



Engineering Unforgettable Game Moments

Precision Sports Lighting for Maximum
Performance and Immersive Experience

Sports System Upgrades, Simplified

OLM[®] Technology for Crafting
Spectacular Game Experiences

www.ikioledlighting.com



Image for reference purposes only.



Streamlining Your Sports System Upgrades with OLM[®] Solutions

Operational downtime, installation hassles, and quality issues remain persistent concerns for venue owners, who worry about exceeding their budget to achieve an efficient system upgrade.

Utilizing 30+ years of experience in lighting, IKIO brings Optimum Light Management (OLM) solutions to your fields. OLM-powered systems incorporate the best of LED technology, combining them with guided lighting and glare mitigation system to deliver comprehensive, efficient upgrades.

The Results?

Optimized Field Visibility for Improved Game Experience

Precision engineering, strategic fixture placement, and advanced optics ensure uniform light levels, enabling seamless ball tracking and crisp, clear visuals on the field.

Lower Energy Consumption Due to Enhanced Efficiency

Lighting systems lean on IKIO's high-performance luminaires to manage output precisely, reducing energy consumption by up to 70%.

Ease of Maintenance with Significantly Reduced Costs

Powered by external drivers, the systems facilitate streamlined maintenance with quick driver replacements and diagnostics, eliminating the need for frequent fixture access.

Maximized Savings from Efficient Fixture Integration

OLM upgrades offer cost-efficiency by utilizing existing poles and easy-to-install fixtures, eliminating the need for complete overhaul and significantly reducing installation costs.

Durable Performance and Long-Term System Reliability

Engineered with robust materials, advanced thermal management, and low EPA designs, these systems ensure lasting and reliable performance in harsh conditions.

Our OLM[®] Solutions Are Backed By:



Parts and Labor Warranty:
No Maintenance Costs for Up to 25 Years.

*Terms and Conditions Apply



End-to-End Services:
Photometrics, Preliminary Audits, Prototyping, and More.



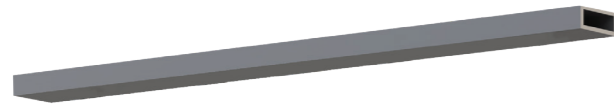
24x7 Support:
Dedicated Project Personnel and After-Project Support Team.

OLM[®] System Upgrade for Retrofit & New Projects

1

Cross Arm/Support Structure

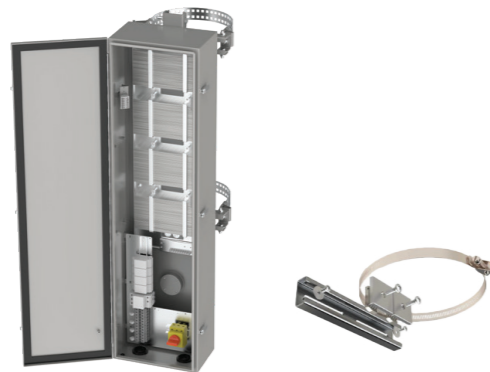
Existing support structure is replaced with tier-1 quality support arms (Top Mount or Flood Mount).



2

Remote Electrical Component Enclosure and Mounting Hardware

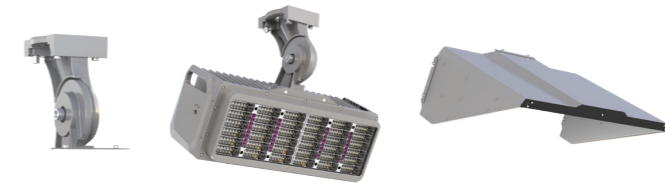
All the driver and electrical components are concentrated in the distribution box, making it convenient for maintenance, saving maintenance costs, and providing higher security.



3

Pole Top Mounting, LED Fixture, & Shield

OLM[®] Technology with multifaceted optics and glare control design for precise illumination.



4

Safety Wire with Electrical Isolation

Opto-electrical separation design to reduce material costs.



5

Custom Pole Structure

Pole configured for project-specific application and optimal luminaire positioning.

OLM® System Upgrade for Retrofit & New Projects

Retrofit Solutions

Designed to make the upgrade as seamless and cost-effective as possible. After conducting a thorough structural assessment, we replace the existing fixtures and add new wire harnesses and electrical component enclosure as needed. Retrofitting maintains the structural integrity of the current setup while upgrading it for enhanced system performance.

New Build Solutions

Providing complete systems with lighting, electrical, and structural components engineered to work together. This includes pole installation, fixture placement, and full system integration. We offer accessories (poles, mounts, etc.) as a complete package to ensure efficient project completion.

1 Glare and Spill Mitigation Design for Better On-Field Lighting

2 AeroTrack System to Enhance Visibility for Aerial Sports

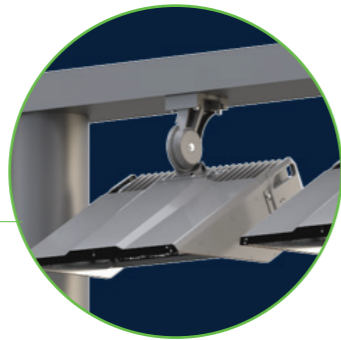
3 Centralized Electrical Components Enclosure with External Driver

4 Optimized Load Distribution to Maintain Structural Integrity & Stability



Engineered for Ultimate Safety, Stability, and Performance

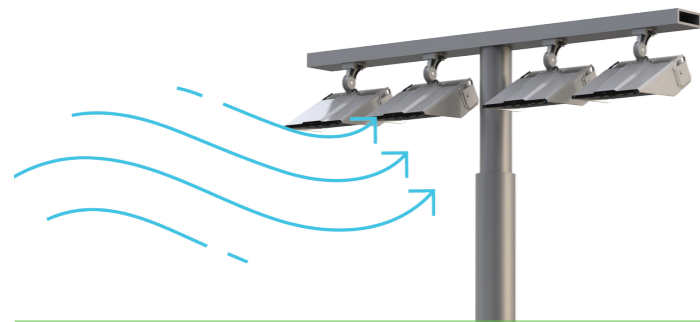
Low EPA Design for Reduced Wind Load
1.55 ft² EPA



Durability to Withstand Harsh Conditions
IP66 All-Weather Protection



Superior WSR for Maximum Wind Resistance
1.2 mph Wind Shear Rating



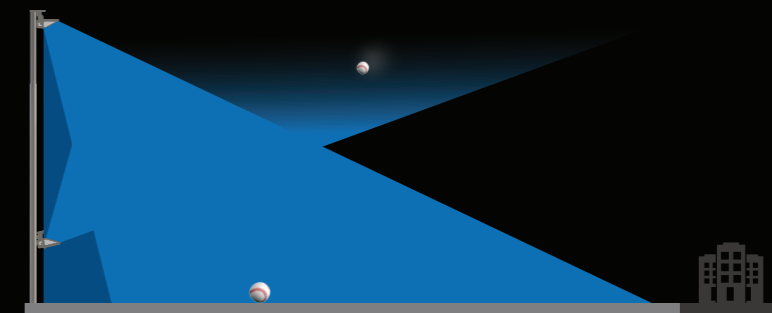
Better Glare Reduction Efficiency Than Standard Fixtures

GlareX $GR \leq 10$

Standard Lights $GR \leq 50$



AeroTrack System for Performance-Critical Environments



Facilitates precise tracking of aerial balls, reducing eye strain and optimizing visual clarity. The system prevents ball loss from over-illumination, ensuring continuous visibility and safe play for athletes.

Improved On-Field Visibility and Safety

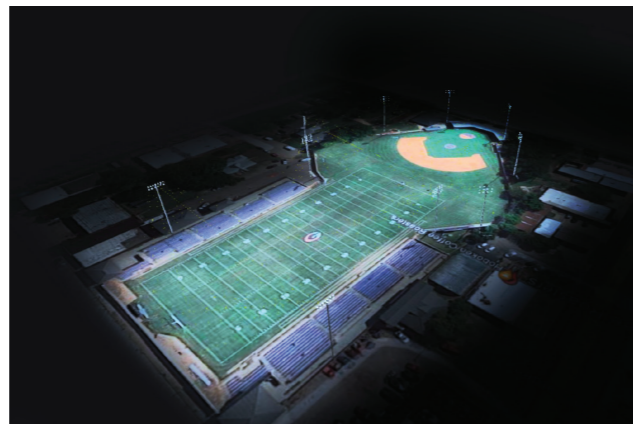
Guthrie Independent School District (ISD), Oklahoma

The upgrade at Guthrie, featuring precision-engineered optics and advanced ball-tracking, delivered consistent luminance and enhanced visual acuity. This allowed both players and spectators to enjoy the game better and accurately track ball trajectories, even during fast-paced action.

Challenge: Guthrie faced significant issues with uneven illumination and dimly lit areas on their sports fields, which severely impacted playability.

Resolution: The new system with 160 lm/W efficacy and added ball-tracking solution significantly improved lighting levels while meeting OSSAA standards.

- ✓ **368,640 kWh/Yr**
Annual Energy Savings
- ✓ **\$27,095.04**
Annual Cost Savings
- ✓ **128**
Fixtures Commissioned
- ✓ **66%**
Improved Lighting Levels



Customer Review

“ We had been struggling with inadequate lighting for some time. IKIO’s sports lighting solution completely transformed our field. The precision and clarity of the lighting are outstanding, as there are no more dark spots or glare issues. The new system is also low wattage, which is great for energy efficiency. Happy with the outcome and how the upgrade turned out! ”

Simplified Maintenance with Significantly Reduced Costs

Tallassee City Schools, Alabama

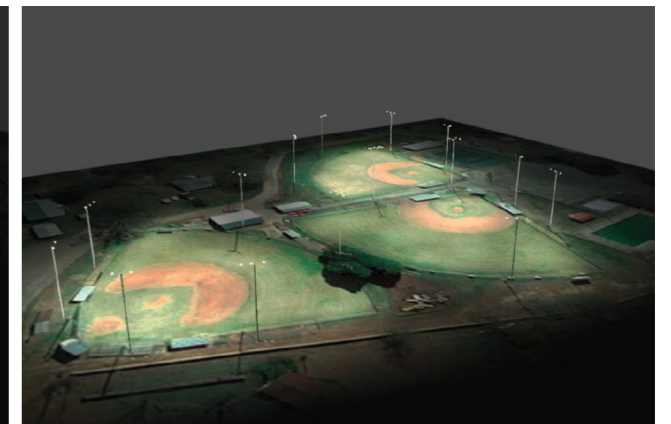
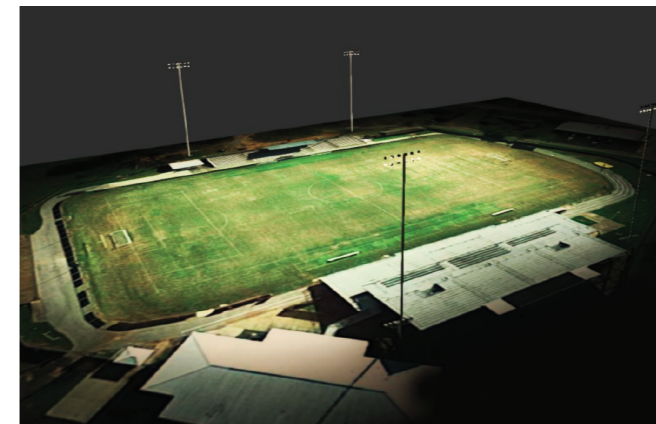
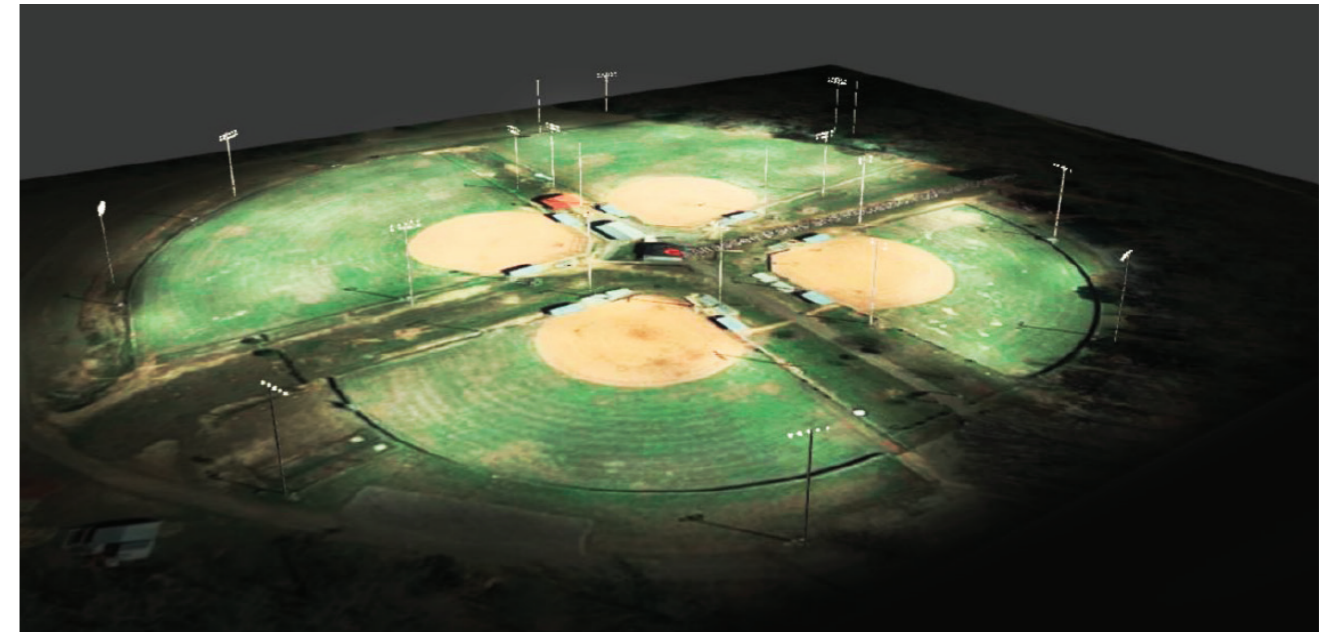
Football Field | Baseball Field | Softball Field

Powered by external drivers, IKIO’s OLM solution for Tallassee streamlined maintenance with quick driver replacements and diagnostics, eliminating the need for frequent fixture access. This design will significantly reduce labor costs and downtime in the long term.

Challenge: Tallassee faced high maintenance costs and operational inefficiencies due to an outdated lighting system that required frequent repairs and replacements.

Resolution: Implemented a centralized component enclosure with external driver and accessible wiring, eliminating the need to directly access fixtures for repairs and reducing labor costs.

- ✓ **584,064 kWh/Yr**
Annual Energy Savings
- ✓ **\$42,928.704**
Annual Cost Savings
- ✓ **220**
Fixtures Commissioned
- ✓ **61%**
Improved Lighting Levels



Customer Review

“ Our previous lighting system was inefficient and costly to maintain. We chose IKIO’s lighting solution for its reliability and high performance. The new setup has not only reduced our maintenance costs but also significantly improved visibility across all our sports fields. IKIO’s solution exceeded our expectations. ”

Seamless Sports System Retrofitting

Russellville Independent School District (ISD), Alabama

Delivered a fast and efficient lighting upgrade with OLM at Russellville ISD, enhancing energy efficiency by 80% and reducing annual electricity consumption by 218,880 kWh, all the while maintaining the schedule.

Challenge: Russellville School's sports field required a quick lighting upgrade, as extended closure was not an option for the school.

Resolution: The outdated fixtures were successfully replaced with high-efficiency luminaires, providing enhanced illumination while ensuring the project was completed within the set timeline.

✓ **218,880 kWh/Yr**
Annual Energy Savings

✓ **\$16,087.68**
Annual Cost Savings

✓ **76**
Fixtures Commissioned

✓ **66%**
Improved Lighting Levels



Customer Review

The need was for a quick and efficient upgrade and IKIO provided the perfect solution. Their OLM system delivered exactly what we were looking for—bright, glare-free illumination with fewer fixtures, and the integration was seamless. The project was completed on time, and the improvements in safety and visibility have been remarkable.



Uniform Lighting and Durability for Lasting Performance

Pike High School, Indiana

Baseball Field | Soccer Field | Tennis Courts | Softball Field

IKIO upgraded Pike High School's sports lighting system, resolving the issue of uneven light distribution across the field. The new system provided balanced, high-quality illumination throughout, enhancing player safety and improving the overall spectator experience.

Challenge: Pike's sports arena had uneven lighting, with some areas overly lit while others remained dim, leading to safety concerns for players and reducing gameplay quality.

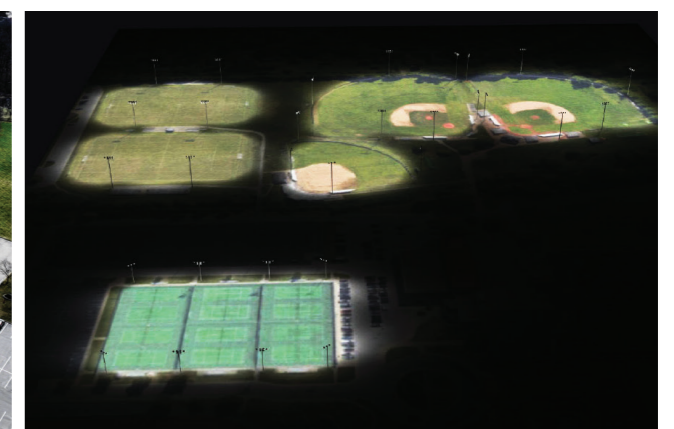
Resolution: IKIO installed high-efficiency fixtures with precision optics and a AeroTrack System to ensure uniform light distribution and improved visibility for both players and spectators.

✓ **161,568 kWh/Yr**
Annual Energy Savings

✓ **\$11,875.248**
Annual Cost Savings

✓ **187**
Fixtures Commissioned

✓ **25%**
Improved Lighting Levels



Customer Review

Before IKIO's upgrade, our field had significant lighting inconsistencies, with bright spots and shadows making gameplay difficult. The new system provides perfectly even lighting across the entire field, improving player safety and the overall experience for everyone attending. We're also seeing impressive energy savings.



Lower Energy Consumption for Maximized Savings

Bartlesville Independent School District (ISD), Oklahoma

Football Field | Baseball Field | Softball Field

The upgrade at Guthrie, featuring precision-engineered optics and advanced ball-tracking, delivered consistent luminance and enhanced visual acuity. This allowed both players and spectators to enjoy the game better and accurately track ball trajectories, even during fast-paced action.

Challenge: Bartlesville ISD's multiple sports facilities urgently required an energy-efficient lighting upgrade due to their existing high-wattage fixtures, which were driving up monthly energy costs.

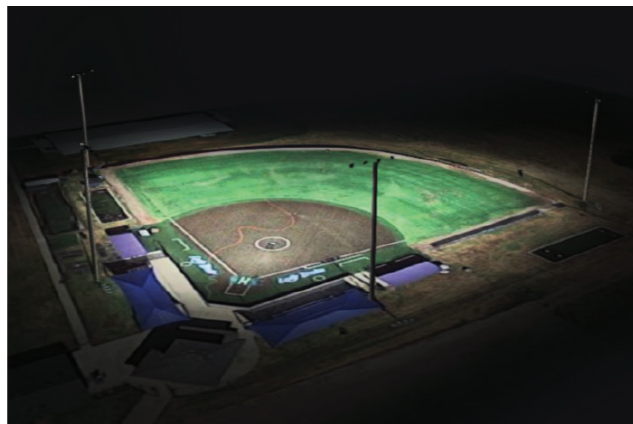
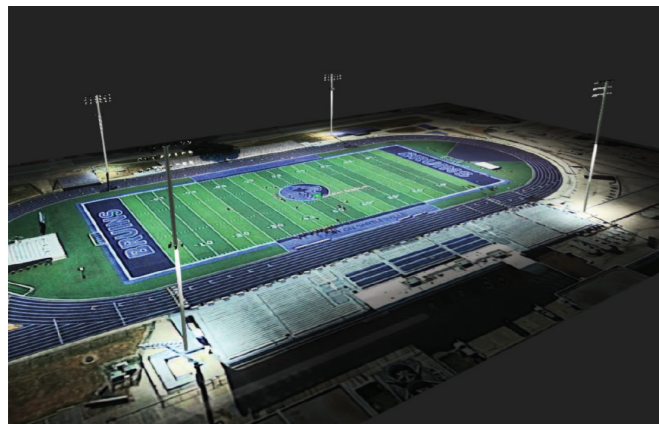
Resolution: The upgrade featured energy-efficient stadium flood lights with 162 lm/W efficacy, providing uniform illumination at lower wattage and reducing energy consumption by 80%.

✓ **691,200 kWh/Yr**
Annual Energy Savings

✓ **\$50,803.20**
Annual Cost Savings

✓ **237**
Fixtures Commissioned

✓ **68%**
Improved Lighting Levels



Efficient Fixture Integration for Power Stability and Savings

Royal Independent School District, Texas

Baseball Field | Tennis Courts | Softball Field

IKIO provided a full lighting upgrade for Royal ISD's facility, resolving power fluctuation issues that had impacted the lighting system. The new installation delivered consistent, high-quality illumination while reducing energy consumption and offering long-term cost savings.

Challenge: The previous system frequently experienced power fluctuations, causing inconsistent lighting output and frequent fixture failures, which resulted in higher maintenance costs.

Resolution: IKIO installed high-efficiency fixtures with built-in surge protection, stabilizing lighting output and preventing fixture failures. This upgrade provided more reliable lighting overall.

✓ **136,290.816 kWh/Yr**
Annual Energy Savings

✓ **\$10,017.37498**
Annual Cost Savings

✓ **92**
Fixtures Commissioned

✓ **50%**
Improved Lighting Levels



Customer Review

IKIO's OLM system, along with their tech and site support team, made the upgrade seamless. The fixtures were easy to install, and they even supplied poles and all the necessary accessories for the project. Everything was clearly labeled and organized, with real-time updates throughout the process, ensuring full transparency. Overall, the experience was smooth!

Customer Review

IKIO's lighting upgrade solved our power fluctuation issues, ensuring consistent performance during events. The new system has improved visibility, and we've seen a significant reduction in both maintenance and energy costs. We're very happy with the upgrade and the results.

Turn Game Days into Memorable Events



Scan to View the Video

Dynamic Sports Lighting

Powered By SYNAPSE

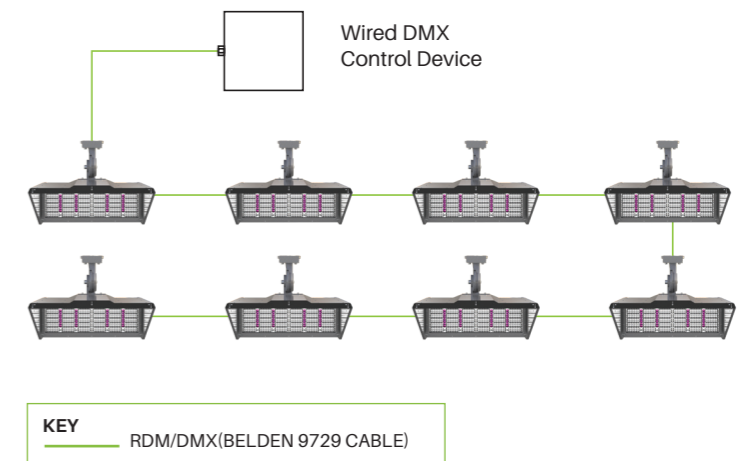


OLM systems with dynamic color-changing capabilities and real-time lighting adjustments for smooth transitions during events. Ultimately, what spectators get is a fully immersive visual atmosphere for a captivating viewing experience.

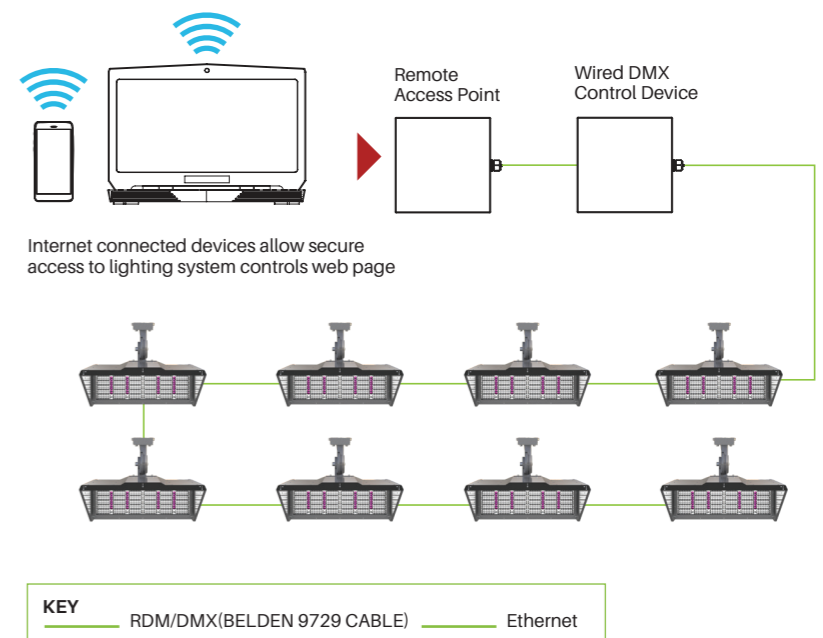
Synapse DMX Controls: Enhances the Way You Operate Field Lights

- Adjust individual fixtures, grouped lights, or the entire system from any location using a mobile device, tablet, or computer. No more phone calls to a third-party provider!
- Schedule the lights for practices, evening games, and special events.
- Get multiple preset lighting configurations to activate for special lighting needs with just a click.
- Instantly switch between static scenes for player introductions, national anthems, or halftime shows.
- Site based control with no requirement of the internet.

System Topology: Wired DMX Controls



System Topology: Remote Access Point with Wired DMX Controls VPN Gateway to DMX System Controls



Comprehensive Lighting Range for Every Sports Venue



	RAYDENT Stadium Flood Light	DYNAMO 3 Stadium Flood Light	DYNAMO 4 PRO Stadium Flood Light	LUMINIX Stadium Flood Light	GLAREX Stadium Flood Light
Driver	Integrated Driver	Integrated Driver	Remote-Controlled Driver	Integrated Driver	Remote-Controlled Driver
DMX Control Compatible	Yes	Yes	Yes	Yes	Yes
Suitable IES Standards	Class III, Class IV	Class II, Class III	Class I, Class II	Class II, Class III	Class I, Class II
Ingress Protection (IP) Rating	IP66	IP66	IP65	IP65	IP66
Unified Glare Rating (UGR)	-	-	-	≤30	≤10
Effective Projected Area (EPA)	3.3ft ²	1.59ft ²	3.04ft ²	2.7ft ²	1.55 ft ²
Wind Shear Rating (WSR)	1.2mph	-	1.2 mph	1.2 mph	1.2 mph
Dynamic (RGBW) Capability	-	RGBW	RGBW	RGBW	RGBW
Distribution Patterns	NEMA 3	NEMA 3	NEMA 3, NEMA 4	NEMA 3	NEMA 3, NEMA4, NEMA5
Voltage	120-277V 277-480V	100-277V 277-480V	120-277V 277-480V	120-277V	100-277V 200-480V
Warranty	10 Years	10 Years	10 Years (Expandable Up to 25)	10 Years	10 Years (Expandable Up to 25)
Fixture Design	Round	Round	Round	Square	Square
Structure System	-	-	-	-	Complete Structure System
Power	750W 1000W 1200W	300W 400W 500W 600W	750W 1000W 1200W	500W 600W 700W 800W	800W 1000W 1200W
Color Temperature (CCT)	5000K	3000K 3500K 4000K 4500K 5000 K	5000K	5000K	4000K 5000K



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Product Sheet



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Setting a New Benchmark in Project Visualization

IKIO's Energy Lifestyle Technology
Experience next-gen pre-project visualization with BIM models!



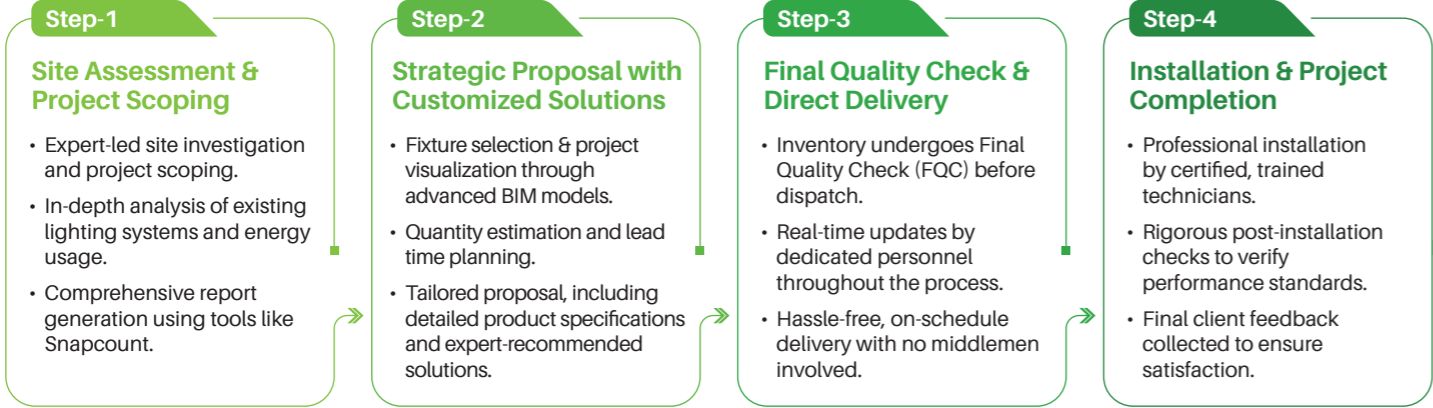
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Exciting Product Range!

4^{Step} Turnkey Solution

Experience effortlessness and efficiency in project completion like never before!



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