

## PATRIOT

100W / 150W / 200W



### Product Overview

Purpose-built LED lighting system for recreational tennis and pickleball courts and other general outdoor applications. Engineered to deliver consistent illumination, controlled glare, and dependable long-term performance for private clubs, HOAs, and community facilities.

### Applications

#### Sports & Recreation

- Tennis & pickleball courts (Primary)
- Golf ranges and more
- General sports facilities

#### Roadways & Transportation

- Streets, highways & bridges

#### Industrial & Infrastructure

- Ports, shipyards, airports
- Railyards, freight zones

### Performance Highlights

- Application-specific optics optimized for court geometries
- Balanced horizontal and vertical uniformity for player comfort
- Full cut-off optical design to control glare and light spill
- Flicker-free operation suitable for recreational play
- Robust electrical design with wide voltage compatibility
- 10-year limited manufacturer's warranty



### Engineered, Manufactured & Supported in-House

DuVon™ designs and manufactures complete LED lighting systems and turnkey solutions engineered for predictable performance, long-term reliability, and simplified service. Our systems deliver precision and uniformity across sports, stadium, industrial, and municipal applications.



## Specifications

Performance & Environmental Ratings	
Available Beam Angles	Full cut-off / Indirect asymmetric
Operating Temp	-40°F to 131°F
Protection Rating	IP65 (IP67 & IP 68 Components)
Rated Life	L70 ≥ 50,000 hrs
Warranty	10 years

Lumen Output	
APL-LHM100N (100W)	13,265 lm
APL-LHM150N (150W)	20,556 lm
APL-LHM200N (200W)	25,174 lm

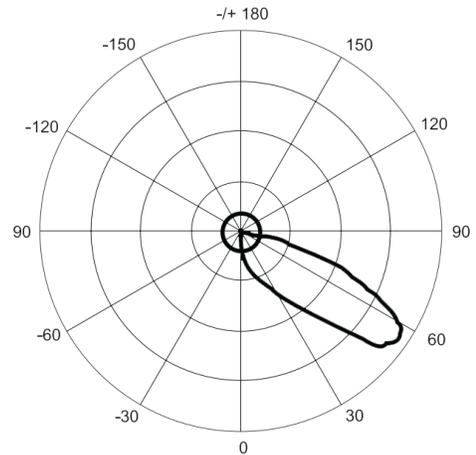
Construction & Mounting	
Housing Material	Die-cast aluminum
Finish	Outdoor rated powder coating
Color Options	Black / Grey / Green / Custom
Weight	39.6 lbs
Mounting	Adjustable yoke bracket (accs. available)

Electrical & Control Components	
LED Chips	Nichia
Drivers	Meanwell / Inventronics
Surge Protection	10kV / 20kV (opt.)
Controls	Smart control available (opt.)
EPA	0.75 ft <sup>2</sup> – 1.25 ft <sup>2</sup>

Smart Network Lighting Control available upon request.

Example IES files available.

## Luminous Intensity Distribution



## Electrical Data — Input Current (Amps)

(Nominal value shown; actual values may vary by driver configuration...)

Input Voltage	100W	150W	200W
110V	0.90A	1.36A	1.82A
240V	0.42A	0.63A	0.83A
277V	0.36A	0.54A	0.72A
480V	0.20A	0.31A	0.42A

## Ordering Information

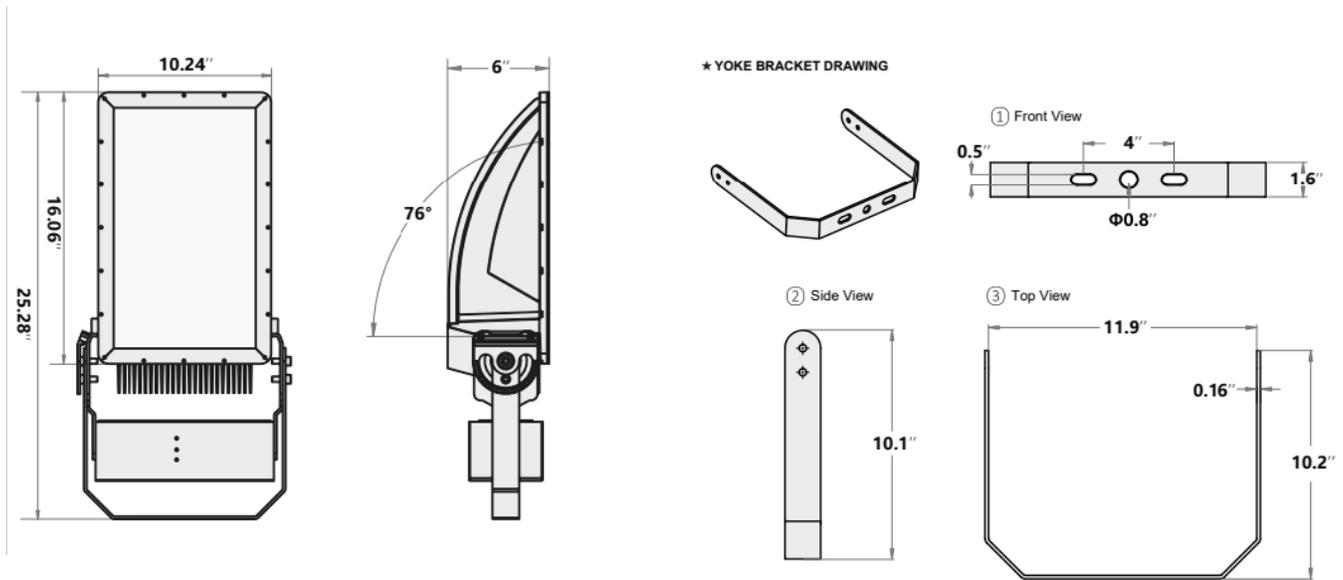
Select one option from each column to build the model number. Contact Duvon™ for custom options.

**Ex: 12 – DV-LHM100N – 100 – Black – 5K – 70 – 100-277V – ADV-R – SC**

Qty.	Model No.	Watts	Color	CCT	CRI	Input Power	Accessories	Smart Ctrl (opt.)
	DV-LHM100N	100	Black	3K = 3000K	70	100-277V	ADV-R = GI-SI-ADV-R	SC = Included
	DV-LHM150N	150	Grey	4K = 4000K	80	277-480V	ADV-S = GI-SI-ADV-S	[Blank] = None
	DV-LHM200N	200	Green	5K = 5000K	90			

Standard stock: 5000K CCT | 70 CRI (3000K - 6500K CCT / Other CRI options available).

## Dimensions

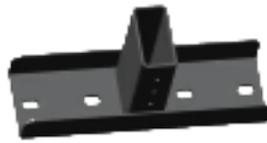


## Mounting Accessories

Add accessory part numbers in the ordering information. Slipfitter adapters and arms are customizable.  
Standard color: Black (other colors available).



GI-SI-ADV-R

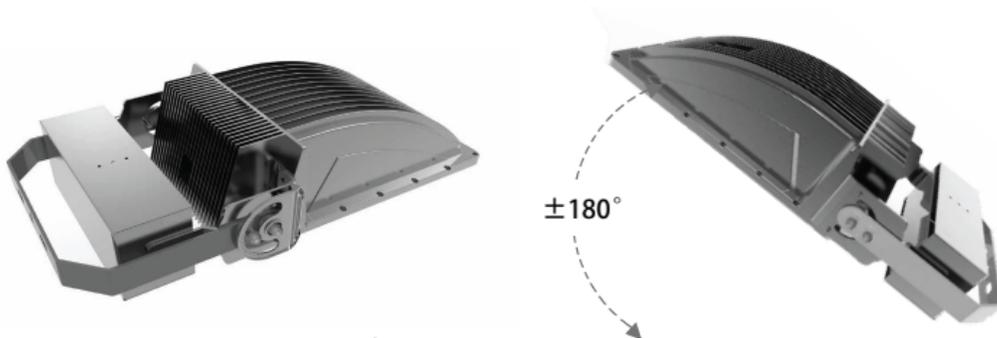


GI-SI-ADV-S



## Adjustment Guide

Horizontal installation is recommended for court lighting. Adjustable mounts with tilt angle options are available.  
Yoke bracket supports a 180° adjustable tilt.





### ① Wireless Zigbee Controller

**Versatile Control:** Features on/off, dimming, scheduling, and optional clouDV-based monitoring.

**Pre-Programmed Switch:** Five-button switch with preset dimming for easy operation.

**Flexible Connectivity:** Compatible with LAN, Wi-Fi, or cellular networks.

**Durable Design:** Weather-resistant for reliable outdoor use.

**Scene Management:** Supports Static, Dynamic, and ProFX lighting scenes.



### ② Wireless DMX Controller

**Advanced Control:** Includes on/off, dimming, scheduling, scene management, and clouDV-based monitoring.

**Mobile App:** Easy scene activation and control via Android/iOS devices.

**Integrated Display:** Real-time system monitoring and configuration updates.

**Dynamic RGB:** Supports vibrant RGB lighting and customizable scenes.

**Reliable Connectivity:** Offers cellular and LAN options with interference-free Sub-GHz RF.

**Weather-Resistant:** Built for harsh outdoor conditions.

**Effortless Setup:** Simplified commissioning for quick installation.

**24/7 Monitoring:** Cellular connectivity ensures real-time updates and optimization.