

JSLP SERIES

PREMIUM SPORTS LIGHTING



PRODUCT DESCRIPTION

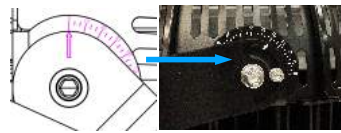
The JSLP Sports Lighting series is an economical and energy efficient solution for high levels of illumination over large areas including sports facilities, industrial complexes, transportation and shipping terminal areas.

The JSLP series features a range of wattage and optics to accomplish any scale of site and application requirements.

All weather, rugged machined and powder coated aluminum component construction ensures maintenance free lifetime operation in cold, hot or wet environments. Standard 10VDC dimming provides for optional dimming and remote control.

FEATURES & INCLUDED ACCESSORIES

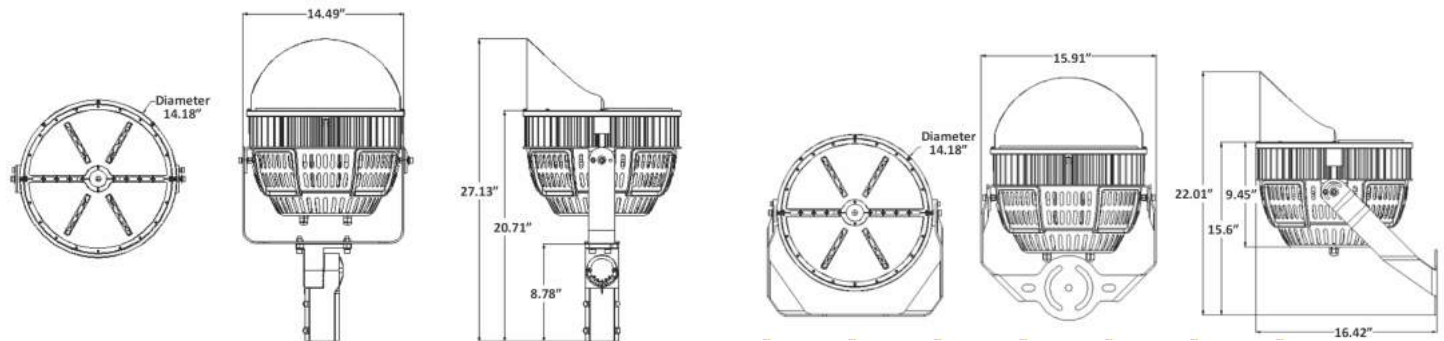
- Input voltage 100-277V/ 277-480VAC
- Adjustable Optics
- 3G Vibration tested; Rugged all weather housing
- Intelligent driver with programming options
- Driver programming via PC
- 0-10V & PWM Dimming standard. Dali optional.
- 12VDC Auxiliary output
- Efficiency up to 93%
- Custom bracket optional
- Compact size and light weight with low EPA
- Equipped with a 6FT Power Cord (12FT Power Cord Optional)
- Surge Protection: Line to line 6kV in the driver, line to ground 10kV, IEC 61000-4-50 (20KV Optional)



APPLICATIONS

- Football, Soccerball, Baseball Stadiums
- Recreational Areas, Parks & Tennis Courts
- Large Parking Lots & Airports, Seaport Terminals
- Roadway and Bridge High Mast Applications
- Refineries, Drilling Platforms & Oil Derricks

MOUNTING OPTIONS



PERFORMANCE SUMMARY

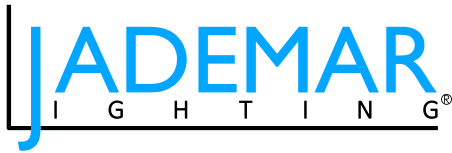
| | |
|-----------------------------|--|
| Input Power | 400W/ 500W/ 600W/ 750W/ 1000W/ 1200W |
| Efficacy | 120-145 lm/W |
| CCT Options | 4000K / 5000K |
| Construction | Machined Aluminum Al1070, Epoxy Powder Coat Finish, Polycarbonate Lens |
| Input Voltage | 100-277VAC/ 277-480VAC Optional |
| Dimming | 0-10V Dimming Standard / Dali Optional |
| Ingress Protection | IP65 |
| CRI | >80 |
| Certifications & Compliance | FCC, UL, DLC Listed |
| Surge Protection | Line to line 6kV in the driver, line to ground 10kV, IEC 61000-4-5 (20kV optional) |
| Driver Specs | 0-10V / PWM / Dim-to-Off / 12V Auxiliary Output / Timer /DALI, Over heat protection, Short Circuit protection, Programmable via PC |
| Lifetime Based on TM21 | L70 ≥283,000 Hrs / L80 ≥214,000 Hrs / L90 ≥179,000 Hrs |
| Warranty | 10 Year Limited |



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Information contained herein is subject to change without notice.
 Values are nominal.
 Revised 08/2022



SPECIFICATION SUBMITTAL DETAIL

| | | | |
|--------------------|--|-------|--|
| Project Name/Type: | | Date: | |
| Catalog/Part #: | | | |

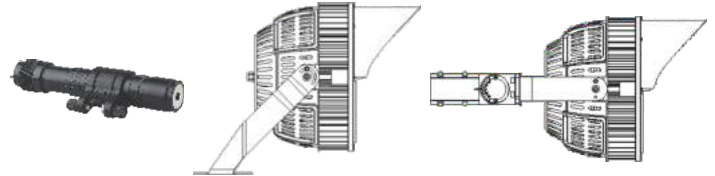
JSLP PREMIUM LED SPORTS LIGHTING SERIES

ORDERING INFORMATION / Example: **JSLP-500W-H-50K-120D-BK-V-YK-WB**

| Product Series | Wattage | Input Voltage | CCT | Optic Options | CRI | Controls & Dimming | Finish Color | Surge Protection | Visor Options | Mounting Options | Wiring | Power Cord |
|----------------|----------------|--|--|------------------------|-------------------------------|---|----------------------|--|-----------------------------------|---|---|--|
| JSLP | 400W 500W | Blank (100-277VAC) H (277-480VAC) | 40K (4000K) 50K (5000K) | 120D (30°/40°/120°) | Blank (80 CRI) Standard | Blank (0-10V Dimming) Standard | BK (Black Finish) | S (10KV Surge Protection) Standard | V (Visor Included) Standard | YK (Yoke) Standard SF (Slip Fitter) | WB (Internal Wiring Box) Standard | Blank (6FT Power Cord) Standard PWCx (Additional cord Length) Replace the "x" with length |
| | 600W 750W | | 40K (4000K) 50K (5000K) RGB-DMX* RGB-SYNAPSE* *750W Only | 40D (20°/30°/40°) | | DALI (Dali Driver) | | S20 (20KV Surge Protection) | | | | |
| | 1000W 1200W | | 40K (4000K) 50K (5000K) | 40D (20°/30°/40°) | | BMWO (Bi-Level Microwave Occupancy Sensor) | | | | | | |

FIELD INSTALLED OPTIONS

| Slipfitter Options | | Yoke Options | | Other Options | |
|--------------------|-------------|--------------|-------------|---------------|---------------|
| JSLP-SF-45 | 300W-500W | JSLP-YK-45 | 300W-500W | JSLP-LP | Laser Pointer |
| JSLP-SF-675 | 600W-750W | JSLP-YK-675 | 600W-750W | | |
| JSLP-SF-112 | 1000W-1200W | JSLP-YK-112 | 1000W-1200W | | |



ELECTRICAL & PERFORMANCE DATA TABLE

| Model | JSLP-400W | | JSLP-500W | | JSLP-600W | |
|-----------------------------------|---|----------|-------------|----------|------------|----------|
| Color Temperature (CCT) | 4000K | 5000K | 4000K | 5000K | 4000K | 5000K |
| Nominal Wattage | 400W | 400W | 500W | 500W | 600W | 600W |
| Reported Efficacy AC (Lms/W) | 135.3 | 137.09 | 134.67 | 132.01 | 128.37 | 130.4 |
| Reported Max Lumen Output (lms) | 55112.5 | 55749.5 | 67310.8 | 66039 | 76221.5 | 77430.2 |
| Power Factor | >0.9 | >0.9 | >0.90 | >0.90 | >0.90 | >0.90 |
| Color Rendering Index (CRI) | >80 | >80 | >80 | >80 | >80 | >80 |
| Total Harmonic Distribution (THD) | 15% | 15% | 15.0% | 15.0% | 15.0% | 15.0% |
| BUG Rating | B5-U3-G2 | B5-U3-G2 | B5-U3-G2 | B5-U3-G2 | B5-U4-G3 | B5-U4-G3 |
| Weight | 37.7 lbs. | | | | 71.7 lbs. | |
| Projected Area (EPA) | 1.49sq. ft. | | | | 2.5sq. ft. | |
| Lighting Distribution | 30°/40°/120° | | | | 30°/40° | |
| Model | JSLP-750W | | JSLP-1000W | | JSLP-1200W | |
| Color Temperature (CCT) | 4000K | 5000K | 4000K | 5000K | 4000K | 5000K |
| Reported Max Wattage (W) | 742.87 | 742.93 | 1003.67 | 1003.6 | 1211.88 | 1211.93 |
| Reported Efficacy AC (Lms/W) | 127.12 | 129.16 | 123.46 | 125.48 | 121.65 | 123.68 |
| Reported Max Lumen Output (lms) | 94431.4 | 95958.9 | 123910 | 125935 | 147422 | 149890 |
| Power Factor | >0.90 | >0.90 | >0.90 | >0.90 | >0.90 | >0.90 |
| Color Rendering Index (CRI) | >80 | >80 | >80 | >80 | >80 | >80 |
| Total Harmonic Distribution (THD) | 15.0% | 15.0% | 15.0% | 15.0% | 15.0% | 15.0% |
| BUG Rating | B5-U4-G3 | B5-U4-G3 | B5-U4-G4 | B5-U4-G4 | B5-U4-G4 | B5-U4-G4 |
| Weight | 71.7 lbs | | 88.2 lbs. | | | |
| Projected Area (EPA) | 2.5sq. ft. | | 3.14sq. ft. | | | |
| Lighting Distribution | 30°/40° | | 20°/30°/40° | | | |
| Driver Specs | 0-10v/PWM/Dim-to-Off/12V Auxiliary Output/Timer/DALI, Over heat protection, Short Circuit protection, Programmable Via PC | | | | | |
| Input Voltage | 100-277VAC / 277-480VAC | | | | | |
| Ambient Working Temp. | -40°F to 131°F (-20°C to 55°C) | | | | | |
| Ingress Protection (IP) | IP67 | | | | | |
| Construction | Machined Aluminum AL1070 / Polycarbonate Lens / Matte Black Powder Coat Finish | | | | | |
| Certifications & Compliance | FCC/UL/DLC Listed | | | | | |
| Lifetime Based on TM21 | L70 ≥283,000 Hrs / L80 ≥214,000 Hrs / L90 ≥179,000 Hrs | | | | | |
| Limited Warranty | 10 Yrs | | | | | |



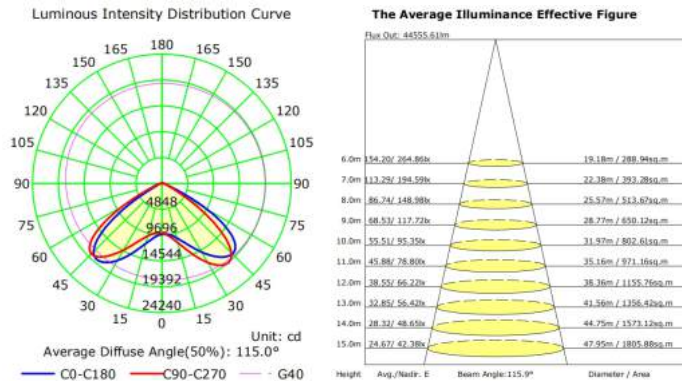
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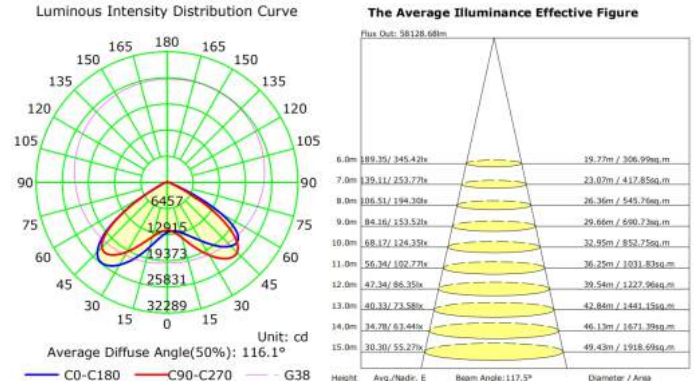
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PHOTOMETRIC DATA

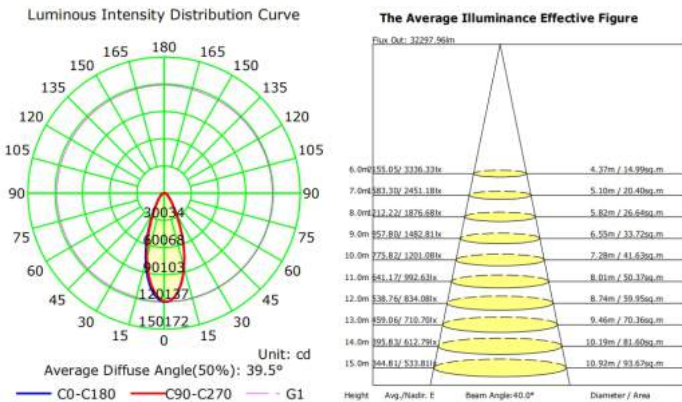
JSLP-400W



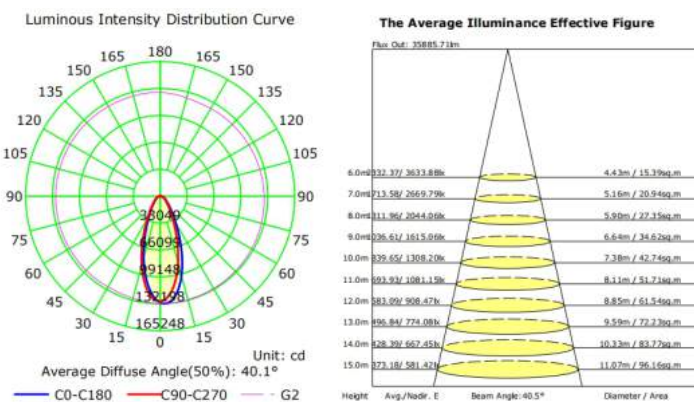
JSLP-500W



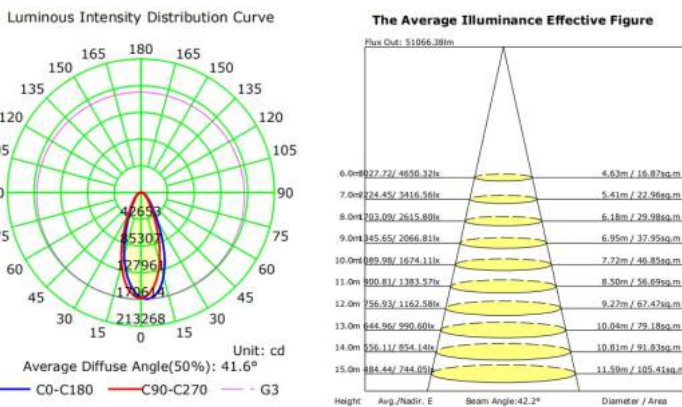
JSLP-600W



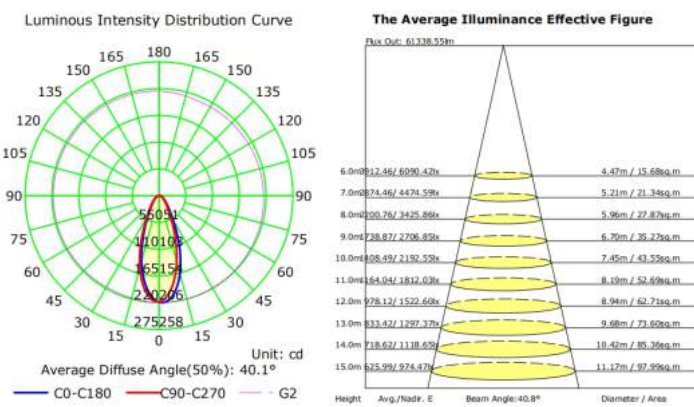
JSLP-750W



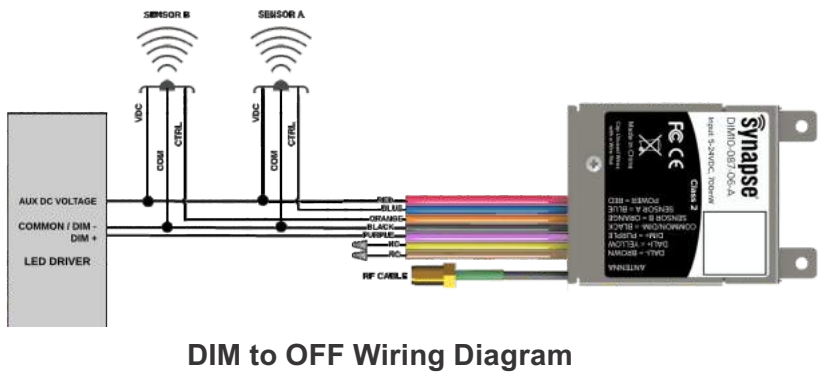
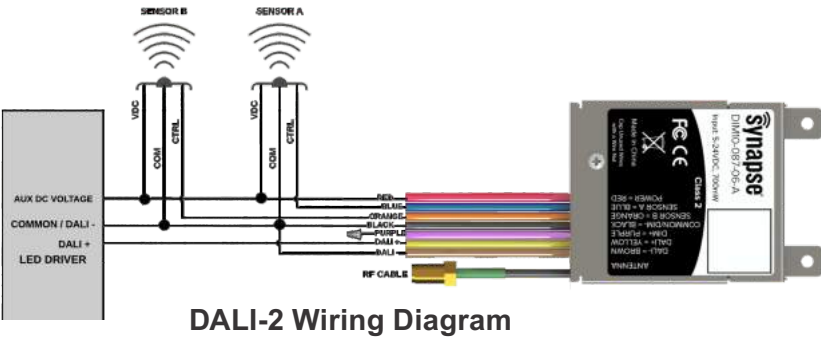
JSLP-1000W



JSLP-1200W



DIM10-087-06-A Wiring Diagram Examples



| Product # | Description |
|----------------|---|
| DIM10-087-06-A | Board in Metal Case with Wires, Antenna Extension Cable (External antenna not included) |

Specifications

| | | |
|------------------------------------|---|-----------------------------|
| Dimensions | 3.12" L x 2.21" W x .55" H (79.2 L x 56.1 W x 13.9 H mm) | |
| Input Power | 5 to 24V DC | |
| Max Current Draw | 140mA @ 5V | |
| IP Rating | IP30 | |
| Temperature | -40°C to +85°C | |
| Dimming | 0-10V, 10 mA (Max) | |
| DALI-2 | Limited to 4 LED Drivers | |
| Wire Size | 20 AWG, 7" Wires, 600V | |
| Sensor Input Specifications | Analog: 0-10V | 2 Available Software Select |
| | Digital: 0-24V | |
| Radio | SNAP 2.4GHz ; 802.15.4 +20 dBm Transmit Power -103 dBm Receive Sensitivity | |
| Certifications | UL Recognized Component; CE; FCC/IC; DLC- Indoor/Outdoor; DiiA - DALI-2 Certification (Pending) | |
| Warranty* | 5 Years | |

See www.synapsewireless.com/warranty for warranty terms

Signal/Wire Colors

| Signal | Wire Color |
|----------------|------------|
| DALI + | YELLOW |
| DALI - | BROWN |
| SENSOR INPUT B | ORANGE |
| SENSOR INPUT A | BLUE |
| POWER | RED |
| DIM + | PURPLE |
| COMMON/DIM - | BLACK |

Note: Cap Unused Wires with a Wire Nut!

Antenna Options - optional for DIM10-087-06-A model

| Part # | Description |
|---------------|---|
| ANT-ORB-1.5-1 | Outdoor Fixed Right Angle Antenna, 1.5 dBi gain |
| ANT-OSB-1.5-1 | Outdoor Straight Antenna, 1.5 dBi gain |
| ANT-ORS-5.1 | Stubby Antenna, Outdoor Right Angle |
| ANT-OSS-5.1 | Stubby Antenna, Outdoor Straight |

SimplySNAP Site Controller - required for all SimplySNAP deployments

| Part # | Description |
|-----------|---|
| SS450-002 | SimplySNAP, WiFi, Verizon LTE, Industrial Metal Enclosure |