UNION

300W / 400W / 500W / 600W

Product Overview

Cost-effective LED stadium lighting system designed for large school and municipal sports venues. Engineered to provide reliable coverage, controlled glare, and durable performance as an economical upgrade from field lighting systems.

Applications

Sports & Recreation
- Football, soccer, baseball & softball fields
- Outdoor stadiums & sports complexes
- Tennis, pickleball & multi-use courts
- Golf driving ranges
- Large event fields & arenas
- High-mast municipal or industrial sites

Performance Highlights

- **Medium- to long-throw optical** distributions for stadium config.
- **Reliable performance** suitable for moderate-height pole installs
- **Controlled glare** for players, officials, and spectator viewing areas
- **High-efficiency system** optimized for value-oriented projects
- **Durable construction** designed for outdoor environments
- **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	25° / 45° / 60°
Operating Temp	-40°F to 131°F
Protection Rating	IP65 / IP66 (opt.) (IP67 & IP 68 Components)
Rated Life	L70 ≥ 50,000 hrs
Warranty	10 years

Lumen Output

APL-RSL300N (300W)	36,000 lm
APL-RSL400N (400W)	48,000 lm
APL-RSL500N (500W)	65,000 lm
APL-RSL600N (600W)	78,000 lm

Construction & Mounting

Housing Material	Die-cast aluminum
Finish	Outdoor rated powder coating
Color	Black
Weight	39.6 lbs
Mounting	Adjustable yoke bracket (accs. available)
Visor	Std. option included / Custom

Electrical & Control Components

LED Chips	Nichia / Osram
Drivers	Meanwell / Inventronics
Surge Protection	10kV / 20kV (opt.)
Controls	Smart control available (opt.)
EPA	0.45 ft² — 0.94 ft²

Smart Network Lighting Control available upon request.

Example IES files available.

Luminous Intensity Distribution

25° (Nichia Chips)

45° (Nichia Chips)

60° (Nichia Chips)

Electrical Data — Input Current (Amps)

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

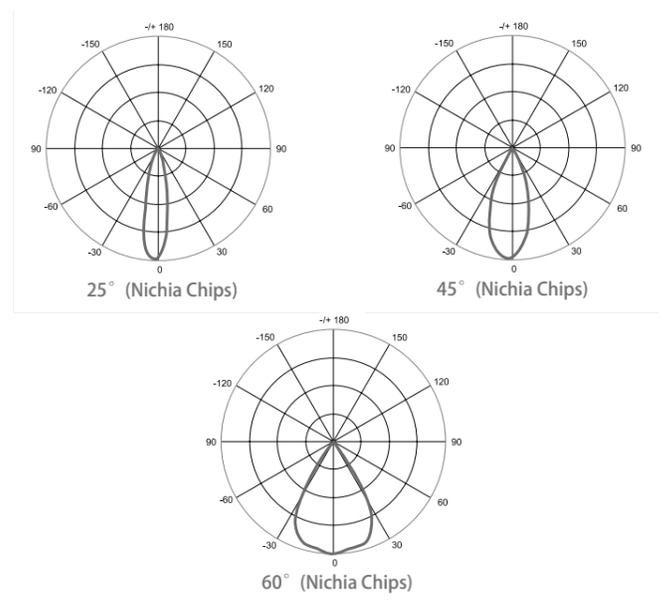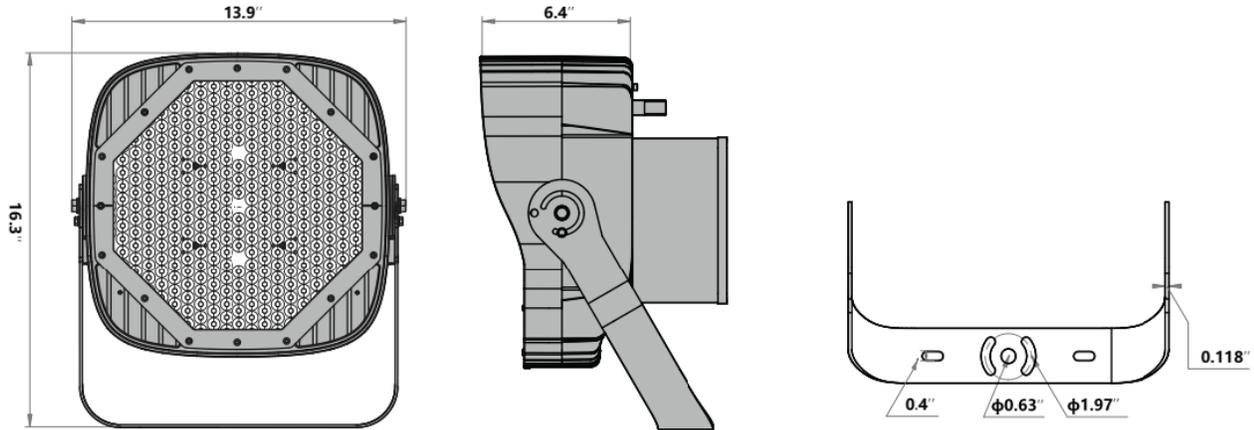| Input Voltage	300W	400W	500W	600W
110V	2.73A	3.64A	4.55A	5.45A
240V	1.25A	1.66A	2.08A	2.5A
277V	1.08A	1.44A	1.81A	2.16A
480V	0.63A	0.83A	1.04A	1.25A

Ordering Information

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

Ex: 12 — DV-RSL600N — 400 — 5K — 70 — 25 — 100-277V — CA — SC

Qty.	Model No.	Watts	CCT	CRI	Optic	Input Power	Accessories	Smart Ctrl (opt.)
	DV-RSL300N	300	3K = 3000K	70	25°	100-277V	DC = Driver Cab.	SC = Included
	DV-RSL400N	400	4K = 4000K	80	45°	277-480V	CA = Cross Arm	[Blank] = None
	DV-RSL500N	500	5K = 5000K	90	60°			
	DV-RSL600N	600	5.7K = 57000K					

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

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Dimensions

Accessories

Add accessory part numbers in the ordering information. Slipfitter adapters and arms are customizable.

Note: Max distance between driver cabinet and luminaire: 100'. Standard fixture wire length: 1.31'
Standard visor included.
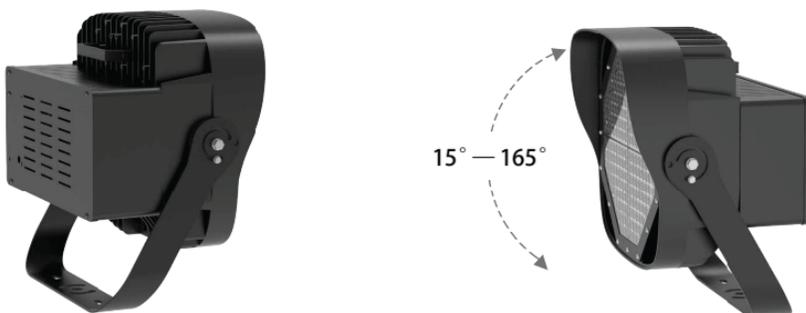

VGS = Visor Glare Shield
（Built-in）

DC = Driver Cabinet

CA = Cross Arm

Adjustment Guide

Adjustable mounts with tilt angle options are available.

Yoke bracket supports a 15-165° adjustable tilt.

15° — 165°

DUVON

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.

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