ENERGYWISE RVUE

TENNIS - PICKLEBALL - PADEL / SPORTS VENUES / PARKS & RECREATION



UNMATCHED PERFORMANCE
The ENERGYWISE RVUE, at 648 watts, achieves United States Tennis Association "Level II" 75-foot-candle average performance with less than 1.75 maximum-to-minimum uniformity in the extended primary playing area, using eight fixtures spaced thirty feet apart.

Engineered specifically for court lighting, the Energywise RVUE can replace traditional 1000-watt metal halide court fixtures while reducing energy use by approximately 45%. In many applications, it can deliver 3–4 times the existing light levels evenly across the court while using the same existing fixture arms and poles.

The Energywise RVUE also provides a 30% or greater photometric light-level advantage compared to many competing fixtures at the same wattage across the court.

GLARE & LIGHT TRESPASS SENSITIVITY
The Energywise RVUE fixture is designed to create one of the most environmentally sensitive court lighting systems available. Its recessed and concealed light source sits 3 inches above the bottom plane of the fixture, helping reduce neighborhood glare, dark-sky glare, and unwanted light trespass.

Player disability glare is also significantly reduced, allowing players to compete with better visibility and comfort. The Energywise RVUE is endorsed by Dr. David Crawford, Founder of the International Dark-Sky Association.

TRACK RECORD
The Energywise RVUE fixture is one of America's most widely installed court lighting fixtures, with installations at more than 300 prestigious tennis, pickleball, and multi-court facilities across the nation.

RELIABILITY
The Energywise RVUE is made in America and built for long-term performance. The fixture is die cast, 3G vibration rated, IP66 rated against dust and water, IK08 impact resistant, and includes a low-iron safety glass lens, standard 20kA surge protection, and a durable powder-coated finish.

The Energywise RVUE is L70 depreciation rated at more than 120,000 hours and does not use plastic, acrylic, or polycarbonate lenses that can yellow over time and contribute to rapid LED depreciation.

The driver compartment and LEDs are also separated, helping reduce heat transfer so one component does not negatively affect the life or output of the other.

SERVICE
The Energywise RVUE is cost competitive, supply-chain friendly, and supported by short shipping lead times measured in days and weeks.

PRODUCT & SPECIFICATION FEATURES

- Ideally suited for tennis clubs, pickleball clubs, universities, high schools, residential communities, public parks, and private court applications.
- Designed as a high-performance replacement for earlier court-lighting fixture generations, offering improved light output, efficiency, and uniformity.
- The Energywise RVUE delivers up to 87,000 lumens, with an approximate fixture weight of 58 lbs. and EPA of 1.04.
- Uses a patented concealed optic system designed to reduce glare, improve uniformity, and direct light more effectively onto the playing surface.
- Optimized sports optic designed specifically for tennis and pickleball court applications.
- Available in 192L and 224L LED configurations.
- Standard color temperature options include 3000K, 4000K, and 5000K CCT, using multichip high-power 70 CRI LEDs.
- IP66 rated for protection against dust and water ingress.
- IK08 rated for impact protection.
- Standard 20kA surge protection, available for 120V–480V applications.
- High-quality 0–10V programmable dimming LED drivers.
- Driver compartment is physically separated from the LED light source to help manage heat and support long-term performance.
- Easy retrofit design allows the Energywise RVUE to slip over many existing tennis arms or bolt to existing poles with 1.5G to 3G vibration-rated mounting options.
- Compatible mounting options include poles, straight rectangular tennis arms, radius davit arms, bolt-on architectural sweep arms, knuckle mounts, and trunnion mounts, all available with matching finishes.
- Available in ten standard finishes, with marine-grade and custom finishes also available.
- Optional step dimming and motion-sensing controls are available to support additional energy savings, neighborhood compliance, event atmosphere, or maintaining consistent light levels throughout the life of the product.
- Die-cast aluminum housing for strength, durability, and long-term reliability.
- Environmentally responsible product design that helps reduce energy consumption compared to traditional court-lighting systems.
- L70 depreciation factor rated at greater than 120,000 hours, helping maintain usable light output over an extended service life.
- Concealed optical system helps shield the light source from neighboring properties, wildlife, and the dark sky while reducing glare for players on the court.
- Buy America(n) compliant: completely designed, fabricated, powder coated, and assembled in the USA.
- Custom BKGN black/green architectural finish available by factory request.
- Experienced in-house tennis and pickleball design team provides layout and photometric design support based on USTA and National Pickleball Association published lighting criteria.

PRODUCT SPECIFICATIONS

ELECTRICAL

- 120-277 Volts (UNV) or 347-480 Volts (HV)
- 0-10V dimming driver
- Driver power factor at maximum load is ≥ .95, THD maximum load is 15%
- LED Drivers Ambient Temp. Min is -40°C and Ambient Temp. Max ranges from 50°C to 55°C and, in some cases, even higher. Consult the factory for revalidation by providing the fixture catalog string before quoting and specifying it.
- All internal wiring UL certified for 600 VAC and 105°C
- All drivers, controls, and sensors housed in separate IP66 compartment
- CRI 70
- Color temperature: 3000K, 4000K, and 5000K available
- Surge Protection: 20kA supplied as standard.

CONSTRUCTION

- Die Cast Aluminum
- External cooling fins
- Corrosion resistant external hardware
- One-piece silicone gasket ensures IP66 seal for electronics compartment

OPTICS

Recessed Star Power™ Optical System is 95% reflective material. Utilizes a linear diffused pattern, softening the light distribution and eliminating any dark shadows or striations.

CONTROL OPTIONS

- **FSP-211 w/Motion Sensor/Photocell (120/277VAC, 230-240VAC)**
  (FSP-X) - Passive infrared (PIR) sensor providing multi-level control based on motion/daylight contribution.
- **FSP-221 w/Motion Sensor/Photocell (100-347VAC, 208/230/480VAC)**
  (FSP-HV-X) - Passive infrared (PIR) sensor providing multi-level control based on motion/daylight contribution.
  - All control parameters adjustable via wireless configuration remote storing and transmitting sensor profiles.
  - Party Setting Available (10% output) Consult Factory
  - FSP-8 mounting heights 8 feet and below
  - FSP-20 mounting heights 9-20 feet.
  - FSP-40 mounting heights 21-40 feet.
  - Can maintain constant foot candles over time. Consult Factory
  - Includes 5 dimming event cycles, 0-10V dimming with motion sensing, re-programmable in the field. Programmable remote must be purchased separately.
  - FSIR-100 commissioning remote is required to change sensor settings. Please contact factory for ordering.
- Controls Agnostics: Please contact factory for your preferred controls option.
- NEMA 7-PIN RECEPTACLE (PE7) - An ANSI C136.41-2013 receptacle provides electrical and mechanical interconnection between photo control cell and luminaire. Dimming receptacle available two or four dimming contacts supports 0-10 VDC dimming methods or Digital Addressable Lighting Interface (DALI), providing reliable power interconnect.
- RECEPTACLE + SHORTING CAP (PER) - 7-Pin Receptacle and Shorting Cap.

OPTIONS

- BIRD SPIKES (BS) - Offer an effective and humane deterrent for larger bird species and provide a cost-effective long-term solution to nuisance bird infestations and to protect your property.
- MARINE GRADE FINISH (MGF) - A multi-step process creating a protective finishing coat against harsh environments. Chemically washed in a 5-stage cleaning system. Pre-baked, Powder coated 3-5 mils of Zinc Rich Super Durable Polyester Primer. Oven Baked. Finished Powder Coating of Super Durable Polyester Powder Coat 3-5 mil thickness.
- ROUND POLE ADAPTER (RPA) - When using round poles, specify Round Pole Adapter (RPA). Specify RPA4 when installing on 3"-4" round poles, and RPA5 when installing on 5"-6" round poles.
- House Side Shield (HSS) is designed for full property line cutoff.
- Front Side Shield (FSS) is designed to reduce glare.

FINISH

- 3-5 mil electrostatic powder coat.
- NLS Lighting standard high-quality finishes prevent corrosion, and protects against extreme environmental conditions.
- 10 Standard Finishes, Custom Finish and Marine Grade Finish Available

WARRANTY

- Five-year limited warranty for drivers and LEDs.
- Consult Factory for 7 or 10 year warranty.

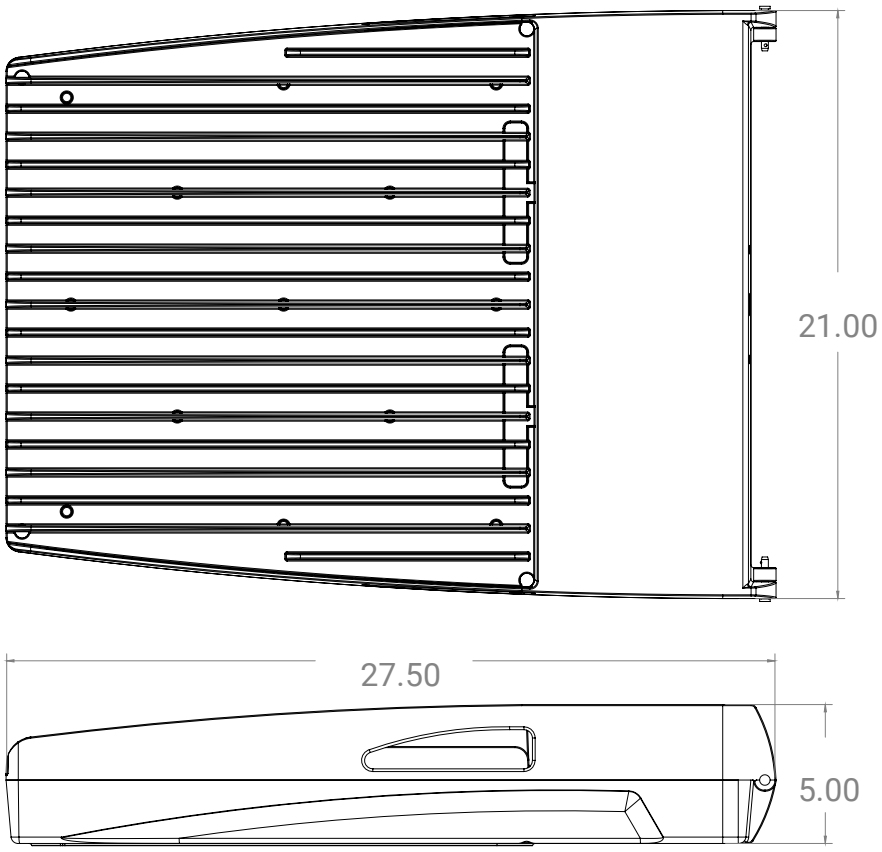
LISTINGS

- UL Listed in compliance with UL 1598, the Standard for Safety of Luminaires, including the applicable wet location requirements.
- Compliant with UL 8750 LED driver design and test safety standards.
- CSA C22.2 No. 250.0
- IP66 Rated Fixture
- 1.5G Vibration Rated - Knuckle Mount
- 1.5G Vibration Rated - Direct Pole Mount
- 3G Vibration Rated - Trunnion Mount
- IK08 Rated
- IDA Sky Approved
- DLC Approved
- USTA Approved Pending



The information and specifications on this document are subject to change without any notification. All values are design, nominal, or typical or prorated values when measured under internal and external laboratory conditions.

PRODUCT SPECIFICATIONS



Weight: 58 lbs