AVIATION LIGHTING

Estrella



JMR Sporting
Yearlong Sporting Destination
(An Entity of JMR Infotech)

LED LIGHTING SOLUTION

Designed to tackle your precise aviation needs and enhanced aviation safety.

About Us

At JMR, we offer innovative airfield lighting solutions that take advantage of latest technologies, resonating professionalism and commitment at every move. Lighting and lighting choices can potentially account for a substantial portion of an organizations cost considerations- be it the initial purchase cost, installation cost, energy consumption, planned or unplanned maintenance and often even safety issues. **JMR Infra Solutions** are meticulously built over these key considerations.

Airports are also increasingly emphasizing on becoming greener. We are already equipped to serve these noble requirements by including carbon neutral programs as much as possible.

We are customer agnostic, keeping their best interests in mind, by being flexible with our approach, creative with our thinking, competitive with our pricing and always working to make interacting with you an exceptional experience.

Our capabilities include design, supply, installation, testing, commissioning, training and servicing. Our unique approach is designed to offer best-in-class end-to-end services that are long lasting, guarantees full support from the design process to implementation and maintenance. Our expert design team has been providing lighting solutions with a wholly luminous appearance that provides sparkling beauty by day, and visual comfort by night.

The range of airfield solutions that we offer include a complete airport lighting solution, runway lighting, apron lighting and control systems, that specifically engineered for applications that solve the challenging and complex airfield requirements while adhering to ICAO, and other regional standards and regulations. Our innovations are always driven by customer needs, which are predominantly focused on safety, energy efficiency and environment friendliness -bringing new possibilities and boundless customer satisfaction- that ensure you receive a solution which meets your precise requirements.

Why JMR



- Unrivalled expertise.
- A solution and design-driven approach.
- Customer first attitude.
- Embracing challenges.
- A team you can trust.
- Exceptional customer support.

Solution Modeling



- Reduced energy consumption.
- Lowering CapEx costs.
- Cutting maintenance costs.
- Achieving compliance to national and international standards.
- Minimising environmental impact.
- Providing smart control functionality.
- Forward looking.
- Assured timelines.

Above all, we're an innovation and knowledge hub that works with design engineers and architects on lighting solution design, where quality and reliability are always at the heart of what we do, ensuring your operations run safely and smoothly.
We can fulfill virtually any need for your current or upcoming airport lighting projects.

JMR Estrella Aviation Lighting

At a glance:

- We supply the most modern LED lighting systems for airport aprons.
- Our lighting designs are always fully compliant to stringent standards and regulations.
- Our luminaires are heavy-duty, energy efficient, and highly durable.



We strongly believe, a lighting designer has four major objectives:

1. Provide the visibility required based on the task to be performed and the economic objectives.
2. Furnish high-quality lighting by providing a uniform illuminance level and by minimizing the negative effects of direct and reflected glare.
3. Choose luminaires aesthetically complementary to the installation with mechanical, electrical and maintenance characteristics designed to minimize operational expense.
4. Minimize energy usage while achieving the visibility, quality and aesthetic objectives.

Our Solutions are Low Glare

This means you can trust us to:

- Reduce your energy consumption.
- Cut maintenance costs.
- Meet local or international requirements.
- Reduce pilot glare.
- Optimize design layouts.
- Provide smart controls for dimming or zoning.

Unrivalled Expertise

We're more than just lighting suppliers; rather act as partners genuinely invested in your success. So, we deliver a quality solution that gives you more for less – making JMR the right choice for your next project.

Our experienced in-house Lighting Design and Engineering teams design and deliver fully compliant, custom-made airport LED lighting solutions that assures the ultimate in lighting quality, economy, light distribution, energy efficiency and glare control. We do it on-time, within budget.

We prioritize creating an exceptional customer service experience at every interaction we make. Our experts take the time to listen to your project requirements, make product and configuration recommendations, so as to deliver optimized solution that perfectly fits your expectations and schedules.

Getting you to a solution that works – FOR YOU

Unlike other 'specialist' lighting companies, we truly deliver full turnkey solutions. From day one to the final sign-off of your aviation project and beyond, we can and do take care of everything.

- Airport lighting with LED technology needs the right products and level of Expertise to deliver results that meet design specifications and regulations. We have that expertise.

Unrivalled Expertise

- Our high-power LED aviation lighting products allow us to deliver projects to the most exacting specifications. Whether working to industry regulations, or local governmental requirements, we know and meet what's needed.

- Our experienced teams have a deep level of knowledge and combined expertise across all manner of high power, full turnkey airport lighting solutions.

Maintenance & Warranty – protecting your investment

We offer fully managed turnkey services to our client, providing them with additional value and a service experience throughout the lifecycle of the project – and beyond. The great thing about airport LED lighting is it requires far less maintenance. It's important though that you protect your investment to maximize the life span and return on investment. This is especially in true sectors like aviation where compliance and stringent regulations come into play. So, most of our Airport Lighting series Warranty lasts for 10 years!

Advising & Consulting – lets help you make the right choice

We've got many years of in-depth experience across the aviation sector, and a very experienced management and advisory team. So, we can support, advise and consult at any time. Whether for a completely new project or to look at existing solutions, we are there to help – anytime , anywhere.

JMR products and solutions – A winning Package

Product performance and reliability are non-negotiable when airfield safety is concerned. We have a range of 1st class products that can be tailored to your specific needs. Our clients are able to optimize projects and costs by allowing us to collaborate with them to supply design, product sourcing, implementation and maintenance services.

Estrella offers a wide range of Airfield lights, that fits-in any small-medium-large requirements and budget, that the client look for.

Estrella Aries Series

Designed to offer the maximum level of lighting performance possible, the Aries Series:



- Offers highly asymmetric floodlighting that provides an excellent solution for low glare applications.
- Features our proprietary optics that deliver maximum light levels on designated areas.
- Was designed for maximum heat management.
- Is manufactured to survive the harshest of environments, whilst delivering high performance and long life.
- Has been the go-to product for many of our aviation clients for years.

Estrella Apache Series

A modular design with high levels of overall performance, the Apache Series is:



- A cost-effective solution for high power applications.
- Available in symmetric and asymmetric distributions.
- Suitable for versatile applications and solutions.
- Highly reliable and easy to fit because it features integrated drivers.
- Perfect for high colour rendering and comes with full control capability as standard.

Estrella Aura-VP Series

A military aviation solution, the Aura-VP Series:



- Has been UL certified and DLC listed.
- Remote drivers provide a high light to weight ratio.
- Provides plug and play wireless or wired controls.
- Offers a great retrofit solution for 2kW metal halide floodlights.
- Is constructed from stainless steel, critical for use in challenging environments to improve structural integrity and life of the product

Estrella Aura-HP Series

The Aura-HP Series is:

- UL certified and DLC listed.
- A proprietary high asymmetry optics system that provides a low glare solution.
- Able to fit any existing mast infrastructure for easy installation and quick retrofit applications because it has versatile brackets and adapters.
- Modular designed to allow for versatile applications and solutions.
- Very easy to fit and highly reliable because of its integrated drivers



Estrella MT Series

Our unique solution for mobile lighting, the Mobile Tower Series is:

- Built to deliver instant compliance to ICAO for airport operators.
- A multi-directionally adjustable mobile floodlight tower with four highly efficient, asymmetric 326W LED floodlights.
- Designed specifically for large area lighting with low-glare conditions. It can be used for heavy-duty mission-critical applications, where quality and reliability are paramount.
- Compact and easy to transport and handle.



EL820 LED series





EL800 series





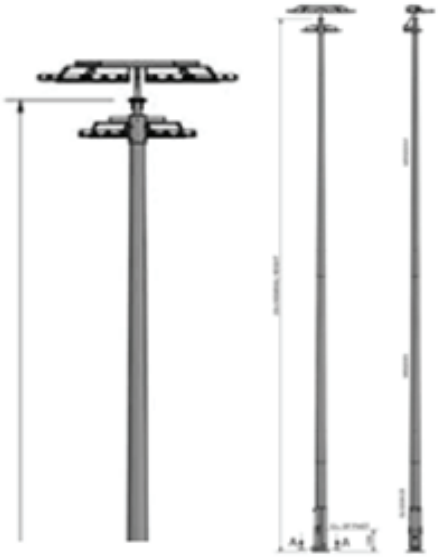
EP855 series



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Engineered for Strength

High Mast Series

Our extensive range of high masts and columns are expertly designed and manufactured to suit your needs, no matter what location or climate you're in. And the benefits of purchasing the mast and lights at the same time are huge from reducing risk, increasing speed and getting the perfect lighting solution guaranteed. With mast heights reaching 50 meters and beyond, we've got the right high mast products to meet your precise requirements.



Fixed Masts

Where large area lighting is needed, our fixed masts are perfect for housing the significant number of LED lights required. As they're fixed, they offer maximum stability. And if any maintenance is needed standard high-level equipment is available to make access to the lights trouble-free. They can be supplied with a ladder and safety cage too, so if you will need regular access, this is a winning choice.

Features and benefits of fixed masts:

- The process of fitting them has been tried, tested, and is trouble-free.
- As with base hinged masts, wind load pressures and the foundations needed can be kept to a minimum.
- Because they have no moving parts, the masts hardly need any maintenance at all.
- Maintaining the masts luminaires themselves is made simple thanks to easy to operate high access equipment.

ALTO FUERTE
Engineered for Strength

Base Hinged Masts

If you're looking to keep maintenance to an absolute minimum, our base hinged masts help you achieve exactly that – thanks to their sturdy design and durable engineering. They're available with hinges, either at the bottom or middle. And, as long as there's sufficient ground clearance, they allow easy ground access to the lighting whenever you need.

Features and benefits of base hinged masts:

- They're super-simple to install and set up and are virtually maintenance-free.
- Compared to some other mast solutions, fitting them takes far less time – up to three times less in some cases.
- Mast heights available up to 50m.
- If any maintenance is needed it can be done safely, quickly, and easily on the ground –reducing a lot of health and safety requirements.
- The platform free design gives them a sleek, modern look.
- Also, because no platform is needed wind load pressures and the foundations needed can be kept to a minimum.
- Their operating systems and protective equipment can be housed in the mast or its cabinet.
- They're incredibly stable and can also be quickly lowered to cope with high winds and stormy weather.

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Estrella
EMPOWERING YOUR SPORTING INFRA

ALTO FUERTE
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At JMR, we can fulfill virtually any need for your lighting projects, to power your airfield.

