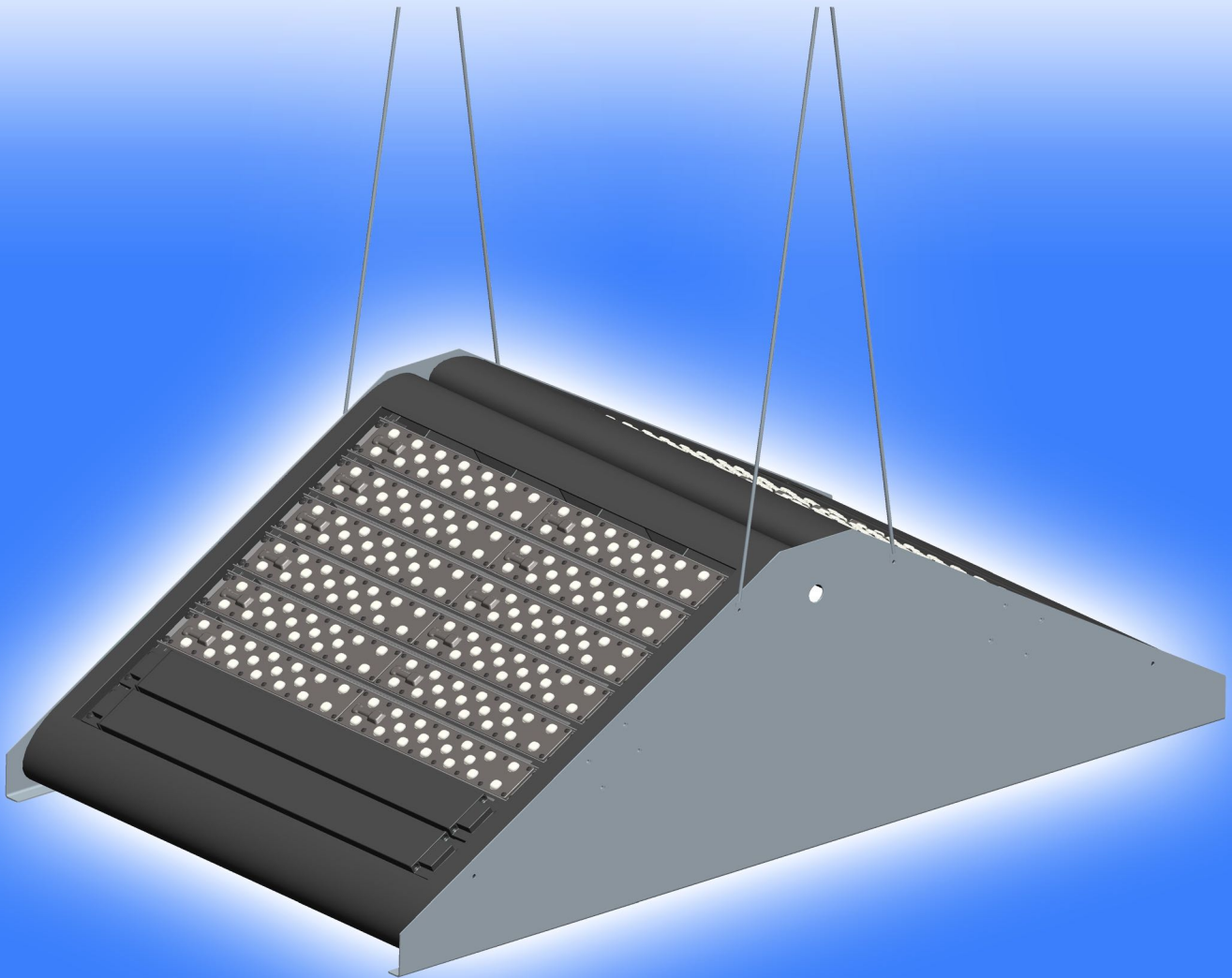




LumenSPORT

TENNIS SERIES

By SES Lighting®



**SPORTS LIGHTING
INDIRECT LED FIXTURE**

LUMEN SPORT SERIES FEATURES & BENEFITS

01. HOUSING

- Die cast aluminum housing.
- Modular design allows for easy installation, replacement and maintenance.
- Slim & low profile design that minimizes wind load.
- IK08 rated.

02. FINISH

- Corrosion resistant polyester powder painted 100µm thickness.
- Meets a 1000-hour salt spray certification per ASTM B117/ISO 9227:2012.
- Standard colors: Grey, Black, Bronze and White.
- Customized colors are available.

03. LED & OPTICAL ASSEMBLY

- Each PCB are mounted with a TVS (Transient Voltage Suppressors) to protect the LEDs from voltage transients induced by lightning and other transient voltage events.
- High-uniformity LED optics are constructed of durable optical polycarbonate that is impact and UV resistant.
- The metal plate provides double protection for the LED light engine and prolongs LED optics life.
- Over 15 optical lenses are available for virtually any application.
- Each LED module are 100% tested prior to assembly which is IP67 rated.

04. MOUNTING

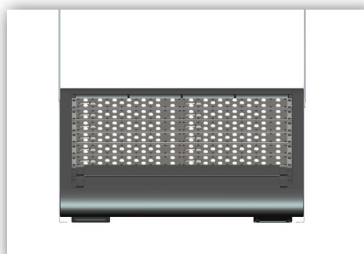
- Adjustable arm that mounts to a horizontal or vertical 2 3/8" (60mm) O.D. tenon. Tenon length must be a minimum of 4.72" (120mm).
- -60~+30 degree or -90~+0 degree of adjustment for leveling when horizontally mounted.

05. Electrical/ Key Components/ Controls

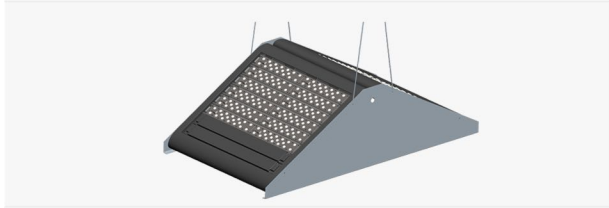
- 450/600/750/900W
- 120-277VAC and 347-480VAC available.
- Surge protection to 20kV/10kA per ANSI/IEEE C62.41.2-2002 available.
- High quality LEDs, driver and components, e.g. MOLEX, WAGO connectors.

06. Product Certifications

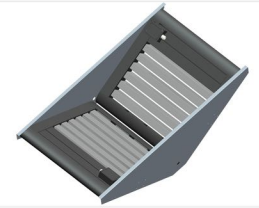
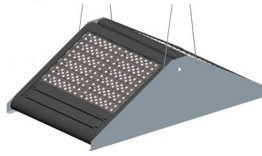
- UL/ CUL/ DLC/ LM79/ SAA/ CB/ CE/ IK08/ RoHS
(Not all products are qualified on the DLC QPL. To view our DLC qualified products, please consult the DLC Qualified Products List at www.designlights.org)



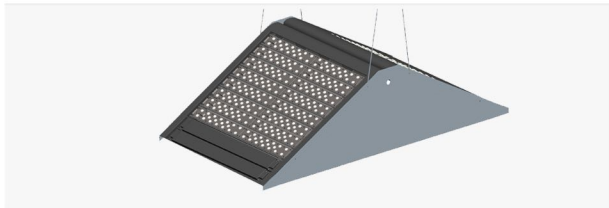
PRODUCT MODEL



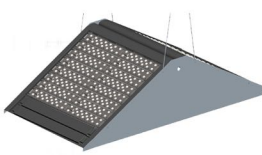
| | | | |
|-------------|---------------|--------------------|---------------------------------------|
| Model | SESLSTS-I-450 | Net Weight | 36.78kg (81.08lbs) |
| LED Modules | 12 | Gross Weight | 42.56kg (93.82lbs) |
| LEDs | 432 | Product Dimensions | 766x634.5x70mm 30.16"x24.98"x2.76" |



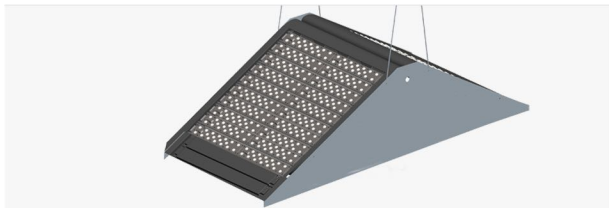
| Model No. | System Power | Voltage | Drive Current | Luminous Flux | | Efficacy (lm/W) |
|---------------|--------------|------------|---------------|---------------|-------------|-----------------|
| | | | | 3000K | 4000 /5000K | |
| SESLSTS-I-450 | 900W | 120-277VAC | 1400mA | 112024lm | 124470lm | 135 |
| SESLSTS-I-450 | 900W | 347-480VAC | 1400mA | 112024lm | 124470lm | 135 |



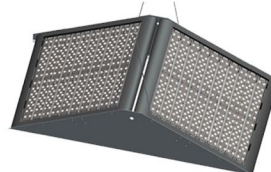
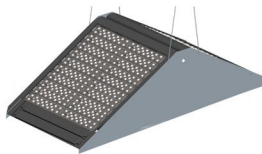
| | | | |
|-------------|---------------|--------------------|---------------------------------------|
| Model | SESLSTS-I-600 | Net Weight | 44.00kg (93.82lbs) |
| LED Modules | 16 | Gross Weight | 52.86g (106.54lbs) |
| LEDs | 537 | Product Dimensions | 885x634.5x70mm 34.84"x24.98"x2.76" |



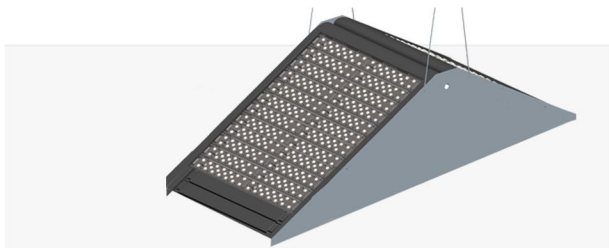
| Model No. | System Power | Voltage | Drive Current | Luminous Flux | | Efficacy (lm/W) |
|---------------|--------------|------------|---------------|---------------|-------------|-----------------|
| | | | | 3000K | 4000 /5000K | |
| SESLSTS-I-600 | 1200W | 120-277VAC | 1400mA | 14920lm | 165780lm | 135 |
| SESLSTS-I-600 | 1200W | 347-480VAC | 1400mA | 14920lm | 165780lm | 135 |



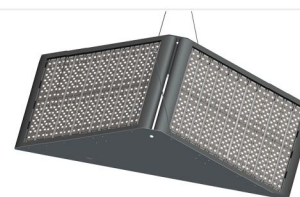
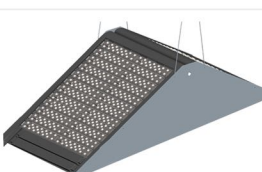
| | | | |
|-------------|---------------|--------------|---------------------|
| Model | SESLSTS-I-750 | Net Weight | 54.72kg (118.64lbs) |
| LED Modules | 20 | Gross Weight | 60.00kg (132.28lbs) |
| LEDs | 720 | | |



| Model No. | System Power | Voltage | Drive Current | Luminous Flux | | Efficacy (lm/W) |
|---------------|--------------|------------|---------------|---------------|-------------|-----------------|
| | | | | 3000K | 4000 /5000K | |
| SESLSTS-I-750 | 1500W | 120-277VAC | 1400mA | 189868lm | 207630lm | 135 |
| SESLSTS-I-750 | 1500W | 347-480VAC | 1400mA | 189868lm | 207630lm | 135 |



| | | | |
|-------------|---------------|--------------------|--|
| Model | SESLSTS-I-900 | Net Weight | 59.80kg (131.84lbs) |
| LED Modules | 24 | Gross Weight | 67.26kg (148.28lbs) |
| LEDs | 864 | Product Dimensions | 1185x634.5x70mm 46.65"x24.98"x2.76" |



| Model No. | System Power | Voltage | Drive Current | Luminous Flux | | Efficacy (lm/W) |
|---------------|--------------|------------|---------------|---------------|-------------|-----------------|
| | | | | 3000K | 4000 /5000K | |
| SESLSTS-I-900 | 1800W | 120-277VAC | 1400mA | 224452lm | 249480lm | 135 |
| SESLSTS-I-900 | 1800W | 347-480VAC | 1400mA | 224452lm | 249480lm | 135 |



TECHNICAL PARAMETERS

| | |
|-----------------------|---|
| Power | 900-1800W |
| Input | 120-277VAC or 220-240VAC or 347-480 VAC |
| PF | >0.95 |
| THD | <20% |
| L70/L90 | >200,000H/>60,000H |
| Operating Temperature | -40°C ~ +50°C |
| Typical Efficacy | 120-160lm/W |
| ANSI CCT | 3000K/4000K/5000K/5700K |
| Min CRI | 70* or 80 or 90 |

| | |
|---------------------------|---|
| IP Rating | IP67 |
| SPD | Optional |
| Certificate/Qualification | UL/ CUL/ DLC/ LM79/ SAA/ CB/ CE/ IK08/ RoHS |
| DALI | Optional |
| 1-10V | Optional |
| Photocell | Optional |
| Smart Control | Optional |
| Optic (IESNA) | Type I, Type II, Type III, Type IV, Type V |
| Color Options | Grey/Black/Bronze/White |

* Standard

ORDERING INFORMATION

| MOUNTING | OPTIC LENS | CCT (ANSI) | OPTIONAL COLOR | LIGHTING CONTROL | ACCESSORY INFO |
|----------|---------------------------------------|----------------------|------------------------------------|----------------------------|-----------------------------------|
| L | T1M Type I Medium | 30K 3045 | ★ BK Black (RAL:9011) | 00 Not required | 10KA/20KA Surge Protection Device |
| | T2M Type II Medium | ±175K | | 01 Motion Sensor | |
| | T3M Type III Medium | ★ 40K 3985 | GR Grey (RAL:7004) | | Back Light Shield |
| | T3L Type III Long | ±275K | | | |
| | T4S Type IV Short | ★ 50K 5028 | BZ Bronze (RAL:8019) | | |
| | T4M Type IV Medium | ±283K | | | |
| | T5M Average beam angle 90° | 57K | WH White (RAL:9010) | | |
| | T5L Average beam angle 120° | | | | |
| | T5X Average beam angle 150° | | | | |

* DALI & Motion sensor unavailable

★ Regularly stocked item

● Example: SESLSTS-I-900-L-T5S-40K-BK-05

CUSTOMIZED SOLUTIONS

01. 3/5/7 -pin NEMA Receptacle+Shorting Cap/Photocell



02. Separate Driver Module



03. Lighting Control System

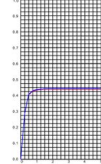
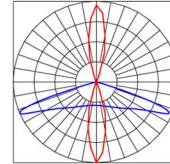
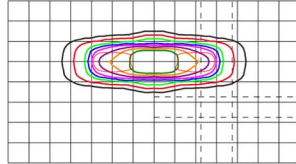


ACCESSORIES OPTICS

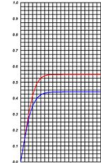
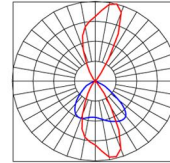
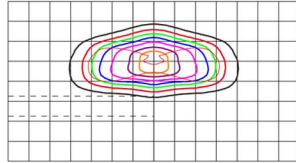
ISO Plot

Polar Curve

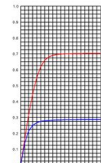
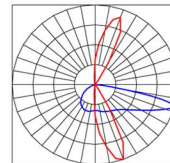
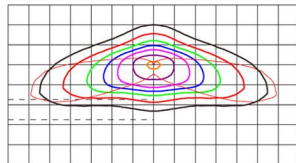
Cu Graph



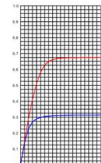
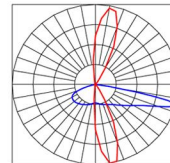
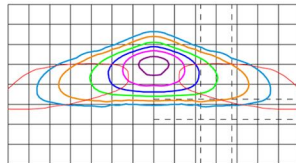
T1M Type I Medium



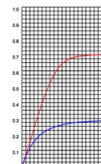
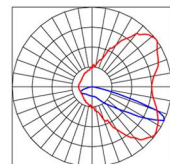
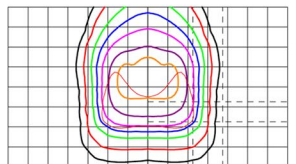
T2M Type II Medium



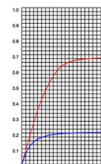
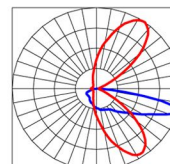
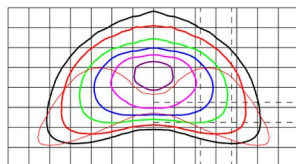
T3M Type III Medium



T3L Type III Long



T4S Type IV Short



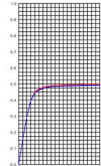
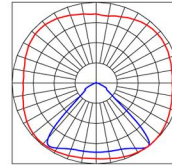
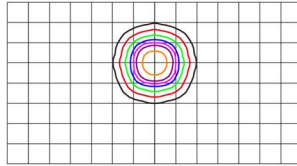
T4M Type IV Medium

ACCESSORIES OPTICS

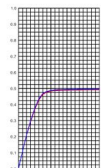
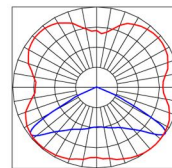
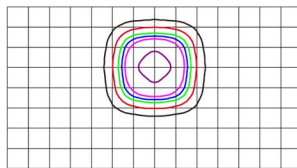
ISO Plot

Polar Curve

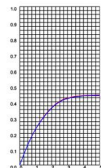
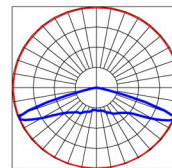
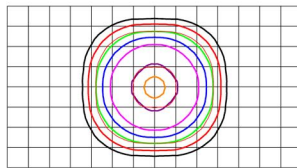
Cu Graph



T5M Average beam angle 90°



T5L Average beam angle 120°



T5X Average beam angle 150°