

DUVON™

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





Fixture Specifications & Build Quality

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 & 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 w/ advanced thermal management
- IP66-rated for long-term outdoor reliability
- Rated for 100,000+ hours (L70)

Certified & Community-Friendly

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



PATRIOT

100W / 150W / 200W
Nichia & Inventronics



PROCOURT

300W / 400W
Nichia & Inventronics



FREEDOM

600W / 800W
Nichia & Inventronics



UNION

400W / 600W
Osram & Inventronics
For large court facilities & retrofits



IES Class Overview and Description			
IES Class	Typical Illuminance Range	Synopsis (Plain Language)	Recommended Level of Play
Class I	100+ fc	Broadcast-level lighting designed for professional competition and media coverage. Rarely required for clubs.	Professional events, televised competition
Class II	75 fc	High-quality competitive lighting with excellent uniformity and visibility for faster play and spectators.	Competitive club matches, tournaments, advanced league play
Class III	50 fc	Balanced lighting that supports consistent ball tracking and comfortable night play without over-lighting.	Club play, leagues, lessons, clinics, member evening use
Class IV	30 fc	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

IES Pickleball Lighting Class Overview

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.

Strategic Multi-Court Layout Design

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.



Smart Lighting Control Systems for Multi-Court Facilities		
Feature	What It Means	Why It Matters for Multi-Court Clubs
Court Zoning	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.
Individual Court Control	Lights can be turned on/off per court or court group.	Ideal for staggered play times, lessons, and partial facility use.
Dimming Capability	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.
Usage-Based Light Levels	Preset dimming levels for different activities (lessons, league play, tournaments).	Matches light levels to actual play requirements without manual adjustment.
Mobile App Control	Smartphone or tablet access to lighting controls.	Allows pros and staff to manage lighting quickly from anywhere on site.
Desktop / Web Dashboard	Centralized browser-based control from a computer.	Simplifies management of multiple courts from one interface.
Remote Access	Lighting can be controlled off-site.	Enables after-hours management and reduces unnecessary staff call-backs.
Scheduling & Automation	Automatic on/off schedules by time, day, or season.	Prevents lights from being left on and reduces staff workload.
Security & Permissions	User access levels for staff, pros, or management.	Prevents unauthorized changes and simplifies accountability.

For projects requiring scheduling, monitoring, and zoning, intelligent control solutions allow facilities to manage lighting operation, optimize performance, and reduce energy use once the system is selected.





Turnkey Design, Multi-Court Value

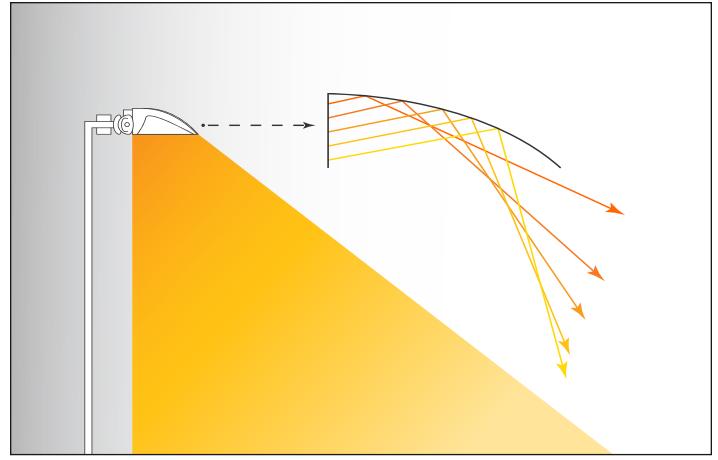
Design-Build Expertise & Value Engineering

A Trusted Lighting Partner to Court Builders

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.





Duvon Dark Sky Compliant

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.

Zero Uplight (0% ULOR)

True full cutoff. Only your court is lit.

Indirect, Asymmetric

Precision optic reflector design.

Glare & Spill FREE

Sharp, glare-free visibility.

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.

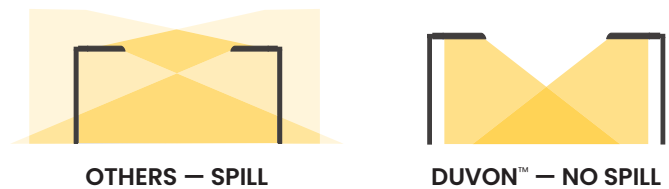
Precision Beam Control & Spill Reduction

Why Indirect Lighting Elevates Club Play

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
- 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.



The Court Solar Series

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



Solar Lighting™

Consider Solar Power with 360 Solar Lighting

A Duvon Company

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://www.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.

