

PROCOURT

300W / 400W



Product Overview

Professional-grade LED lighting solution for clubs, schools, multi-court complexes, and glare-sensitive applications such as airports, seaports, and large-area facilities. Designed to support higher illumination levels while preserving visual comfort and consistency.

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

- Increased lumen output for competitive & multi-use applications
- Precision asymmetric optics for perimeter and offset pole layouts
- Reduced glare zones to support prolonged visual tasks
- Dark-sky friendly, full cut-off optical control
- Heavy-duty die-cast aluminum construction
- 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-LHM300N (300W)	42,665 lm
APL-LHM400N (400W)	54,495 lm

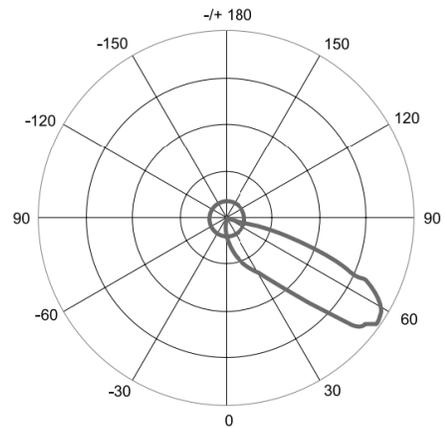
Construction & Mounting	
Housing Material	Die-cast aluminum
Finish	Outdoor rated powder coating
Color Options	Black / Grey / Green / Custom
Weight	43 lbs
Mounting	Adjustable yoke bracket (accs. available)

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

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	300W	400W
110V	2.72A	3.63A
240V	1.25A	1.67A
277V	1.08A	1.44A
480V	0.63A	0.83A

Ordering Information

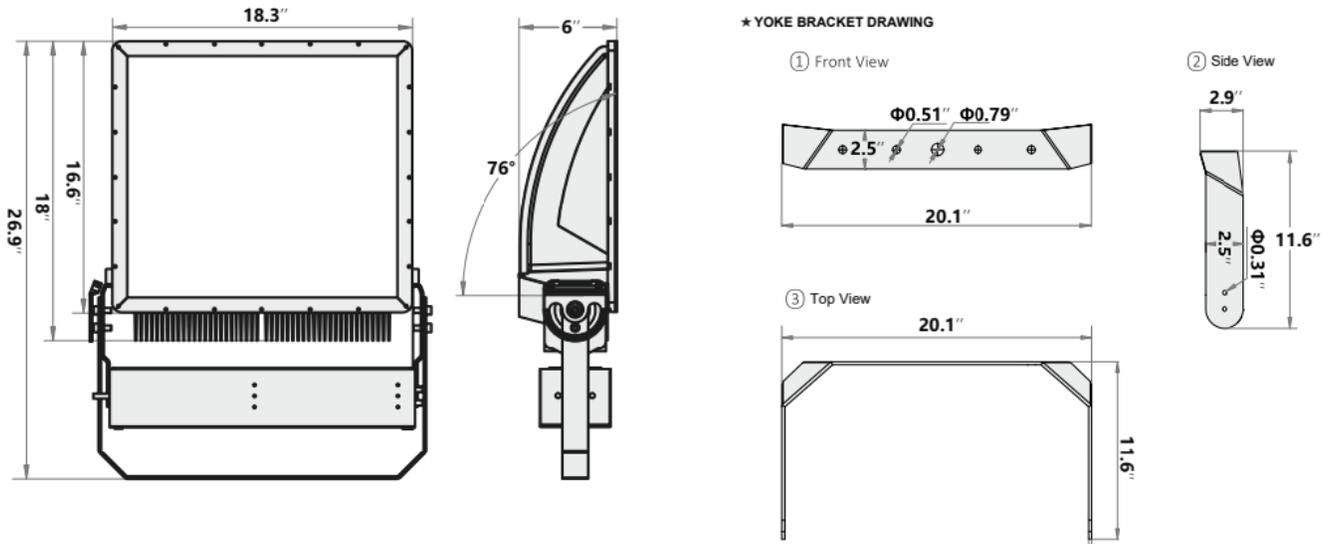
Select one option from each column to build the model number. Contact Duvon™ for custom options.

Ex: 12 – DV-LHM300N – 300 – Black – 5K – 70 – 100-277V – ADV-R – SC

Qty.	Model No.	Watts	Color	CCT	CRI	Input Power	Accessories	Smart Ctrl (opt.)
	DV-LHM300N	300	Black	3K = 3000K	70	100-277V	ADV-R = G1-S2-ADV-R	SC = Included
	DV-LHM400N	400	Grey	4K = 4000K	80	277-480V	ADV-S = G1-S2-ADV-S	[Blank] = None
			Green	5K = 5000K	90			

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

Dimensions

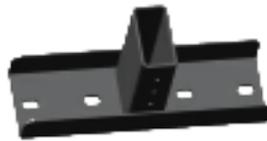


Mounting Accessories

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



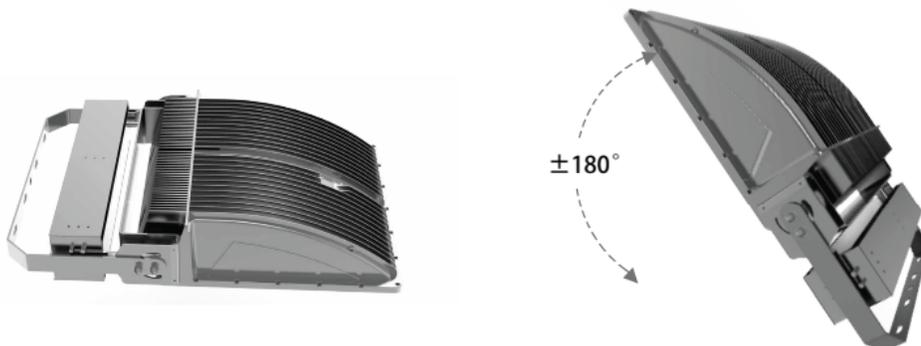
GI-S2-ADV-R



GI-S2-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.