

**Designed to Deploy.
Built to Endure**

DYNAMO 4PRO
STADIUM FLOOD LIGHT

With
FlexiDriver Technology

www.ikioledlighting.com





Compliance-Ready Lighting for Regulated Environments

Dynamo 4Pro is engineered specifically for athletic infrastructure projects that demand both performance and precision at every stage, from submittal to commissioning. The system is fully aligned with compliance, driven workflows, meeting UL and DLC certification standards and supporting fast-track approval through BIM-integrated planning and traceable documentation. Its design streamlines coordination across disciplines, ensuring compatibility with specification packages, scheduling requirements, and regulated installation environments. Whether deployed in new construction or retrofit scenarios, Dynamo 4Pro delivers system, level efficiency without compromising on control, durability, or output.



FlexiDriver Technology

Designed to simplify both lighting control and system maintenance in high-mount athletic applications. By decoupling the driver from the fixture, the system enables full remote operability, from adjusting light levels zone by zone to executing field-wide changes.

This remote driver configuration also addresses a critical pain point in large-scale lighting infrastructure: maintenance. With the driver enclosure mounted at ground or pole-base level, servicing becomes significantly efficient. FlexiDriver reduces the total cost of ownership by extending fixture life, simplifying compliance inspections, and accelerating scheduled maintenance.



Detach the weight, not the performance. This system allows the driver box to be installed at ground level—even when the fixture is mounted 50 meters high—making servicing safer, faster, and lift-free.

Ground-Level Control. Zero Downtime.

Control



Operators can adjust lighting zones, dimming levels, and output from accessible control boxes — no interruptions to gameplay or field access required.

Access



Ground-mounted drivers allow tool-free servicing, eliminating lift dependency and improving technician safety.

Efficiency



Reduced physical intervention and fast diagnostics improve uptime and extend the system's service life



Certified Durability

Wind-Load Optimization



Low EPA minimizes pole stress in open and high-wind installations, reducing structural reinforcement needs.

Environmental Resilience



Rated IP66 and 3G vibration-tested for long-term performance in coastal, industrial, and outdoor conditions.

Electrical Safeguards



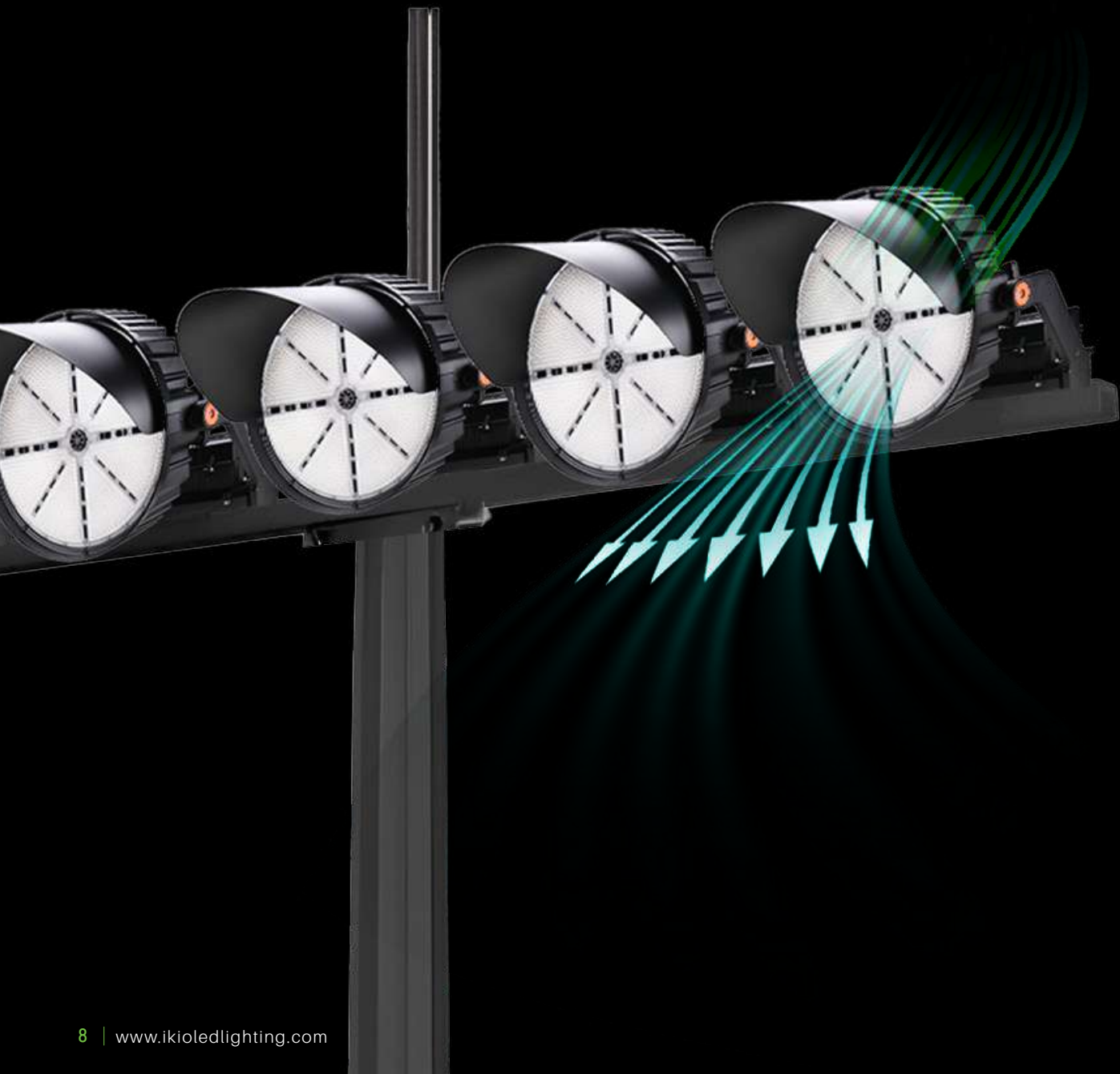
Integrated 20kV surge protection defends against grid instability, keeping mission-critical operations online.

Performance That Holds Under Pressure

Salt-laden air, moisture ingress, and rapid weather shifts like extreme winters and wind can compromise system integrity if not properly addressed. This fixture is engineered to maintain uninterrupted output and structural reliability under such conditions, delivering stable performance without dimming, flicker, or degradation even in wet, corrosive, or moisture-heavy environments

Lasting Thermal Performance

Sustained operation in high temperatures often leads to early component degradation. This fixture mitigates thermal risk through a passive cooling design that optimizes airflow and heat dissipation at the source. The result: consistent illumination, stable color rendering, and extended service life even during prolonged runtime in high-temperature environments.

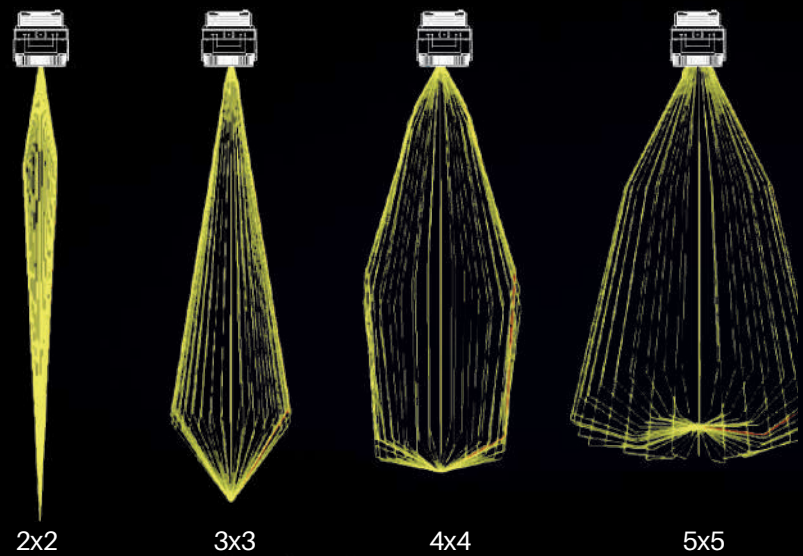


Optical Precision for Competitive Play

Precision and balance are critical in athletic venues, where lighting must support fast motion, clear sightlines, and broadcast-level clarity without introducing visual strain. This system is engineered to deliver optimal light placement and distribution, ensuring critical zones remain evenly and accurately illuminated.

Advanced Beam Control

Equipped with a high-efficiency lensing system and multiple beam angle options (20°, 30°, 40°), the fixture enables tailored light distribution across diverse stadium dimensions. It minimizes glare, maximizes uniformity, and supports lighting layouts that meet both athletic performance standards and audience visual comfort, ensuring every fixture contributes to a consistent, field-ready lighting environment.

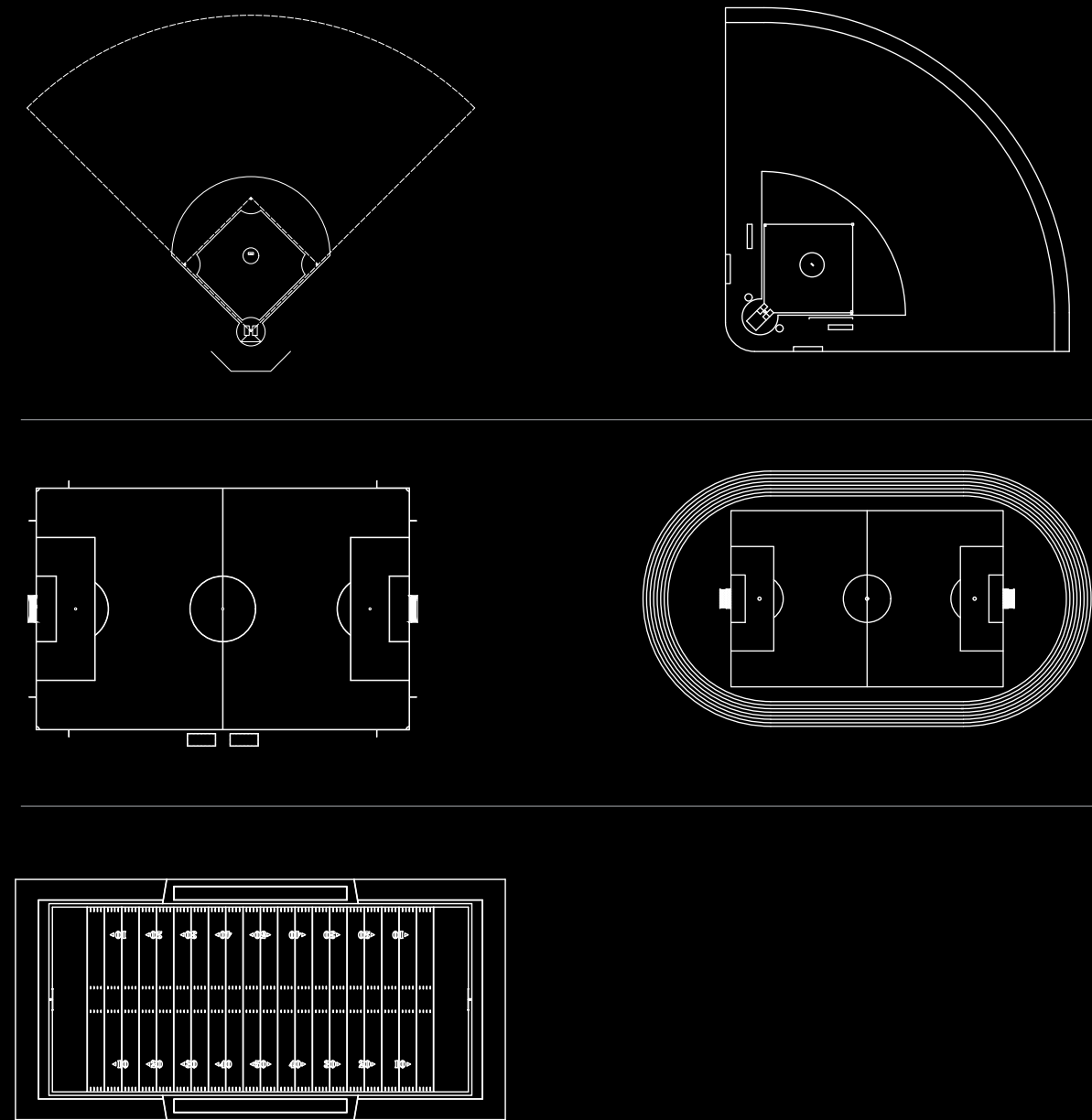


Geared for Field Geometries

Athletic venues vary significantly in structure, from steeply tiered seating to asymmetrical layouts and irregular field boundaries. Lighting systems must adapt accordingly to maintain uniform coverage and eliminate shadow zones across all play surfaces.

Mounting Flexibility for Targeted Coverage

The bracket system allows angle adjustments from 0° to 90°, ensuring beam direction can be aligned to the unique area of each venue. Whether illuminating tight turns on a racetrack, expansive sideline zones, or distant goal areas, the mounting design enables accurate light placement.



DYNAMO 4PRO

STADIUM FLOOD LIGHT

Electrical

Max Power	1147.3W
Voltage	AC 120-277V (200-480V option available)
Power Factor	0.9
Total Harmonic Distortion	15%
Surge Protection	L/N-PE: 10kV, L-N: 6kV

Lighting Performance

Lumen	111622lm-148830lm-170752lm
Efficacy	150lm/W
Color Temperature (cct)	4000K 5000K 5700K
Beam Angle	20° 30° 40°
Dimmable Lighting Control	0-10V Dimming (DMX, DALI, Synapse)

Environment

Operating Temperature	-40°F ~ +113°F
Ingress Protection Rating (IP)	IP65
Impact Protection Rating (IK)	IK10



Lifespan

Average Life (Hours)	100,000
Warranty (Years)	10

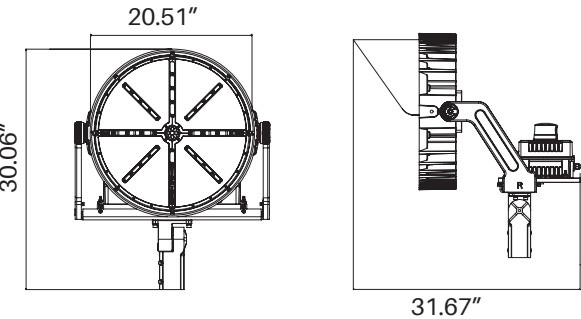
Components

LED Light Source	Bridgelux SMD3030
Driver	Inventronics EUM-680S350MT

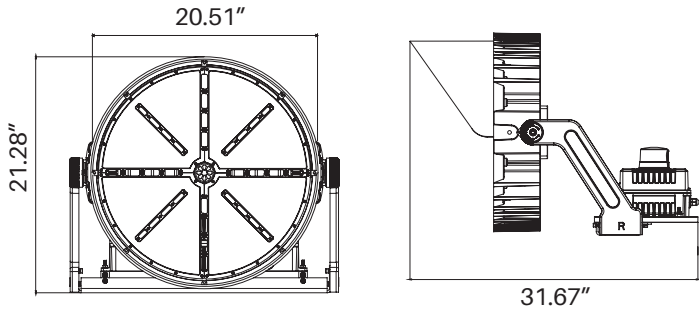
Construction

Housing	Die-cast Aluminum
Lens	Polycarbonate
Finish	Black (Optional: Bronze, White)

Slip Fitter Mount



Flood Mount



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