



Lighting System Warranty

- Standard 10 year warranty included
- 25 warranty available

MAKO Unibody Frame Structure

- Sleek and Structural Design; 2x stronger, 1/2 the weight and 1/4 the EPA of traditional LED sports lighting products
- Eliminates the cost of bulky cross-arms and unreliable wiring connections
- Superior light weight industrial grade aluminum
- Ultra-corrosion resistant alloy: less than 0.03% Cu with electrophoresis coating

MAKO Module

- Up to 150,000 lumens of pure white light and 96,000 lumens of RGB while only weighing 25.5 lbs.
- Quick installation: no wiring, no aiming required
- Custom silicone sports optics with 3D volumetric lighting
- Dark Sky compliant with optimized aerial sports illumination
- Full cutoff with invisible light source and no light leakage
- Extremely low on-field glare rating

MAKO Distribution Module

- Quick and Simple: Universal mount to existing poles
- Patented bi-directional electrical connection with 4X redundancy
- Hassle-free snap-in MAKO Modules
- Easy and flexible connection for retrofit or new construction

MAKO Driver

- Mission Critical dual redundancy for maintained light levels on playing surface
- Easy installation and quick disconnect at base of pole for facility owners and operators
- Highly reliable military design with an impressive >95% efficiency and 1 watt standby power
- Dynamic power factor correction: detects, corrects, and runs through dirty and polluted power
- Auxiliary power for IoT devices and integrated battery charging system

MAKO Spine

- Rugged solid-state mission critical defense system backplane for power and communication
- Fast connect and disconnect of MAKO Driver Supplies without need of electrician
- Integrated 100kA surge with gas discharge tube for unprecedented lightning protection
- Dynamic power factor correction: detects, corrects, and runs through dirty and polluted power
- Auxiliary power for IoT devices and integrated battery charging system

Integrated Junction Box

- Sealed and lockable access point for installation and maintenance
- Eliminates cumbersome and costly external fuse enclosures
- Patented MST field-adapt quickly converts from 1-phase to 3-phase in seconds
- Universal input voltage of 208v to 480v
- Easy tool-free connection to existing power at base of pole

MAKO SES Control System

- Only all-encompassing sports lighting control system on the market
- Intuitive control of MAKO M3 Sports Entertainment Solution and IoT Devices
- User defined administrative accounts at various levels for creation and triggering of Action Lighting, scheduling, monitoring, etc
- IoT Thingstream connectivity included for 24/7 monitoring and system updates
- Text message or email alerts to notify if system is operating in redundant mode
- No recurring fees: no cellular data plan required, operates on private secure network fully isolated from building LAN
- Industry standard MQTT messaging data can be seamlessly integrated into customer's existing backend controls
- Dark Sky certified with community friendly control capability

Expandable Sensor and Auxiliary Power

- Low voltage expansion port for IoT sensors
- 2 hour emergency lighting module with up to 3,000 lumen output
- Lithium-ion phosphate battery backup for continuous control and monitoring of the MAKO system, even during power outage

