

Organic shape and minimalist form conceals the mechanics of this high-performance luminaire, offering both volumetric and directional lighting with two light sources and infinite control options of multi-layered illumination.

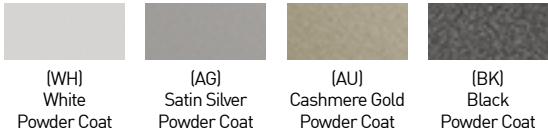


ORDERING INFORMATION



JA8-2022 INDICATED BY SHADING

| SERIES | BODY COLOR | CANOPY COLOR | DOWNLIGHT CRI /CCT PACKAGE | WAVEGUIDE CRI /CCT PACKAGE | OPTIC (UGR) | WAVEGUIDE | MEDIA | DRIVER (SELECT ONE) | MOUNTING |
|---------------------------------------|-------------------|---|---|--|--------------|----------------|--|---|--|
| S2C | | | | | | S | | | |
| S2C STELLR Medium 10.2” Ceiling Mount | WH White | WH White | STATIC WHITE | STATIC WHITE | 15 15° (<10) | S Standard | STANDARD MEDIA | INTEGRAL (Sources dim independently, requires independent line voltage) | J Standard, J-Box Surface Mounting Plate |
| | AG Satin Silver | AG Satin Silver | | | 35 35° (<10) | | | | |
| | AU Cashmere Gold | AU Cashmere Gold | 8027 80+ CRI, 2700K Lm. Delivered - 1799 | 8027 80+ CRI, 2700K Lm. Delivered - 728 | 55 55° (<10) | | | | |
| | BK Black | BK Black | 8030 80+ CRI, 3000K Lm. Delivered - 1855 | 8030 80+ CRI, 3000K Lm. Delivered - 794 | | | | | |
| | CF Custom Finish* | CF Custom Finish* | 8035 80+ CRI, 3500K Lm. Delivered - 1910 | 8035 80+ CRI, 3500K Lm. Delivered - 794 | | | | | |
| | | | 8040 80+ CRI, 4000K Lm. Delivered - 2003 | 8040 80+ CRI, 4000K Lm. Delivered - 825 | | | | | |
| | | | 9027 90+ CRI, 2700K Lm. Delivered - 1546 | 9027 90+ CRI, 2700K Lm. Delivered - 656 | | | | | |
| | | | 9030 90+ CRI, 3000K Lm. Delivered - 1594 | 9030 90+ CRI, 3000K Lm. Delivered - 715 | | | | | |
| | | | 9035 90+ CRI, 3500K Lm. Delivered - 1641 | 9035 90+ CRI, 3500K Lm. Delivered - 715 | | | | | |
| | | | 9040 90+ CRI, 4000K Lm. Delivered - 1721 | 9040 90+ CRI, 4000K Lm. Delivered - 744 | | | | | |
| | | WARM DIM | WARM DIM | | | OPTIONAL MEDIA | REMOTE (Sources dim independently, requires independent line voltage) | S Small Ø4.9” Ceiling Mount Junction Box for 1/2” and 3/4” Conduit* L Large Ø6.4” Ceiling Mount Junction Box for 1/2” and 3/4” Conduit* *(Finish specified in canopy color section) | |
| | | 90LL 90+ CRI, Incandescent Profile 2700K - 1800K Lm. Delivered - 1129* | 90WD 90+ CRI, Halogen Profile 3000K - 1800K Lm. Delivered - 765* | | | | | | |
| | | *(Not available with PH or TR Driver) | *(Not available with PH or TR Driver) | | | | | | |
| | | 90LD 90+ CRI, Halogen Profile 3000K - 1800K Lm. Delivered - 1200* | | | | | | | |
| | | *(Not available with PH or TR Driver) | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | * DELIVERED LUMEN VALUES REFLECT USE OF THE 55 DEGREE OPTIC AND NO LENS | | | | | | |



PART NUMBER NOTES

- STELLR ships as e.g., S2C-BK BK-9MS18MS1-35S4-SG*J
- Optional remote drivers ship as e.g., PS-S2-RMT-9MSX8MSX-LP*
- CMJB ships as S2*-CMJB-(finish)



ACCESSORIES

ALTERNATE MEDIA

- ☐ **HCL-S2-01** Honeycomb Louver
- ☐ **CGL-S2-01** Clear Glass Lens
- ☐ **SFL-S2-01** Soft Focus Lens

REPLACEMENT OPTIC ASSEMBLIES

- ☐ **R0-S2-15** 15° optic
- ☐ **R0-S2-35** 35° optic
- ☐ **R0-S2-55** 55° optic


EMERGENCY LIGHTING - REMOTE MOUNT ONLY

During disruption of main power, emergency battery inverter provides temporary 120V or 277V to fixture.

- ☐ **EMB-S-25-120/277-LEDX** 25 watt max capacity, 120 or 277 VAC 60Hz
- ☐ **EMB-S-100-120-LEDX** 100 watt max capacity, 120 VAC 60Hz, 0-10V dimmable
- ☐ **EMB-S-100-277-LEDX** 100 watt max capacity, 277 VAC 60Hz, 0-10V dimmable
- ☐ **EMB-S-250-120/277-LEDX** 250 watt max capacity, 120 or 277 VAC 60Hz

NOTE: CONSULT FACTORY FOR USE WITH WIRELESS CONTROLS.

DOWNLIGHT PERFORMANCE - 3000K

 **JA8-2022 INDICATED BY SHADING**

| LUMEN PACKAGE | WATTAGE | 15° OPTIC / NO LENS | | 35° OPTIC / NO LENS | | 55° OPTIC / NO LENS | | 15° OPTIC / HCL | | 35° OPTIC / HCL | | 55° OPTIC / HCL | |
|--------------------|---------|---------------------|-----|---------------------|-----|---------------------|-----|-----------------|-----|-----------------|-----|-----------------|-----|
| | | DELIVERED | LPW | DELIVERED | LPW | DELIVERED | LPW | DELIVERED | LPW | DELIVERED | LPW | DELIVERED | LPW |
| 8030 | 18 | 1743 | 97 | 1769 | 98 | 1855 | 103 | 1255 | 70 | 1123 | 62 | 1081 | 60 |
| 9030 | 18 | 1502 | 83 | 1520 | 84 | 1594 | 89 | 1078 | 60 | 965 | 54 | 929 | 52 |
| 90LL (2700K-1800K) | 15 | 1029 | 69 | 1092 | 73 | 1129 | 75 | 739 | 49 | 694 | 46 | 658 | 44 |
| 90LD (3000K-1800K) | 15 | 1094 | 73 | 1161 | 77 | 1200 | 80 | 785 | 52 | 737 | 49 | 699 | 47 |

STATIC WHITE OUTPUT MULTIPLIER

| CCT | CCT SCALE |
|-------|-----------|
| 2700K | 0.97 |
| 3000K | 1.00 |
| 3500K | 1.03 |
| 4000K | 1.08 |

MEDIA LIGHT LOSS FACTOR

| MEDIA | LIGHT LOSS FACTOR |
|---------|-------------------|
| No Lens | 1.00 |
| CGL | 0.93 |
| SFL | 0.93 |
| HCL | 0.65 |

UNIFIED GLARE RATING

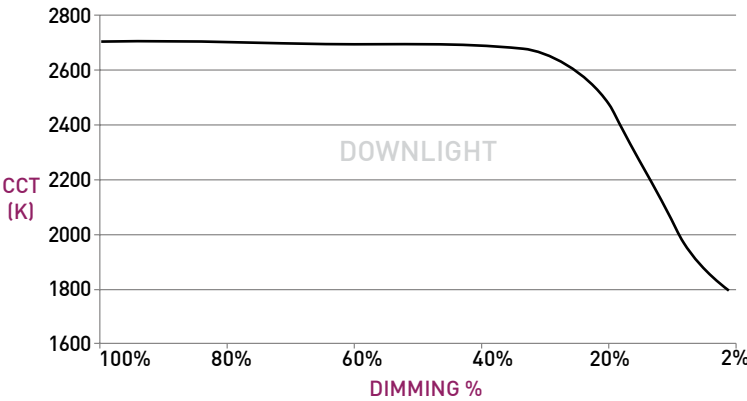
| 15° OPTIC | 35° OPTIC | 55° OPTIC |
|-----------|-----------|-----------|
| <10 | <10 | <10 |

WAVEGUIDE PERFORMANCE

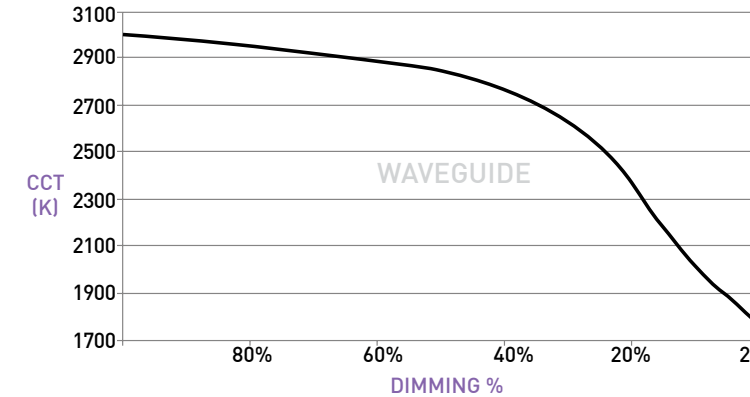
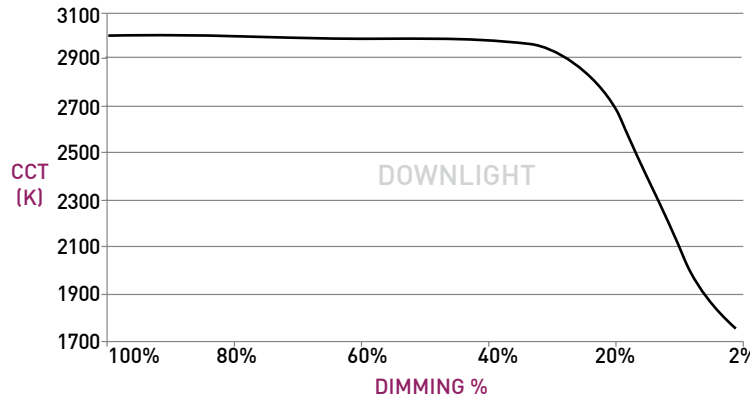
| LUMEN PACKAGE | WATTAGE | 2700K | | 3000K | | 3500K | | 4000K | |
|---------------|---------|-----------|-----|-----------|-----|-----------|-----|-----------|-----|
| | | DELIVERED | LPW | DELIVERED | LPW | DELIVERED | LPW | DELIVERED | LPW |
| 80 | 15 | 728 | 53 | 794 | 58 | 794 | 58 | 825 | 64 |
| 90 | 15 | 656 | 48 | 715 | 52 | 715 | 52 | 744 | 54 |
| 90WD | 15 | - | - | 765 | 54 | - | - | - | - |

WARM DIM PERFORMANCE

| INCANDESCENT PROFILE | | | | | | | |
|---------------------------|-----------------|------------------|------------------|------------------|------------------|------------------|-----------------|
| 90L11AWL 2700K - 1800K | Full on 100% | Dimmed to 80% | Dimmed to 70% | Dimmed to 50% | Dimmed to 20% | Dimmed to 10% | Dimmed to 2% |
| CCT (K) | 2700 | 2700 | 2700 | 2700 | 2500 | 1900 | 1800 |
| Light Output (Lm) | 1129 | 903 | 790 | 565 | 226 | 113 | 23 |
| Power (W) | 15 | 12 | 10.5 | 7.5 | 3 | 1.5 | 0.3 |
| Efficacy (LPW) | 75 | 75 | 75 | 75 | 75 | 75 | 75 |



| HALOGEN PROFILE | | | | | | | |
|---------------------------|-----------------|------------------|------------------|------------------|------------------|------------------|-----------------|
| 90L11AWD 3000K - 1800K | Full on 100% | Dimmed to 80% | Dimmed to 70% | Dimmed to 50% | Dimmed to 20% | Dimmed to 10% | Dimmed to 2% |
| CCT (K) | 3000 | 3000 | 3000 | 3000 | 3000 | 2000 | 1800 |
| Light Output (Lm) | 1200 | 960 | 840 | 600 | 240 | 120 | 24 |
| Power (W) | 15 | 12 | 10.5 | 7.5 | 3 | 1.5 | 0.3 |
| Efficacy (LPW) | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| WAVEGUIDE | Full on 100% | Dimmed to 80% | Dimmed to 70% | Dimmed to 50% | Dimmed to 20% | Dimmed to 10% | Dimmed to 2% |
| CCT (K) | 3000 | 2950 | 2920 | 2850 | 2375 | 2000 | 1800 |
| Light Output (Lm) | 765 | 612 | 535 | 382 | 153 | 76 | 15 |
| Power (W) | 15 | 12 | 10.5 | 7.5 | 3 | 1.5 | 0.3 |
| Efficacy (LPW) | 54 | 54 | 54 | 54 | 54 | 54 | 54 |



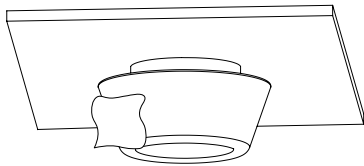
NOTE: LIN-TO-LIN 0-10V PAIRING NOT COMPATIBLE WITH WARM DIM.

FIXTURE

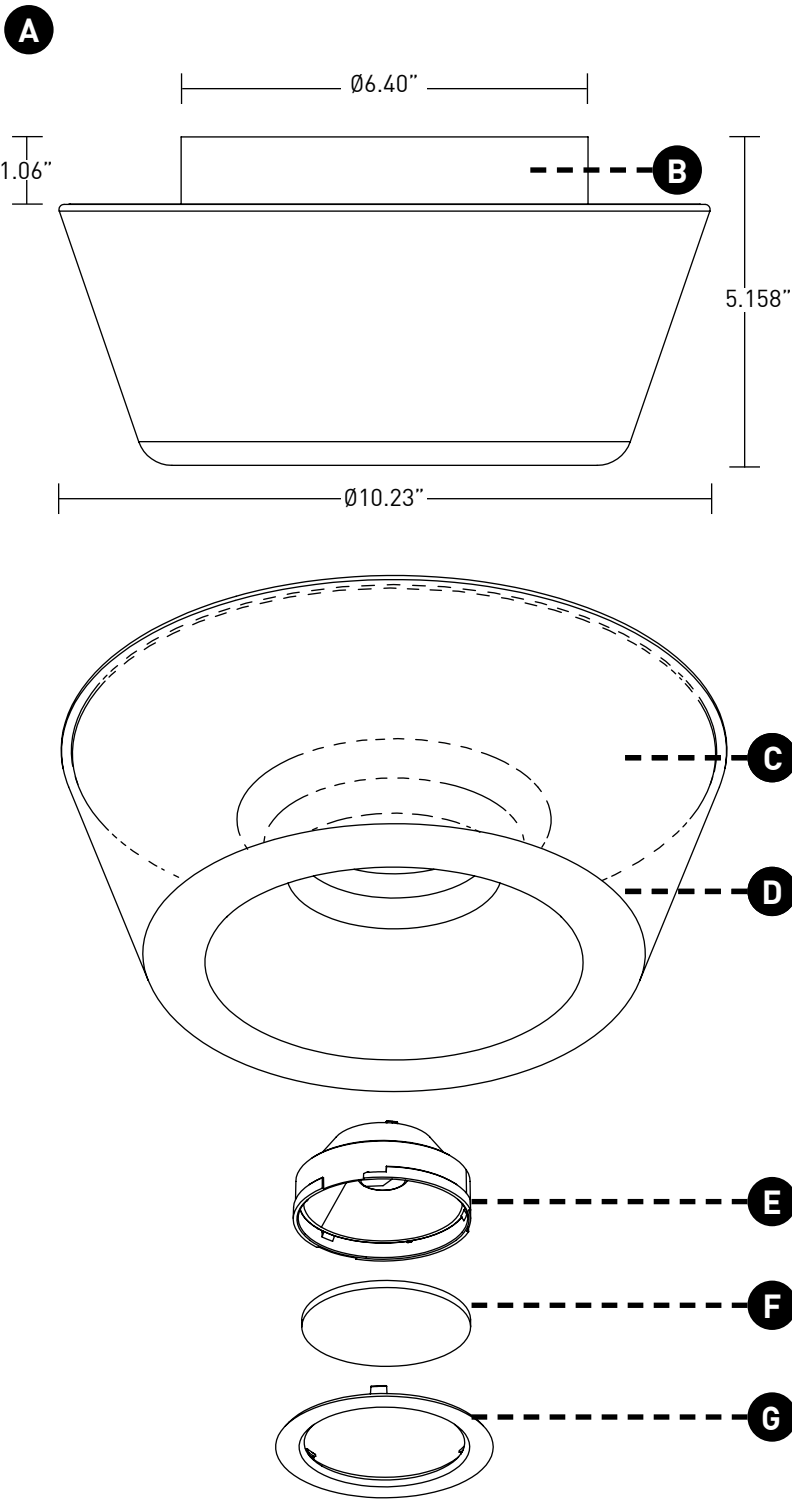
- A LUMINAIRE**
Body with integrated heat sink and LED assemblies. Power supplies may be integral or remote mount.
- B CANOPY**
Conceals hidden twist-on mounting hardware and houses integral driver assemblies. Available in powdercoat finishes.
- C BODY**
Available in powdercoat finishes.
- D WAVEGUIDE**
Transmits light creating illumination effect. Ships with protective cover installed.
- E OPTIC**
Robust light engine with optimized optic pairing integrates Reflection, Refraction and TIR offering 15°, 35°, and 55° beams.
- F MEDIA**
No lens standard. Media is field-changeable.
- G TRIM BEZEL**
Attaches to optic assembly and accommodates one media. Finish will match body color. Consult factory if alternate finish requested.

CLEANING INSTRUCTIONS

Factory recommends cleaning waveguide assembly with a microfiber cloth or similar non-abrasive cloth. In most cases a damp microfiber cloth will remove dust/debris or fingerprints. For stubborn stains, approved cleaning agents include soap and water, or ammonia based cleaners.



DIMENSIONS / DRAWINGS



MOUNTING

DIMENSIONS / DRAWINGS

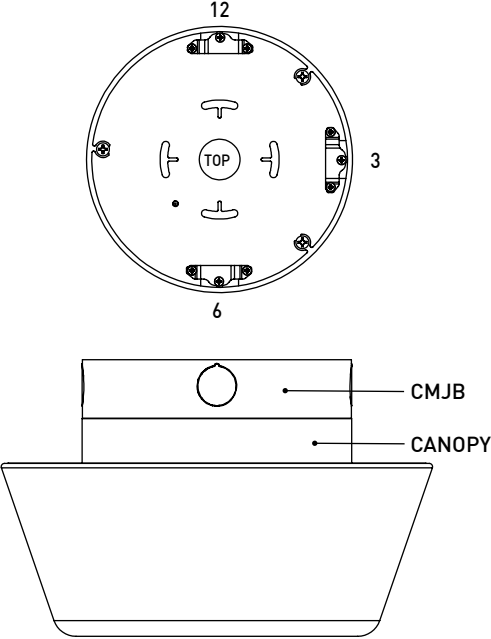
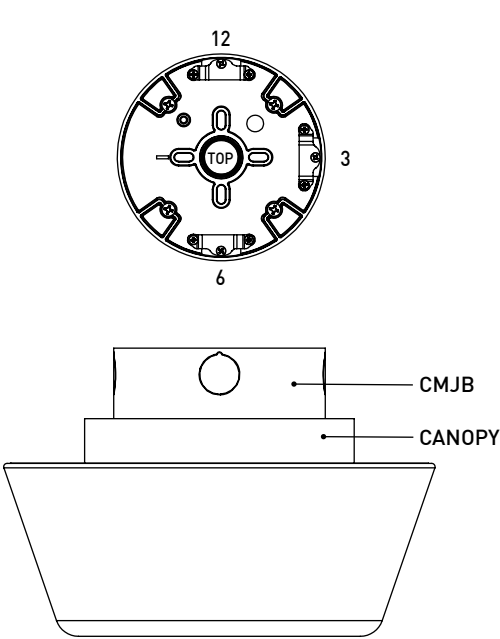
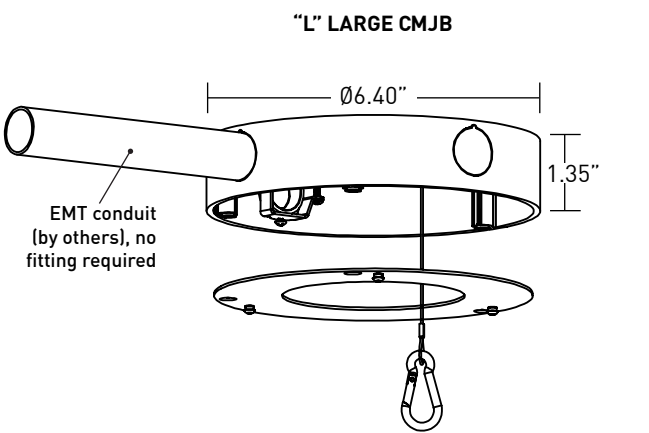
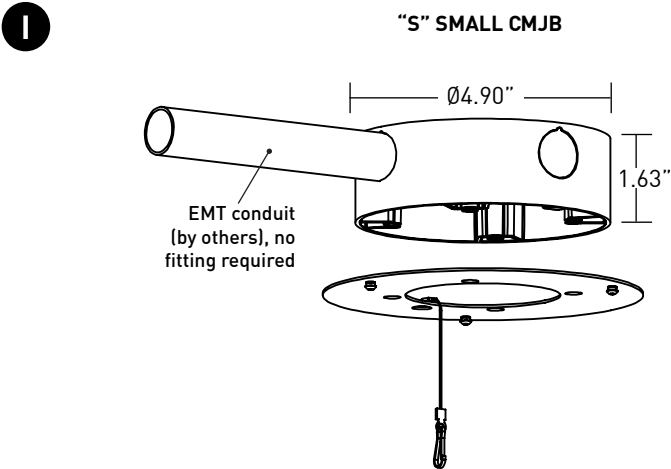
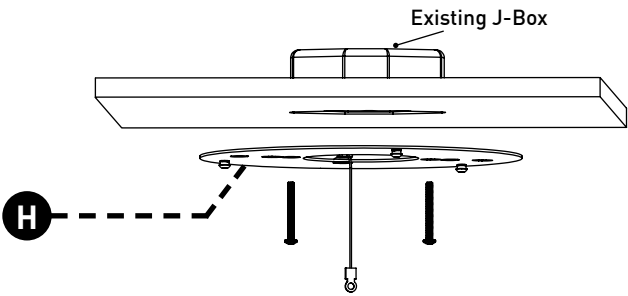
- H

MOUNTING PLATE

Mounting adapter (concealed) for standard 3/0, 4/0 and 4" Square j-boxes. Surface mounted, does not require installation prior to rough-in. Fixture mounts flush with minimalist transition to ceiling.
- I

CMJB

Ceiling mount junction box provides integrated look where exposed ceiling mount junction box and conduit applications apply. For use with 1/2" and 3/4" EMT conduit only. Features three conduit entrances at 12, 3, and 6 o'clock plus one conduit knockout on top. Painted finishes only. Blank off plugs included. Available in "S" Small and "L" Large configurations.



REMOTE POWER SUPPLY

- J

PS-RMT

Remote power supplies provide additional driver options, requires two power supplies. Mounting device still required. Consult install guide for maximum allowable secondary run lengths between PS-RMT and fixture. Must be installed in an accessible location.
- K

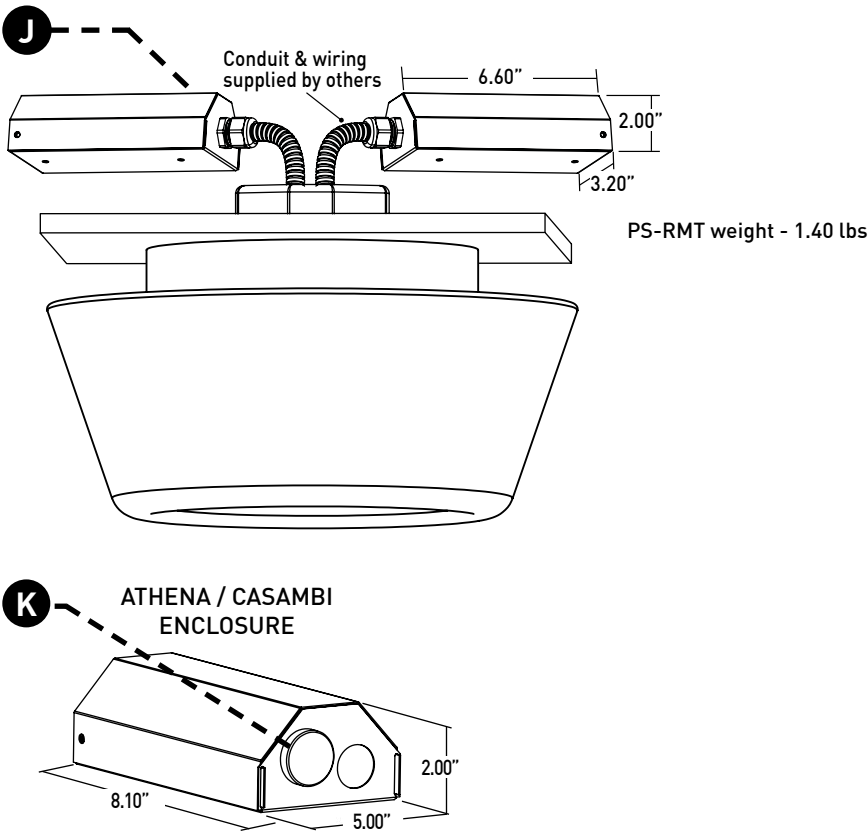
ATHENA / CASAMBI CONTROL

Controls integrated into housing or remote driver assembly. All equipment is serviceable.

Athena Model Numbers: A-WN-D01-RF-BL & DFC-OEM-DBI

Casambi Model Number: BT-S1E1-5400

DIMENSIONS / DRAWINGS



FIXTURE CONTROL INFORMATION

| DRIVER | DRIVER QUANTITY | SOURCES DIM INDEPENDENTLY OR TOGETHER | SOURCES DIM TOGETHER ONLY | WIRING REQUIREMENTS |
|--------|-----------------|---------------------------------------|---------------------------|--|
| PH | 2 | X | | For independent control, two switch-legs required. |
| TR | 2 | X | | For independent control, two switch-legs required. |
| SG | 2 | X | | For independent control, two switch-legs and two 0-10V control leads required. |
| SN | 2 | X | | For independent control, two switch-legs and two 0-10V control leads required. |
| LP | 2 | X | | For independent control, two EcoSystem addresses required. |
| ED | 2 | X | | Requires 2 DALI addresses. |
| EG | 2 | X | | Two switch-legs and 0-10V control lead sets required. |
| EN | 2 | X | | Two switch-legs and 0-10V control lead sets required. |

TECHNICAL

CONSTRUCTION

Fixture: Machined aluminum canopy and spun reflector; die-cast aluminum heat-sink; painted finishes are granulated powder coat.
CMJB: Die-cast or Machined aluminum body; painted finishes are granulated powder coat.
Remote Power Supply: 22 Gauge galvanized steel.

LED

Proprietary 2 step MacAdam ellipse LED modules available in 80+ and 90+ CRI configurations in color temperatures of 2700K, 3000K, 3500K and 4000K. Average rated lamp life of 50,000 hours. Driver assemblies are field-replaceable.

WARM DIM LED

Proprietary 3-step MacAdam ellipse warm dim LED modules available in 90+ CRI configuration. 3000K at full brightness, warming to 1800K at full dim. Average rated lamp life of 50,000 hours. Driver assemblies are field-replaceable.

POWER SUPPLY PERFORMANCE AND DIMMING INFORMATION

| | PHASE | | 0-10V | | | | ECO | DALI | ATHENA | CASAMBI |
|--------------|--------|--------|--------|--------|--------|--------|-------|--------|--------|---------|
| Power Supply | TR | PH | SG | SN | EG | EN | LP | ED | AS1 | CS1 |
| Minimum °C | -20 °C | -10 °C | -10 °C | -10 °C | -20 °C | -20 °C | 0 °C | -20 °C | 0 °C | -20 °C |
| Maximum °C | 25 °C | 25 °C | 25 °C | 25 °C | 25 °C | 25 °C | 25 °C | 25 °C | 40 °C | 40 °C |
| Dimming % | 2.0% | 1.0% | 1.0% | 1.0% | 0.1% | 0.1% | 0.1% | 0.1% | 0.1% | 0.1% |

MAXIMUM ALLOWABLE REMOTE DRIVER WIRING DISTANCES

| DRIVER | WIRE AWG | | | | |
|------------------------------|----------|------|------|-----|-----|
| | 12 | 14 | 16 | 18 | 20 |
| PH, TR | 285' | 180' | 113' | 71' | 45' |
| LP | 60' | 40' | 25' | 15' | - |
| SG, SN, EG, EN, ED, AS1, CS1 | - | - | 118' | 72' | 46' |

MOUNTING

Fixture is supplied with a mounting adapter, which integrates with standard 3/0, 4/0 and 4" Square junction boxes. Ceiling-mount junction box available for 1/2" and 3/4" conduit and features concealed internal clamps for clean fitting-free conduit exit and entry.

LISTING

cTUVus listed to UL1598 standard for Dry / Damp locations.
JA8-2022 Title 24 listed.
NEMA 410 Compliant.

BUY AMERICAN ACT

All S2C configurations are Buy American Act compliant.

WEIGHT

Fixture - 5.4 lbs max
CMJB - 1.1 lbs
Remote Driver - 1.4 lbs

LIMITED WARRANTY

Manufacturer's 1-year warranty guarantees product(s) listed to be free from defects in material and workmanship under normal use and service. 5-year warranty on LED and power supply to operate with 70% of the original flux and remain within a range of 3 duv. 10-year Lutron Advantage limited warranty available on Lutron equipped systems. Warranty period begins from the date of shipment by Seller. Consult [website](#) for full warranty terms and conditions.

CHANGE LOG

- 1.08/08/2023: UPDATED WITH NEW LED AND OPTIC SYSTEM.
- 2.1/11/2024: ADDED ATHENA/CASAMBI OFFERINGS.
- 3.08/02/2024: DISCONTINUED L2 DRIVER OFFERING.
- 4.04/09/2025: UPDATED POWER SUPPLY OFFERINGS
- 5.05/07/2025: UPDATED WARM DIM OFFERING.
- 6.09/23/2025: DISCONTINUED EM SHUNT OFFERINGS.

DRIVE CURRENT SPECIFICS

DOWNLIGHT

| | 80 | 90 | 90WD |
|------------|------|------|------|
| Minimum Vf | 30.5 | 30.5 | 30.5 |
| Maximum Vf | 39 | 39 | 39 |
| Current mA | 425 | 425 | 350 |
| Wattage W | 14.6 | 14.6 | 11.8 |

WAVEGUIDE

| | 80 | 90 | 90WD |
|------------|------|------|------|
| Minimum Vf | 30.5 | 30.5 | 30.5 |
| Maximum Vf | 39 | 39 | 39 |
| Current mA | 350 | 350 | 350 |
| Wattage W | 11.8 | 11.8 | 11.8 |

