



LumenSPORT

TENNIS SERIES

By SES Lighting®



**SPORTS LIGHTING
DIRECT LED AREA 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

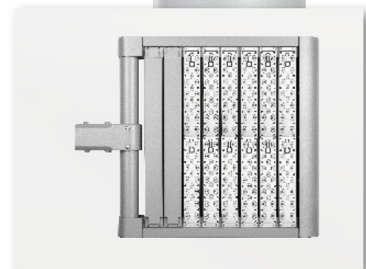
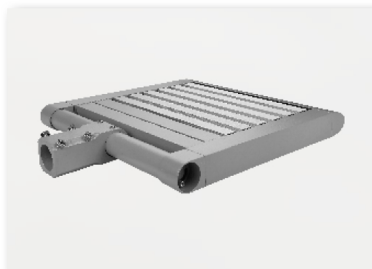
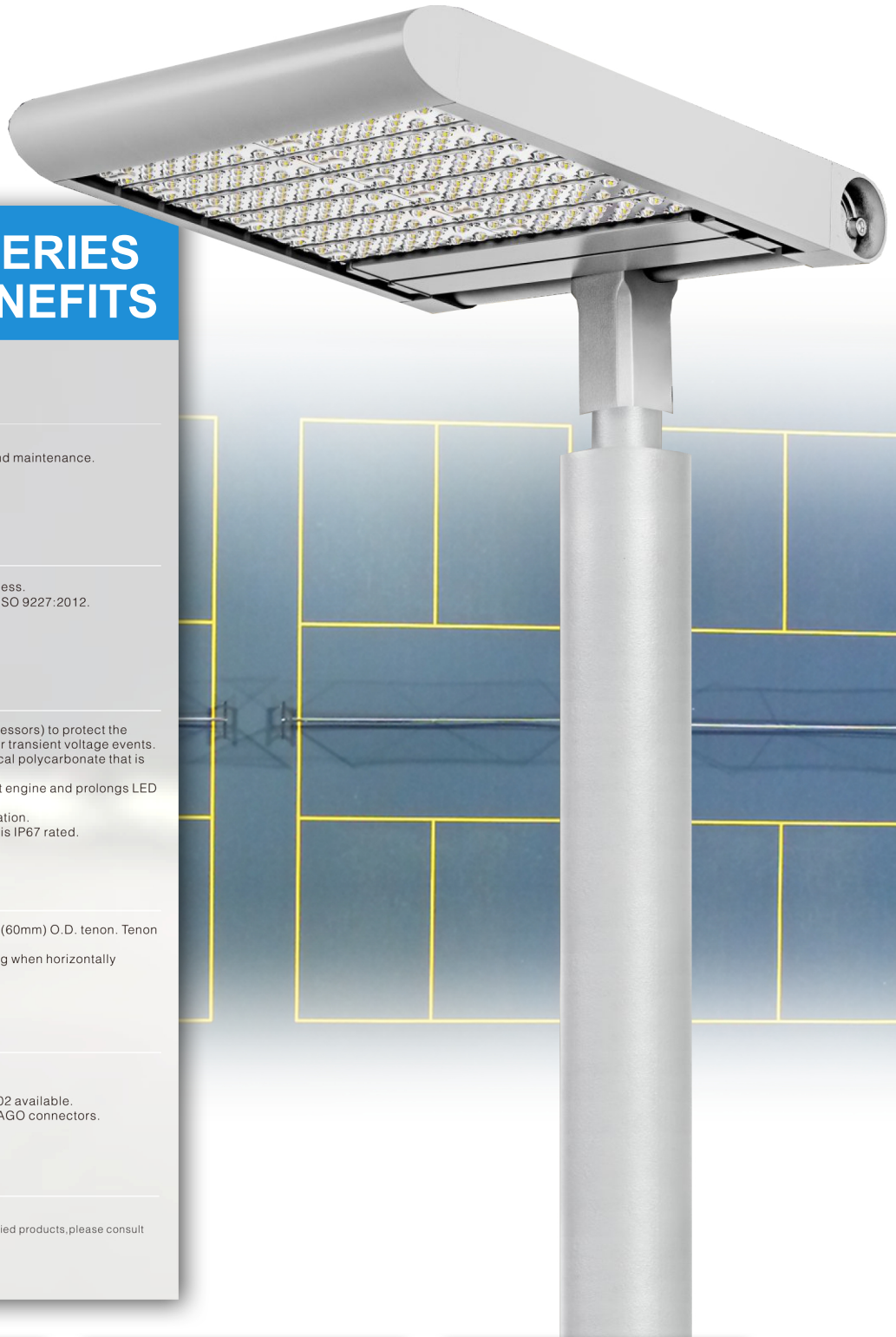
- Adjustable arm that mounts to a horizontal or vertical 2 3/8" (60mm) O.D. tenon. Tenon length must be a minimum of 4.72" (120mm).
- -60~+30 degree or -90~+0 degree of adjustment for leveling when horizontally mounted.

05. Electrical/ Key Components/ Controls

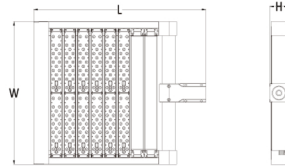
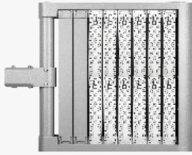
- 450/600/750/900W
- 120-277VAC and 347-480VAC available.
- Surge protection to 20kV/10kA per ANSI/IEEE C62.41.2-2002 available.
- High quality LEDs, driver and components, e.g. MOLEX, WAGO connectors.

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)

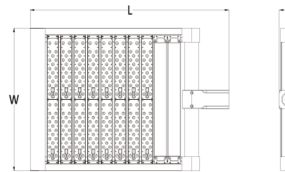
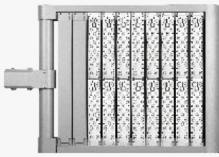


PRODUCT MODEL



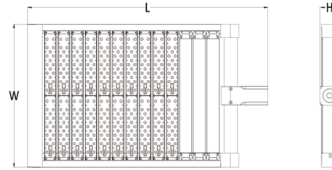
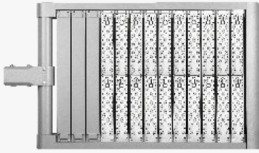
| | | | |
|-------------|---------------|--------------------|---------------------------------------|
| Model | SESLSTS-D-450 | Net Weight | 18.39kg(40.54lbs) |
| LED Modules | 6 | Gross Weight | 21.28kg(46.91lbs) |
| LEDs | 216 | Product Dimensions | 766x634.5x70mm 30.16"x24.98"x2.76" |
| EPA(sq.ft.) | 0.67 | Carton Dimensions | 833x730x170mm 32.80"x28.74"x6.69" |

| Model No. | System Power | Voltage | Drive Current | Luminous Flux | | Efficacy (lm/W) |
|---------------|--------------|------------|---------------|---------------|-------------|-----------------|
| | | | | 3000K | 4000 /5000K | |
| SESLSTS-D-450 | 461W | 120-277VAC | 700mA | 56012lm | 62235lm | 135 |
| SESLSTS-D-450 | 461W | 347-480VAC | 700mA | 56012lm | 62235lm | 135 |



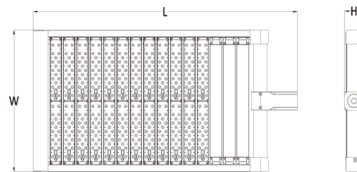
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|-------------|---------------|--------------------|---------------------------------------|
| Model | SESLSTS-D-600 | Net Weight | 22.00kg(48.50lbs) |
| LED Modules | 8 | Gross Weight | 26.43kg(58.27lbs) |
| LEDs | 288 | Product Dimensions | 885x634.5x70mm 34.84"x24.98"x2.76" |
| EPA(sq.ft.) | 0.735 | Carton Dimensions | 953x730x170mm 37.52"x28.74"x6.69" |

| Model No. | System Power | Voltage | Drive Current | Luminous Flux | | Efficacy (lm/W) |
|---------------|--------------|------------|---------------|---------------|-------------|-----------------|
| | | | | 3000K | 4000 /5000K | |
| SESLSTS-D-600 | 614W | 120-277VAC | 700mA | 74601lm | 82890lm | 135 |
| SESLSTS-D-600 | 614W | 347-480VAC | 700mA | 74601lm | 82890lm | 135 |



| | | | |
|-------------|---------------|--------------------|--|
| Model | SESLSTS-D-750 | Net Weight | 27.36kg(60.32lbs) |
| LED Modules | 10 | Gross Weight | 30.00kg(66.14lbs) |
| LEDs | 360 | Product Dimensions | 1065x634.5x70mm 41.93"x24.98"x2.76" |
| EPA(sq.ft.) | 0.843 | Carton Dimensions | 1133x730x170mm 44.61"x28.74"x6.69" |

| Model No. | System Power | Voltage | Drive Current | Luminous Flux | | Efficacy (lm/W) |
|---------------|--------------|------------|---------------|---------------|-------------|-----------------|
| | | | | 3000K | 4000 /5000K | |
| SESLSTS-D-750 | 769W | 120-277VAC | 700mA | 93434lm | 103815lm | 135 |
| SESLSTS-D-750 | 769W | 347-480VAC | 700mA | 93434lm | 103815lm | 135 |



| | | | |
|-------------|---------------|--------------------|--|
| Model | SESLSTS-D-900 | Net Weight | 29.90kg(65.92lbs) |
| LED Modules | 12 | Gross Weight | 33.63kg(74.14lbs) |
| LEDs | 432 | Product Dimensions | 1185x634.5x70mm 46.65"x24.98"x2.76" |
| EPA(sq.ft.) | 0.919 | Carton Dimensions | 1253x730x170mm 49.33"x28.74"x6.69" |

| Model No. | System Power | Voltage | Drive Current | Luminous Flux | | Efficacy (lm/W) |
|---------------|--------------|------------|---------------|---------------|-------------|-----------------|
| | | | | 3000K | 4000 /5000K | |
| SESLSTS-D-900 | 924W | 120-277VAC | 700mA | 112266lm | 124740lm | 135 |
| SESLSTS-D-900 | 924W | 347-480VAC | 700mA | 112266lm | 124740lm | 135 |



TECHNICAL PARAMETERS

| | |
|-----------------------|---|
| Power | 450-900W |
| 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 | Bird Spike |
| | T2M Type II Medium | ±175K | | 01 Photocell | 10KA/20KA Surge Protection Device |
| | T3M Type III Medium | ★ 40K 3985 | GR Grey (RAL:7004) | 02 Motion Sensor | Back Light Shield |
| | T3L Type III Long | ±275K | | 03 Photocell + Motion Sensor | Safety Cable |
| | T4S Type IV Short | ★ 50K 5028 | BZ Bronze (RAL:8019) | 04 DALI | |
| | T4M Type IV Medium | ±283K | | | |
| | T5U Average beam angle 10° | 57K 5665 | WH White (RAL:9010) | 05 1-10V dimming | |
| | T5V Average beam angle 25° | ±355K | | | |
| | T5W Average beam angle 40° | | | | |
| | T5S Average beam angle 60° | | | | |
| | T5M Average beam angle 90° | | | | |
| | T5L Average beam angle 120° | | | | |
| | T5X Average beam angle 150° | | | | |
| | T5D Diffuser | | | | |

* DALI & Motion sensor unavailable

★ Regularly stocked item

● EXAMPLE: SESLSTS-D-900-L-T5S-40K-BK-05

CUSTOMIZED SOLUTIONS

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



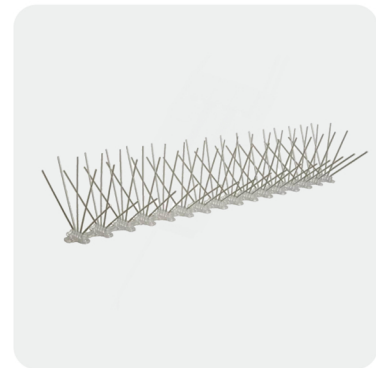
02. Separate Driver Module



03. Backlight Shield



04. Bird Spikes



05. Lighting Control System

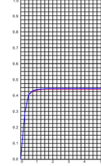
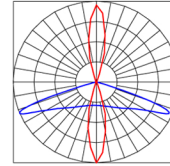
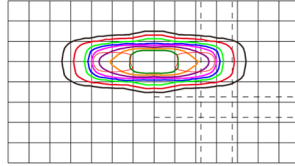


ACCESSORIES OPTICS

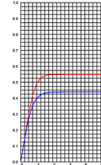
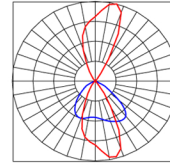
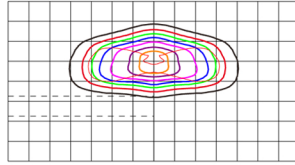
ISO Plot

Polar Curve

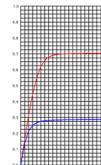
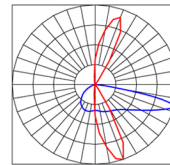
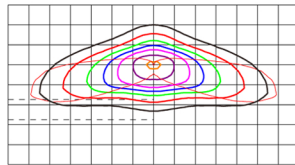
Cu Graph



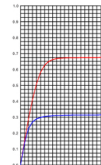
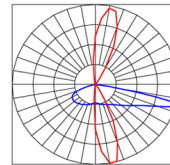
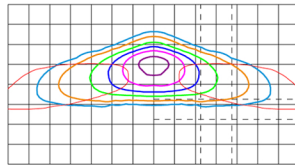
T1M Type I Medium



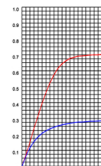
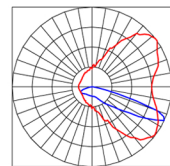
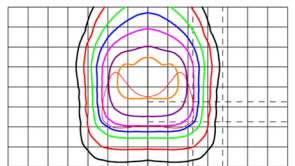
T2M Type II Medium



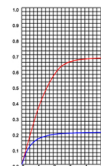
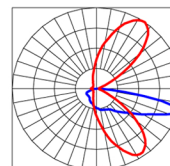
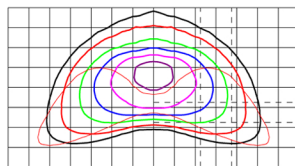
T3M Type III Medium



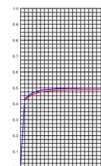
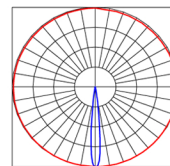
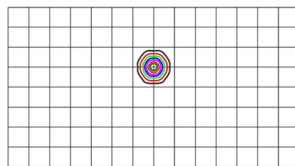
T3L Type III Long



T4S Type IV Short


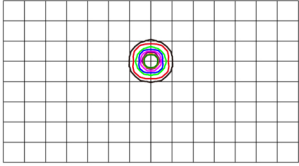
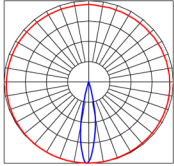
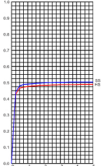

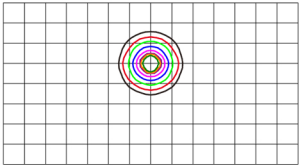
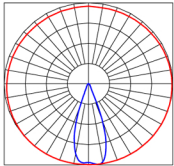
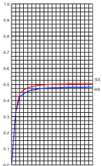

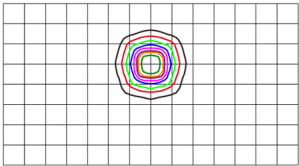
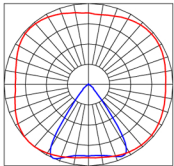
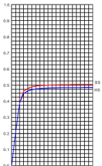

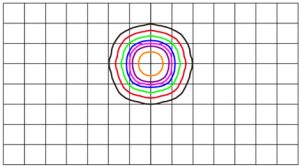
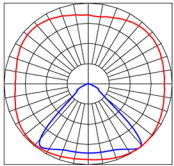
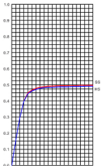

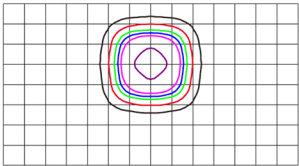
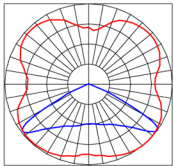
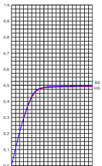

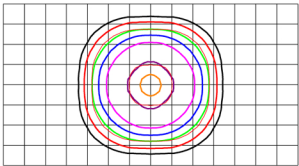
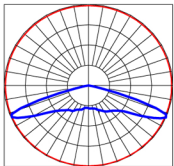
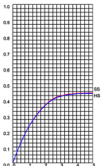

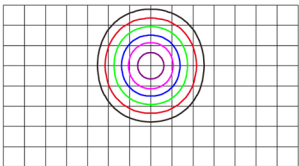
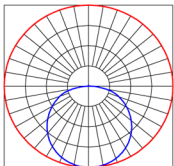
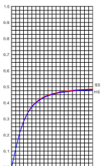


T4M Type IV Medium



T5U Average beam angle 10°

ACCESSORIES OPTICS

| | ISO Plot | Polar Curve | Cu Graph |
|---|---|---|---|
|  |  |  |  |
| | T5V Average beam angle 25° | | |
|  |  |  |  |
| | T5W Average beam angle 40° | | |
|  |  |  |  |
| | T5S Average beam angle 60° | | |
|  |  |  |  |
| | T5M Average beam angle 90° | | |
|  |  |  |  |
| | T5L Average beam angle 120° | | |
|  |  |  |  |
| | T5X Average beam angle 150° | | |
|  |  |  |  |
| | T5D Diffuser | | |