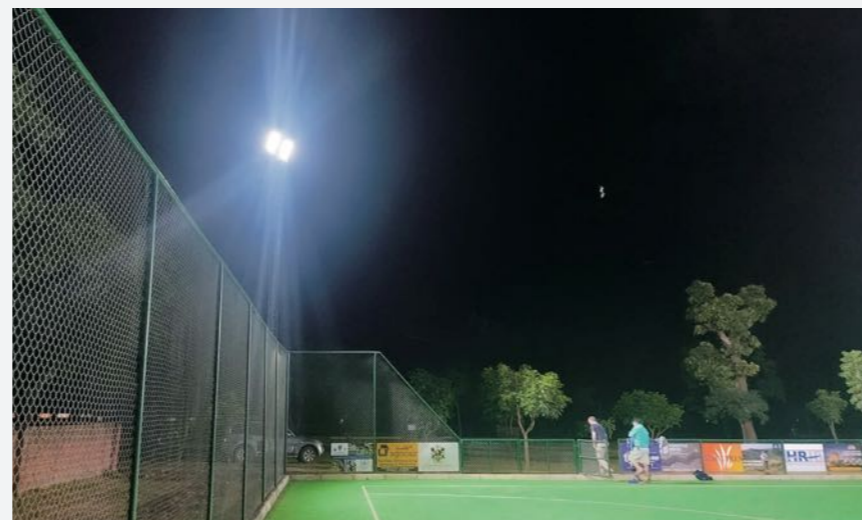
Croatian Tennis court high mast led flood light project case, This tennis court is for amateur. Ivica Maras required average brightness 250lux. Below is the tennis court details We have just completed the lighting design and installation of Croatian tennis courts, MIC LED floodlights, five-year warranty +160/w, IP66. According to customer requirements, MIC engineers designed 4 pcs MFL-G480 MIC G series 480W 60-degree beam LED floodlight solution. There are 1PCS light on each pole.





Zimbabwe

This is High mast flood light project for a Zimbabwe city's training stadium, it was managed by local municipality, project used MFL-G480-A model.



Saudi Arabia

February 2022, we just finished installation our high lumen flux Led flood light 480w to Jeddah airport's advertising billboard (Jeddah King Abdul Aziz International Airport), this billboard's front size is 30x10m and two side face is 6x10m. For front side we used 6pcs MFL-G480-A with 90 degree beam angle to get average 432lux, on the side we use used 3pcs 480w led flood light which got 327lux average(1pcs 120degree +2pcs 20degree beam angle combined together).





Saudi Arabia

2300pcs 100w MIC Saudi Arabia Led garden light Post top installation type in Dammam corniche

This project was installed in a corniche of Dammam, totally 2300pcs with Meanwell driver Philips lumileds 3030 led chip, finished lamp with 130lm/w. This is one of the biggest led garden light project of municipality Saudi Arabia in Dammam.



Singapore

It's new installation project for a park in Singapore. The customer choose A-1 series led garden light 30w (MYL-A50-1)for this project. Intallation height is 3M and the pole diameter 40mm. This post top light can install on pole diameter 40mm-70mm, which can work with almost all poles on the market. It's super bright over 130lm/w, use large size die-casting aluminum heat sink. And has 10KV surge protection. No complain 5 years warranty, and the estimated lifetime is over 10 years!

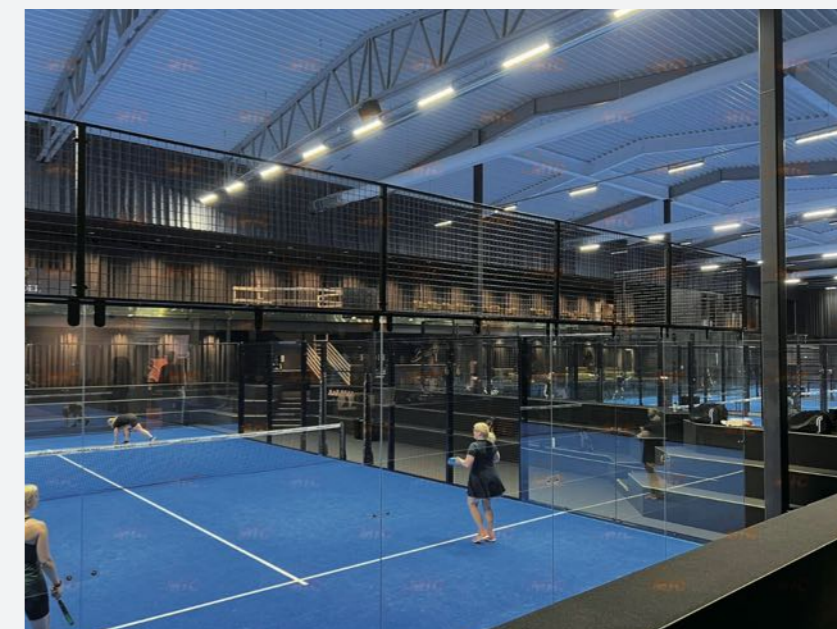
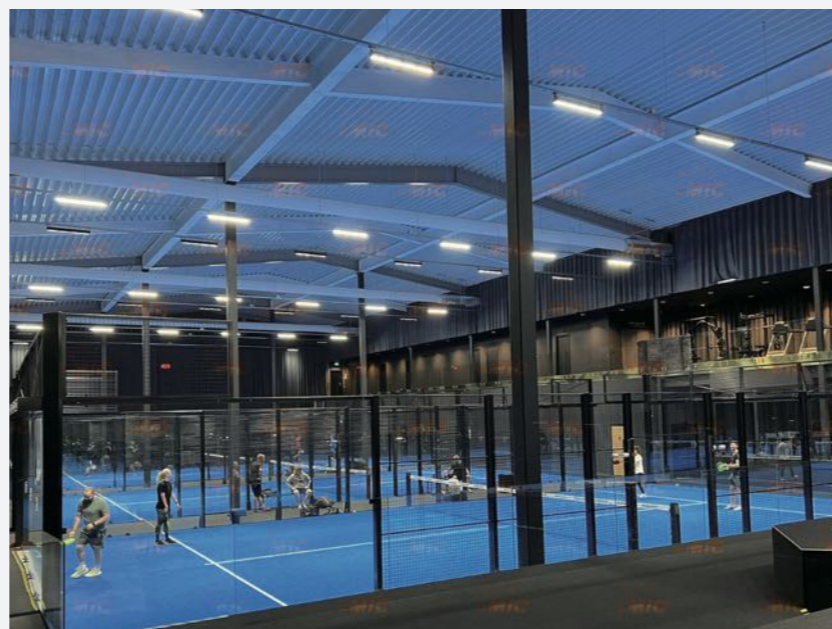




Länna Sweden

50W,200W Linear highbay light with Dali dimming For indoor padel tennis courts

380pcs 150W, 200W Linear highbay light use Inventronics DALI driver , and use 5pin Wago connector, for driver we used Inventronics EUM dali 2.0 model.

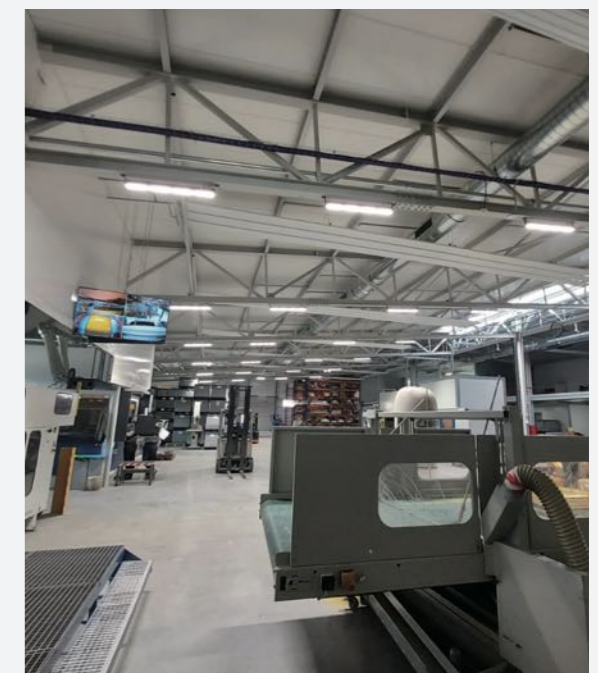
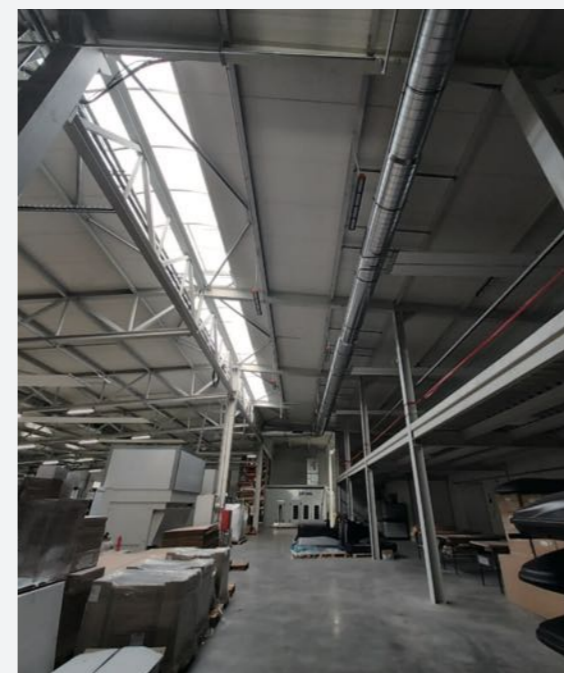




Slovakia

MIC LED 200W Linear highbay light project case in Slovakia
Construction of the industrial this big warehouse started at the beginning of July 2021 and completed at the end of September, located in Lipany, SR, Slovakia.

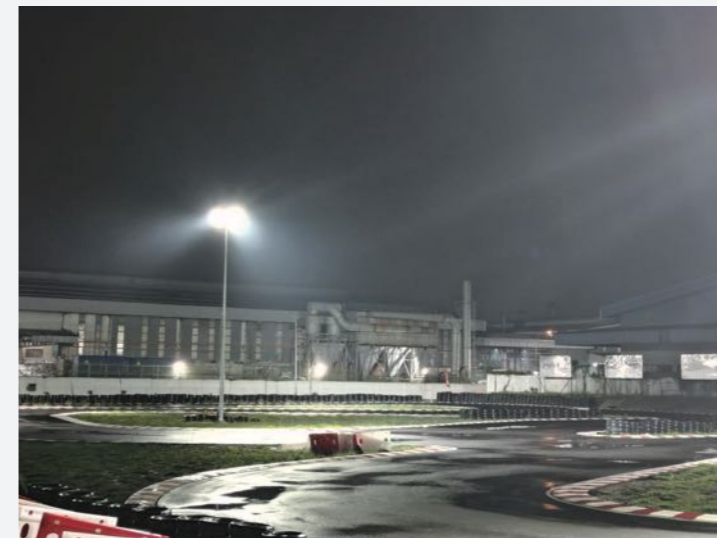
The lighting fixtures used are 145pcs 200W LED linear highbay with 0-10V dimming ,90° beam angle , 5000K ,132pcs 200W LED linear highbay light with 0-10V dimming ,60° beam angle ,5000K and 86pcs 200W LED linear highbay light with 0-10V dimming ,80*155° beam angle ,5000K .



Malaysia

The customer send us an inquiry on Alibaba. We quickly contacted the customer and he send us pictures of the racing track he was building. We asked the customer to provide the size of the racing track, the number of light poles and coordinates. After initial communication, we learned that the customer already had clear wattage and quantity requirements in mind. we recommended the hot sales and widely used products MFL-G1200 and MFL-D1500-2 and we sent to work out beam angles for the two products by simulations, and the customer impressed by our engineers' professional simulations and teamworking, the customer made payment to purchase samples within one day.

After 4 months of construction of the racetrack, the opening ceremony of the racetrack was finally hold . Dato from Malaysia attended the opening ceremony of the racetrack and was impressed by the professionalism of the racers and the comfort and professionalism of the track.



Australia

MIC LoRa led flood light for Football Stadium Australia (Sydney United Sports Centre)

At beginning this client choose 5 companies included us MIC, to demo the system of Lora, finally MIC win it, as our system signal transmission is most stable, each node can get the instruction without any mistake or delay. Our each node controller is with GPS function, so it is easy for the gateway and main controller to find each lamp's location. The most important, our Lora system have very simple Platform, client can be easy to programme it.





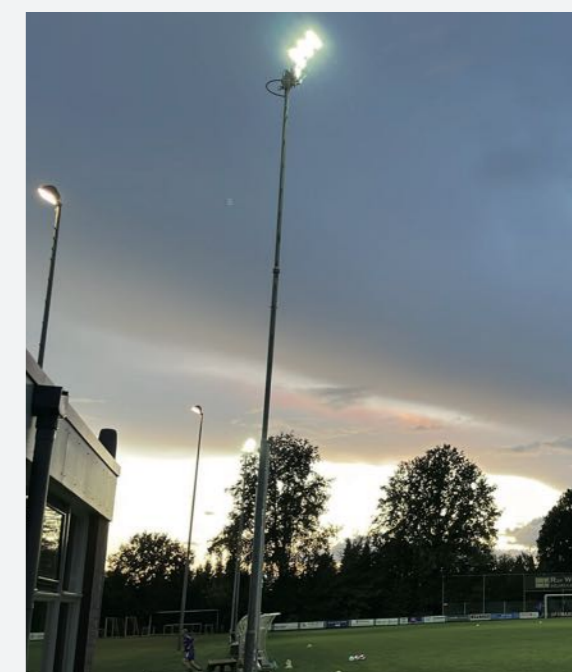
Netherland

The customer posted an RFQ on Alibaba seeking to replace their outdated lighting. We promptly reached out and learned that they had two venues in need of new lighting solutions:

Venue 1: 4 light poles, covering an area of 100m x 66m.

Venue 2: 6 light poles, covering an area of 100m x 70m.

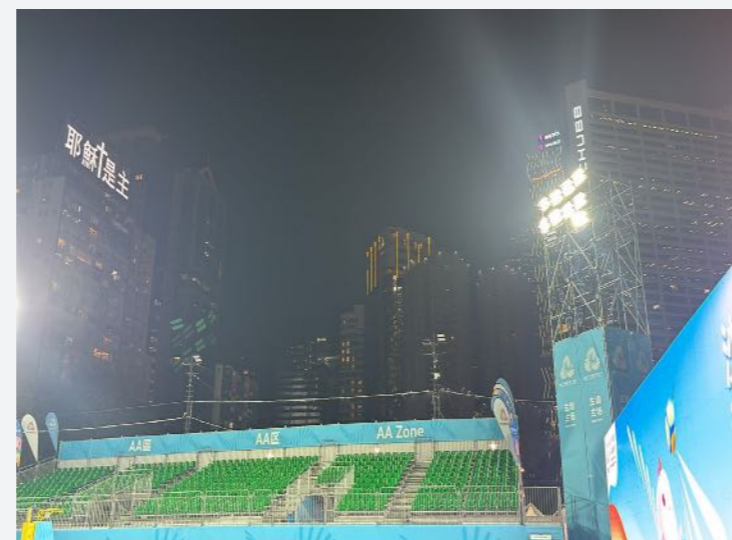
Finally, our engineers conducted DIALUX analysis to ensure the lighting uniformity of the stadium. The effect after the final installation also makes the customer feel very perfect.



HongKong

In China's 15th National Games, one of the competition venues, Victoria Park, Hong Kong, for the national television broadcast of beach volleyball matches, the use of MIC brand floodlights, the game broadcast perfectly, the picture is bright and clear, but also by the customer's favorite!

In this competition venue, we use 108 floodlights, model MFL-D1000-2, each lamp is 1000W, and has a cap and tongue design, to ensure that there is no glare generated.



Dubai

In Jan. 2025, MIC lighting just finished installation 1000w LED flood light for cricket field of Al Bataeh Cultural & Sports Club. First Field is with 48pcs MFL-E1000 flood light 1000W. Totally have 10 fields same, so totally it will use 480pcs this E series high mast flood light.

Professional lighting simulation: MIC professional engineer can work out perfect simulation according to client's requirements and uniformity >0.8 for inside field, ensuring visual comfort for athletes and spectators.

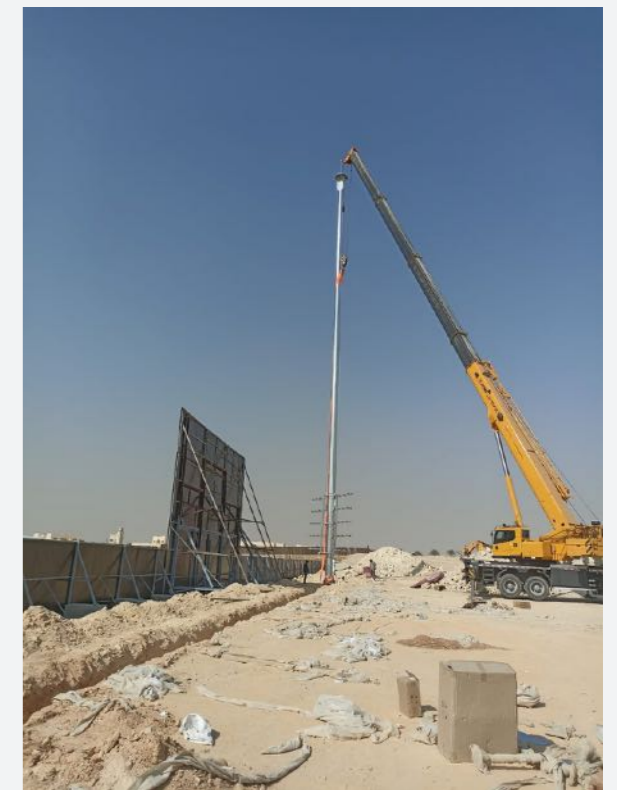
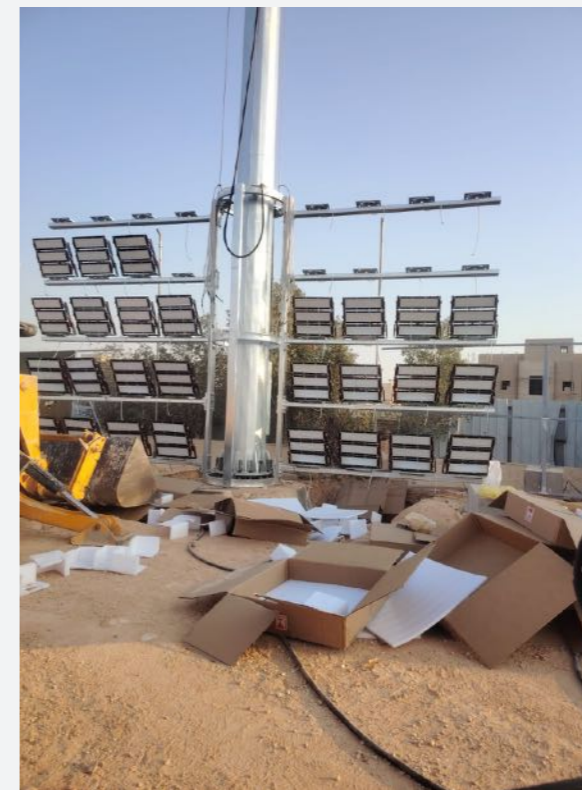




Saudi Arabia

2000W LED High Mast Lighting Project in Saudi Arabia | Airport LED Floodlight Manufacturer

As a professional LED high mast lighting manufacturer based in Shenzhen, China, we MIC Optoelectronic Co.,Ltd successfully completed a large-scale LED floodlight high mast lighting project for the Special Forces Military Base (Salbokh) in Saudi Arabia. This project is another benchmark installation in the Middle East, highlighting our strong capability in delivering high-power airport LED high mast lights and outdoor LED floodlight solutions for demanding applications such as military bases and critical infrastructure.



Sri Lanka

In order to create a state-of-the-art urban smart street light control solution for the brand new Colombo Port, LoRaWAN wireless control was proposed as the carrier to achieve centralised, energy-efficient and intelligent control on the 4KM² port after many studies. Compared with the traditional street light, this intelligent street light system can save 35% of energy consumption every year. The intelligent control can be set as a group by street or road section, which can realise the control of light brightness for different road sections; it can also be set as a group by power, which can control street lights of different power separately. It is important to note that each light can only set a group. It can also display the current city's PM2.5/brightness/temperature/humidity for monitoring.



Saudi Arabia

MIC is proud to announce the successful completion of a remarkable LED floodlight project for the Saudi National Bank (SNB) aimed at enhancing the outdoor wall decoration of their prestigious institution.

The project, which commenced on Jeddah, involved the design and installation of state-of-the-art LED floodlights that have not only illuminated the SNB National Bank building but also transformed it into a beacon of elegance and innovation. With 120pcs high-quality LED floodlights strategically placed across the façade, the bank's exterior now radiates a captivating and energy-efficient glow.

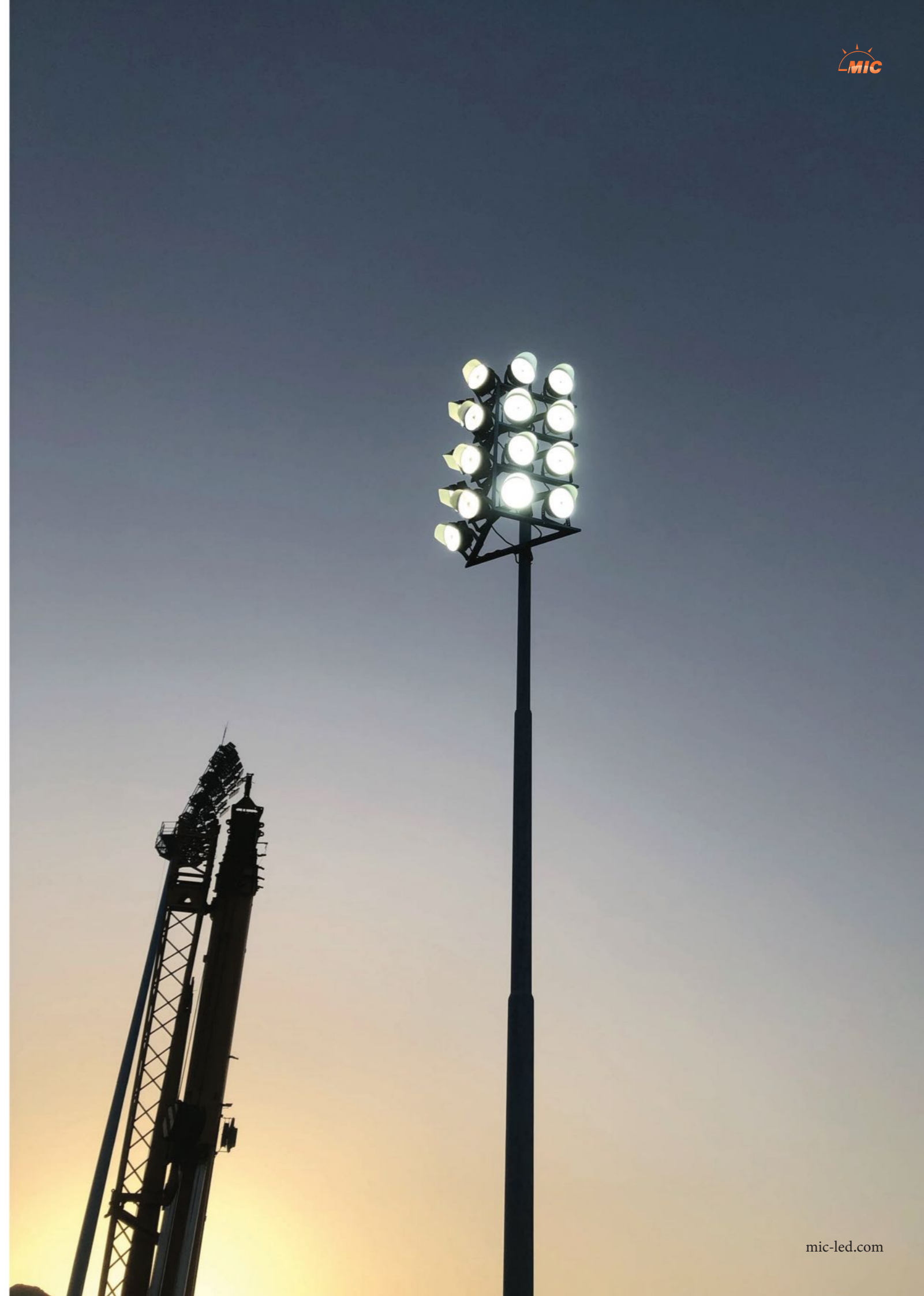


United Arab Emirates

Illuminating Excellence: MIC LED R-3 Series Lights Up Dual Training Pitches in Dubai!

We are thrilled to announce the successful deployment of our high-performance R-3 Series LED Floodlights for a premier football training facility in Dubai, UAE.

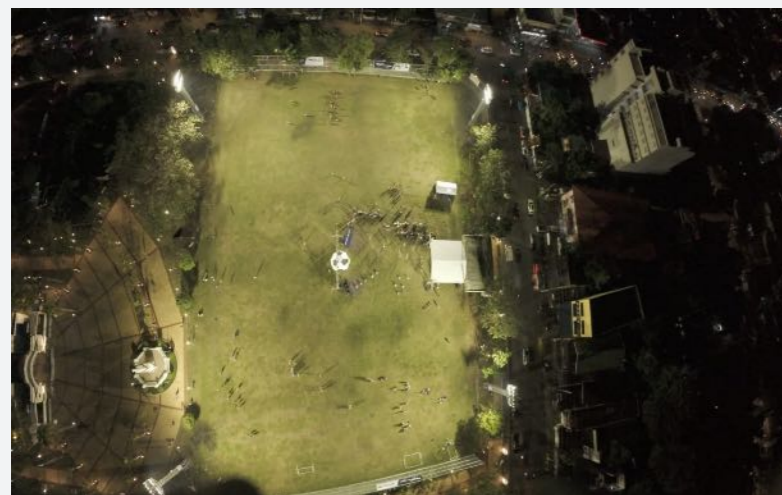
To meet the rigorous standards of professional training, we provided a tailored lighting solution consisting of 48 units of 1000W R-3 Series lights MFL-R1000-3 with anti-eave design. Featuring a precision 25° beam angle, these fixtures ensure optimal light distribution and minimal glare across distinct pitches.



Philippines

We are honored to present the successful installation of our MFL-R1000-3 1000W LED floodlights in a football field project located at La Paz Plaza in the Philippines.

La Paz Plaza is an important public space within the local community, serving as a central hub for sports activities, social interaction, and daily recreation. With the growing popularity of football in the Philippines, especially among younger generations, the upgrade of this football field lighting system carries significant value for local sports development and community engagement.



Kubyerta Shots

United States

The client, a local sports facility in Bushnell, Florida, USA, needed to upgrade their outdated stadium lighting. They required durable, high-brightness, and weather-resistant luminaires that could clearly cover the entire football field and support various night-time events.

The client is highly satisfied with the installation results:
"The floodlights have greatly improved the lighting conditions of our stadium. The brightness is sufficient, the illumination is uniform, and the overall effect is excellent. The lights are easy to install and have been operating stably so far. We are very satisfied with MIC's products and service."





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