



**DuVon™ Court Lighting Systems**  
Trusted Lighting Partner for Premier Racquet Facilities

# UPGRADE YOUR FACILITY WITH CONFIDENCE

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# Enhance player experience, extend playable hours, and protect your investment with Duvon™ Court Series court lighting.



The Duvon™ Court Series is engineered to deliver refined, glare-free illumination that complements high-end club environments while providing the performance demanded by serious players.

### Schedule a Project Consultation Today

- Photometric plans
- Value Engineered Approach
- Factory Direct Fixtures
- Pole Layouts





### Indirect, Glare-Free Optical Design

The Court Series utilizes a proprietary indirect lighting system that directs light onto the court surface while minimizing high-angle glare. This results in improved ball visibility on serves, lobs, and overheads—without the harsh brightness common in traditional sports lights.

### Professional-Grade LED Performance

- High-output LED arrays optimized for tennis and pickleball applications
- Typical system efficacy exceeding 150 lm/W (application dependent)
- Designed to meet or exceed IES illumination recommendations for club-level play

### Precision Beam Control & Spill Reduction

- Uniform horizontal and vertical illumination across all courts
- Minimal light spill beyond court boundaries
- Reduced complaints from neighboring residences and adjacent amenities

### Superior Color Quality

- 5000K CCT for clean, daylight-like visibility
- High CRI for accurate ball tracking and depth perception during fast play

### Built for Outdoor Club Environments

- Heavy-duty aluminum housing with advanced thermal management
- IP66-rated for long-term outdoor reliability
- Rated for 100,000+ hours (L70)

### Certified & Community-Friendly

- DLC-listed configurations available
- Supports Duvon™ Dark Sky and local lighting ordinances
- Backed by Duvon™'s comprehensive warranty and support programs



## PATRIOT

100W / 150W / 200W

Nichia & Inventronics

Court Series



## PROCOURT

300W / 400W

Osram & Inventronics

Court Series



## FREEDOM

600W / 800W

Nichia & Inventronics

Court Series



## UNION

400W / 600W

Osram & Inventronics

For large court facilities & retrofits





IES Class	Typical Illuminance Range	Synopsis (Plain Language)	Recommended Level of Play
<b>Class IV</b>	~20–30 footcandles	Basic recreational lighting focused on safety and casual play. Suitable for daytime overflow or limited evening use.	Casual recreational play, community parks, informal club use
<b>Class III</b>	~30–50 footcandles	Balanced lighting that supports consistent ball tracking and comfortable night play without over-lighting.	Club play, leagues, lessons, clinics, member evening use
<b>Class II</b>	~50–75 footcandles	High-quality competitive lighting with excellent uniformity and visibility for faster play and spectators.	Competitive club matches, tournaments, advanced league play
<b>Class I</b>	75+ footcandles	Broadcast-level lighting designed for professional competition and media coverage. Rarely required for clubs.	Professional events, televised competition

**Practical Guidance for Clubs & Facility Directors**

- Most private clubs and country clubs target IES Class III This level provides excellent visibility, strong member satisfaction, and efficient operating costs.
- Class II is typically reserved for tournament-focused facilities Appropriate when hosting sanctioned events or high-level competitive play.
- Over-lighting is a common mistake Higher footcandles do not automatically mean better play—poor fixture design can still result in glare and discomfort.
- Uniformity and glare control matter as much as brightness

Indirect, glare-free systems (such as **Duvon™ Court Series**) often outperform traditional fixtures at the same IES class level.

Note: Exact footcandle targets can vary slightly by jurisdiction and governing body. These values represent widely accepted IES guideline ranges used in most U.S. court designs.

**Optimized Pole Placement**

Duvon™ specializes in value-driven multi-court layouts that maximize performance while controlling costs:

- Strategic pole positioning shared across adjacent courts
- Optimized mounting heights for glare reduction and uniformity
- Reduced total pole count without compromising illumination

This approach delivers consistent lighting across multiple courts while preserving sightlines, walkways, and the overall aesthetics of the club.

Feature	What It Means	Why It Matters for Multi-Court Clubs
<b>Court Zoning</b>	Each court or group of courts operates independently rather than as one large lighting zone.	Only active courts are lit, reducing wasted energy and improving operational control.
<b>Individual Court Control</b>	Lights can be turned on/off per court or court group.	Ideal for staggered play times, lessons, and partial facility use.
<b>Dimming Capability</b>	Light output can be adjusted to different levels (e.g., 50%, 75%, 100%).	Reduces energy costs, extends fixture life, and lowers glare when full output is not needed.
<b>Usage-Based Light Levels</b>	Preset dimming levels for different activities (lessons, league play, tournaments).	Matches light levels to actual play requirements without manual adjustment.
<b>Mobile App Control</b>	Smartphone or tablet access to lighting controls.	Allows pros and staff to manage lighting quickly from anywhere on site.
<b>Desktop / Web Dashboard</b>	Centralized browser-based control from a computer.	Simplifies management of multiple courts from one interface.
<b>Remote Access</b>	Lighting can be controlled off-site.	Enables after-hours management and reduces unnecessary staff call-backs.
<b>Scheduling &amp; Automation</b>	Automatic on/off schedules by time, day, or season.	Prevents lights from being left on and reduces staff workload.
<b>Security &amp; Permissions</b>	User access levels for staff, pros, or management.	Prevents unauthorized changes and simplifies accountability.

## Smart Lighting Control Systems for Multi-Court Facilities

Control solutions are available for projects that require scheduling, monitoring, and zoning.



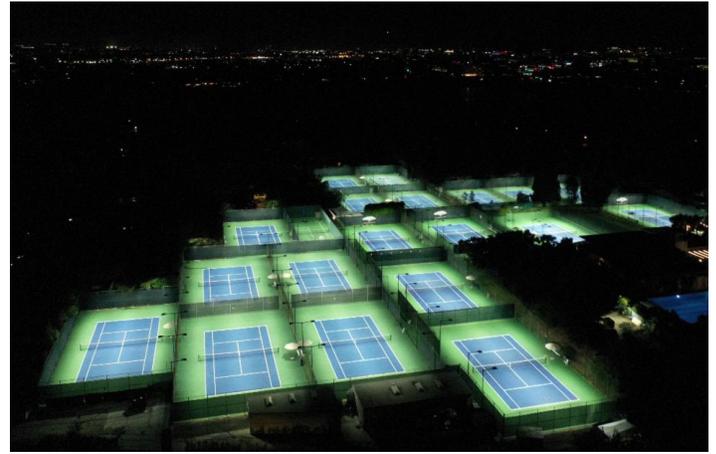


**Turnkey Design, Multi-Court Value**  
Design-Build Expertise & Value Engineering

**Optimized Pole Placement**

Duvon™ is the lighting partner for dozens of leading tennis and pickleball court builders nationwide. Our fixtures are engineered turnkey installations for private clubs, country clubs, resorts, and racquet facilities, ensuring seamless coordination between court construction and lighting performance.

Facility directors benefit from a single, coordinated solution—designed, engineered, and supported by professionals who understand court layouts and club operations.

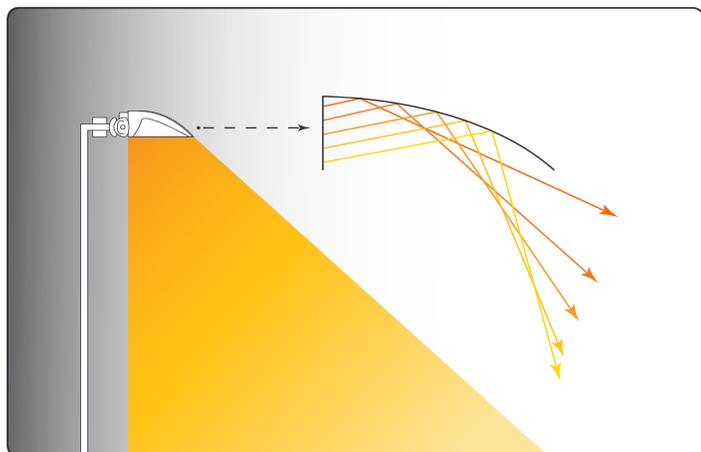


### Optimized Pole Placement

Traditional sports lighting often creates glare, uneven brightness, and visual fatigue—especially noticeable for aging members and competitive players alike. The Court Series addresses these challenges directly:

- Improved player comfort and confidence during night play
- Enhanced visibility for instruction, clinics, and tournaments
- Reduced light trespass and improved neighbor relations
- A refined visual aesthetic aligned with premium club standards

This approach delivers consistent lighting across multiple courts while preserving sightlines, walkways, and the overall aesthetics of the club.



### Performance Without Light Pollution

Duvon™ Dark Sky-compliant sports lighting requires more than selecting a lower color temperature. It demands precise optical control, full-cutoff performance, and system-level engineering that limits uplight, glare, and light trespass.

Duvon™ lighting systems are designed with indirect asymmetric optics, shielding, and coordinated mounting geometry to direct light only where play occurs, improving on-field visibility while protecting surrounding neighborhoods and night skies.

As a manufacturer, Duvon™ controls design and production, enabling custom layouts and consistent quality, while the Court Series and Vanguard platforms are built for schools, parks, residential areas, and other sensitive zones requiring Duvon™ Dark Sky-compliant solutions.



**ZERO UPLIGHT (0% ULOR)**

True full cutoff. Only your court is lit.

**INDIRECT, ASYMMETRIC OPTICS**

Precision reflector design.

**GLARE & SPILL FREE**

Sharp visibility, glare-free visibility.

# Court Series Solar

## For projects where grid power isn't available, our sister brand...



Solar Lighting™

### Consider Solar Power with 360 Solar Lighting™

Through our sister brand, 360 Solar Lighting™, we offer a full range of solar court lights, street lights, bollards, and custom solar lighting systems. Designed for reliable performance in outdoor environments, these solutions enhance safety while supporting long-term sustainability.

Learn more at [360solarlighting.com](https://360solarlighting.com)

While Duvon™ specializes in high-performance, grid-powered LED solutions for sports, commercial, and infrastructure projects, 360 Solar Lighting™ operates as a fully independent brand dedicated exclusively to solar-powered systems.



Solar Lighting™

a DUVON Company