

STELLR®

RECESSED PENDANT

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.

| | |
|----------------------|--------------|
| PROJECT NAME: | TYPE: |
|----------------------|--------------|

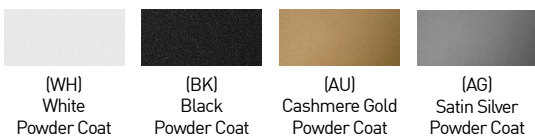


ORDERING INFORMATION



JA8-2019 INDICATED BY SHADING

| SERIES | CANOPY TYPE | BODY COLOR | CANOPY COLOR | CABLE COLOR | DOWNLIGHT LUMEN PACKAGE | WAVEGUIDE LUMEN PACKAGE | OPTIC | EFFECTS DEVICE | DRIVER | INSTALL TYPE | |
|------------------------|--|--|--|--|--|---|---|--|--|---|--|
| S2 | | | | | | | | | | | |
| S2 STELLR Medium 10.2" | FLANGE OVERLAY F096 8' Cable F192 16' Cable <hr/> ZERO SIGHTLINE T096 8' Cable T192 16' Cable | WH White BK Black AU Cashmere Gold AG Satin Silver CF Custom Finish* <small>*(Consult Factory)</small> | WH White BK Black AU Cashmere Gold AG Satin Silver CF Custom Finish* <small>*(Consult Factory)</small> | B Black Power Cable W White Power Cable | STATIC WHITE 8027 80+ CRI, 2700K Dlvd. Lumens - 1539 8030 80+ CRI, 3000K Dlvd. Lumens - 1600 8035 80+ CRI, 3500K Dlvd. Lumens - 1616 8040 80+ CRI, 4000K Dlvd. Lumens - 1632 9027 90+ CRI, 2700K Dlvd. Lumens - 1315 9030 90+ CRI, 3000K Dlvd. Lumens - 1368 9035 90+ CRI, 3500K Dlvd. Lumens - 1381 9040 90+ CRI, 4000K Dlvd. Lumens - 1395 <hr/> WARM DIM 90WD 90+ CRI, 3200K - 1800K Dlvd. Lumens - 1018* <small>*(Not available with PH Driver)</small> | STATIC WHITE 8027 80+ CRI, 2700K Dlvd. Lumens - 728 8030 80+ CRI, 3000K Dlvd. Lumens - 794 8035 80+ CRI, 3500K Dlvd. Lumens - 794 8040 80+ CRI, 4000K Dlvd. Lumens - 825 9027 90+ CRI, 2700K Dlvd. Lumens - 656 9030 90+ CRI, 3000K Dlvd. Lumens - 715 9035 90+ CRI, 3500K Dlvd. Lumens - 715 9040 90+ CRI, 4000K Dlvd. Lumens - 744 <hr/> WARM DIM 90WD 90+ CRI, 3200K - 1800K Dlvd. Lumens - 699* <small>*(Not available with PH Driver)</small> | 15 15° 35 35° 55 55° | STANDARD EFFECTS DEVICE 0 No Lens <hr/> OPTIONAL EFFECTS DEVICE 2 Honeycomb Louver 3 Clear Glass Lens 4 Soft Focus Lens | PH ELV/TRIAC, 1% 120V* <small>*(Sources dim independently, requires independent line voltage)</small> TR ELV/TRIAC, 2% 120V* <small>*(Sources dim independently, requires independent line voltage)</small> L2 Lutron, Hi-Lume 1% 2-wire* <small>*(Sources dim independently, requires independent line voltage)</small> LP Lutron, Hi-Lume Premier Ecosystem 0.1% Fade to Black, 120 or 277V* <small>*(Sources dim independently, requires independent secondary wiring)</small> | SG 0-10V Analog, 120 or 277V LOG* <small>*(Sources dim independently, requires independent control lines)</small> SN 0-10V Analog, 120 or 277V LIN* <small>*(Sources dim independently, requires independent control lines)</small> EG eLdoLED, SOLOdrive 0.1% 0-10V, 120-277V, LOG* <small>*(Sources dim together)</small> EN eLdoLED, SOLOdrive 0.1% 0-10V, 120-277V, LIN* <small>*(Sources dim together)</small> DD eLdoLED, DUALdrive 0.1% DALI, 120-277V, LOG* <small>*(Sources dim independently)</small> | 0.50" - 2.25" CEILING THICKNESS X IC, Airtight* <small>*(Chicago Plenum, Airtight & Title 24 compliant housing)</small> Y NIC V Remote IC, Airtight* <small>*(Chicago Plenum, Airtight & Title 24 compliant housing)</small> W Remote NIC |
| | | <small>*FOR CABLE LENGTHS OVER 16' CONSULT FACTORY. ALL LENGTHS ARE FIELD-CUTTABLE.</small> | <small>* DELIVERED LUMEN VALUES REFLECT USE OF THE 35 DEGREE OPTIC AND NO LENS</small> | <small>* DELIVERED LUMEN VALUES REFLECT USE OF THE 35 DEGREE OPTIC AND NO LENS</small> | | | | | | | |



PART NUMBER NOTES

- STELLR ships as e.g., S2F096-WHBKB-9MA28MA2-352-DD*X
- Optional remote driver(s) ship as e.g., PS-S2-RMT-9MAX8MAX-LP*
- Housing ships as e.g., NC-S2F-2I

STELLR RECESSED PENDANT

ACCESSORIES

ALTERNATE EFFECTS DEVICES

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

REPLACEMENT OPTIC ASSEMBLIES

- RO-S2-15** 15° optic
- RO-S2-35** 35° optic
- RO-S2-55** 55° optic

EMERGENCY LIGHTING - REMOTE MOUNT ONLY

- EMB-S-20/25-120/277-LEDX** 20/25 watt max capacity, 120 or 277 VAC 60Hz, Non-Dimmable
 - EMB-S-100-120-LEDX** 100 watt max capacity, 120 VAC 60Hz, Dimmable
 - EMB-S-100-277-LEDX** 100 watt max capacity, 277 VAC 60Hz, Dimmable
 - EMB-S-250-120/277-LEDX** 250 watt max capacity, 120 or 277 VAC 60Hz, Dimmable
- During disruption of main power, emergency battery inverter provides temporary 120V or 277V to fixture.

T-GRID ACCESSORY

- DHA-TG-KIT** Allows housing to be raised or lowered to accommodate varying T-grid heights.

DOWNLIGHT PERFORMANCE - 3000K

| 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 | 17 | 1494 | 87 | 1600 | 93 | 1683 | 98 | 1210 | 70 | 1200 | 70 | 1212 | 71 |
| 9030 | 17 | 1277 | 74 | 1368 | 80 | 1438 | 84 | 1034 | 60 | 1026 | 60 | 1035 | 60 |
| 90WD | 14 | 966 | 69 | 1018 | 73 | 1169 | 84 | 782 | 56 | 764 | 55 | 842 | 60 |

| STATIC WHITE OUTPUT MULTIPLIER | |
|--------------------------------|-----------|
| CCT | CCT SCALE |
| 2700K | 0.960 |
| 3000K | 1.000 |
| 3500K | 1.014 |
| 4000K | 1.015 |

| LIGHT LOSS FACTOR MULTIPLIER | |
|------------------------------|------|
| No Lens | 1.00 |
| CGL | 1.00 |
| SFL | 0.95 |
| HCL | 0.60 |

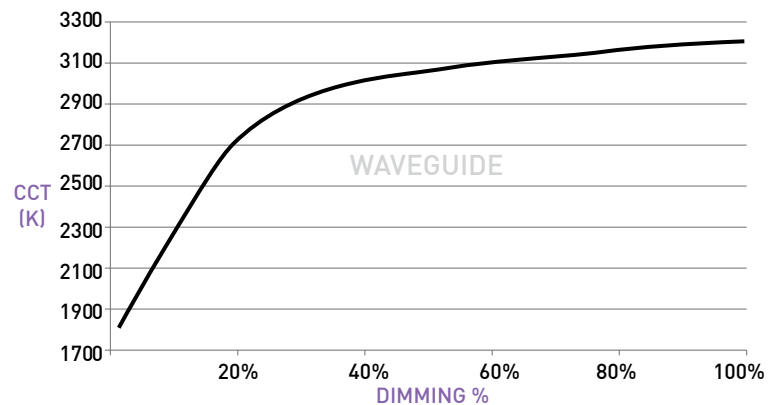
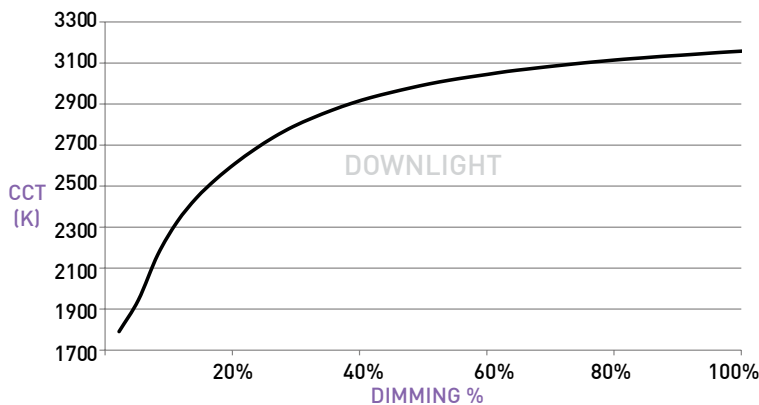
WAVEGUIDE PERFORMANCE

| LUMEN PACKAGE | WATTAGE | 2700K | | 3000K | | 3500K | | 4000K | |
|---------------|---------|-----------|-----|-----------|-----|-----------|-----|-----------|-----|
| | | DELIVERED | LPW | DELIVERED | LPW | DELIVERED | LPW | DELIVERED | LPW |
| 80 | 14 | 728 | 53 | 794 | 58 | 794 | 58 | 825 | 64 |
| 90 | 14 | 656 | 48 | 715 | 52 | 715 | 52 | 744 | 54 |
| 90WD | 14 | - | - | 699 | 51 | - | - | - | - |

WARM DIM PERFORMANCE

| DOWNLIGHT - 35° OPTIC / NO LENS | Full on 100% | Dimmed to 80% | Dimmed to 70% | Dimmed to 50% | Dimmed to 20% | Dimmed to 10% | Dimmed to 2% |
|---------------------------------|--------------|---------------|---------------|---------------|---------------|---------------|--------------|
| CCT (K) | 3200 | 3150 | 3100 | 3000 | 2700 | 2200 | 1800 |
| Light Output (Lm) | 1010 | 814 | 713 | 509 | 204 | 102 | 20 |
| Power (W) | 14 | 11 | 10 | 7 | 3 | 1.4 | 0.3 |
| Efficacy (LPW) | 73 | 73 | 73 | 73 | 73 | 73 | 73 |

| WAVEGUIDE | Full on 100% | Dimmed to 80% | Dimmed to 70% | Dimmed to 50% | Dimmed to 20% | Dimmed to 10% | Dimmed to 2% |
|-------------------|--------------|---------------|---------------|---------------|---------------|---------------|--------------|
| CCT (K) | 3200 | 3150 | 3100 | 3050 | 2700 | 2200 | 1800 |
| Light Output (Lm) | 699 | 559 | 489 | 350 | 140 | 70 | 14 |
| Power (W) | 14 | 13 | 12 | 9 | 3 | 1.7 | 0.3 |
| Efficacy (LPW) | 51 | 51 | 51 | 51 | 51 | 51 | 51 |



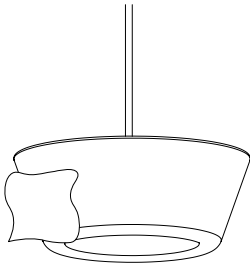
STELLR RECESSED PENDANT

FIXTURE / HOUSING

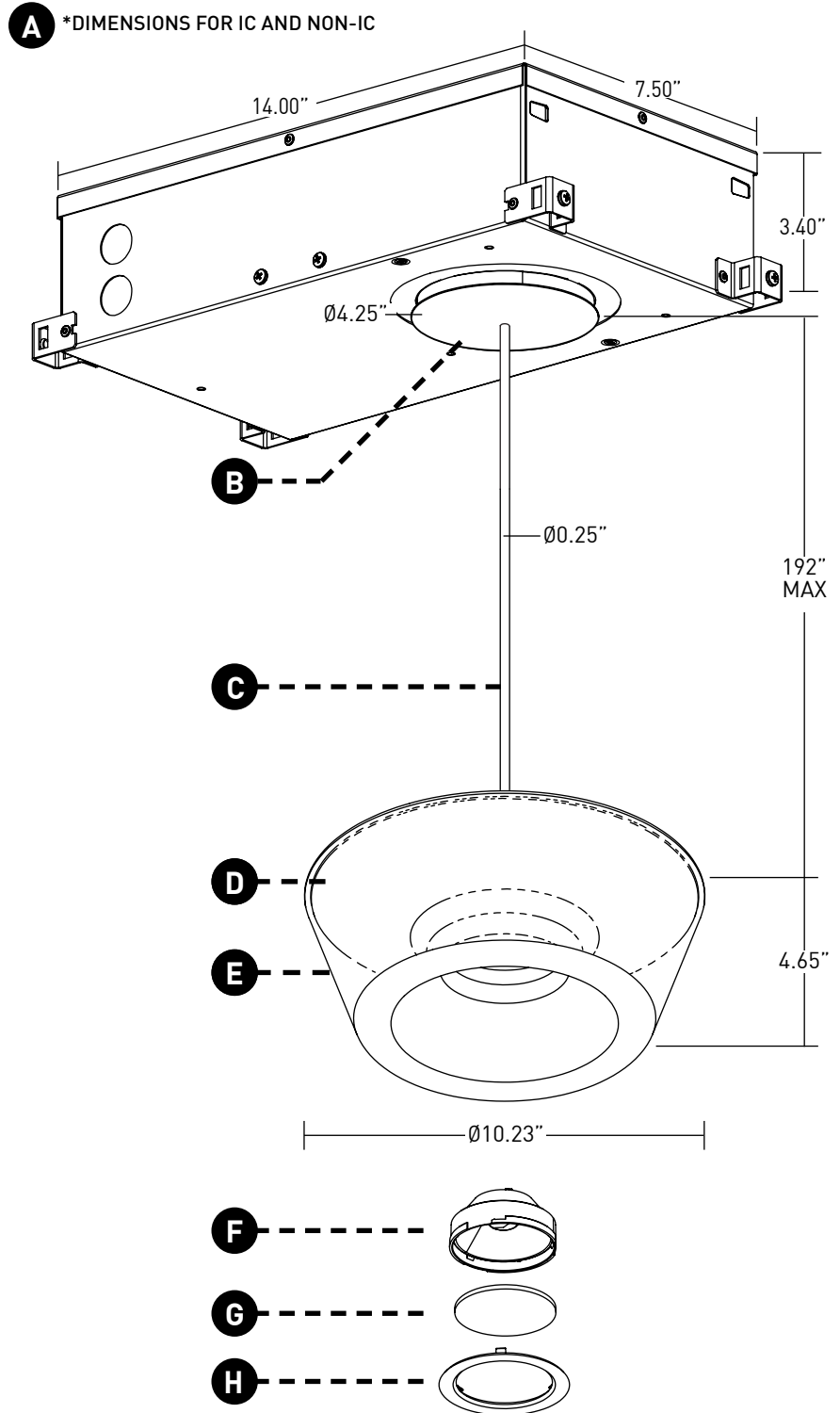
- A** **FIXTURE / HOUSING**
Body with integrated heat sink and LED assemblies. Power supplies may be integral or remote mount.
- B** **MAGNETIC TRIM PLATE (CANOPY)**
Conceals retaining mechanism. Rare Earth magnets secure canopy plate to retaining mechanism. Available in powdercoat finishes.
- C** **CABLE**
Available in lengths up to 192" maximum, cable is field cuttable, consult factory for lengths greater than 192". Available in black and white finishes.
- D** **BODY**
Available in powdercoat finishes.
- E** **WAVEGUIDE**
Transmits light creating illumination effect. Ships with protective cover installed.
- F** **OPTIC**
Field-changeable optics available in 15°, 35°, & 55° beams.
- G** **EFFECTS DEVICE**
Media is field-changeable.
- H** **LENS RETAINER**
Attaches to optic assembly and accommodates one effects device. Finish will match body color. Consult factory if alternate finish is 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



STELLR RECESSED PENDANT

HOUSING

- I NO INSULATION CONTACT (NON-IC) HOUSING**
 - Included with Y and W install types.
 - Minimum 0.50" setback from combustible and non-combustible materials on all sides and top of housing.
 - Minimum 3.00" setback from insulation material having max R-Value 30 on all sides and top of housing.
 - Minimum 6.00" setback from polycell spray foam insulation having max R-Value 60.
- J INSULATION CONTACT (IC) HOUSING**
 - Included with X and V install types.
 - No setback from polycell spray foam insulation having max R-Value of 60 on all sides and top of housing.
- K TG ACCESSORY**
 - Specified separately and recommended for installations in T-Grid and with furring channel. Hanger bars are installed to adjustable bracket. Allows housing to be raised and lowered; ceiling thickness remains 0.5" to 2.25" max.

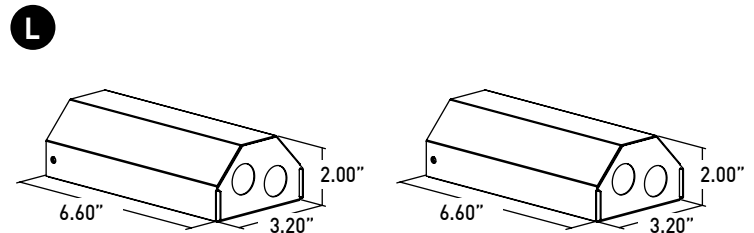
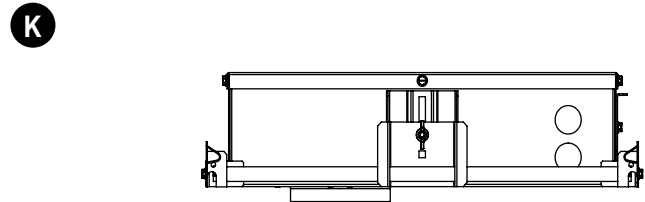
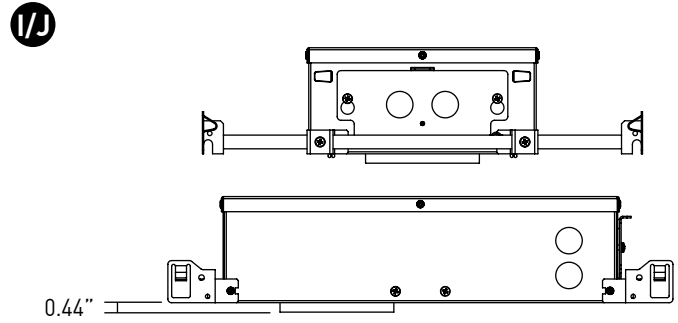
HOUSING MOUNTING NOTES

- X and V install types are required for Chicago Plenum, Airtight and Title 24 (JA8) applications.
- Do not install in environments where ambient temperatures exceed 40°C (104°F).
- Power supply compartment and all splice connections may be serviced from room side.
- Consult factory for spacing requirements for any installations exceeding R-Value 60.
- Hanger bars fitted to short side of housing or long side of housing for TG Accessory; extend from 14.0" to 24.0", but may be field cut to accommodate narrow stud spacing.
- Hanger bars and brackets add 4.00" to the overall dimension, but are exclusive of the setback requirements.

REMOTE POWER SUPPLY

- L** Provided W and V install types. Consult installation guide for maximum allowable secondary run lengths between PS-RMT and fixture. Must be installed in an accessible location.

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. |
| L2 | 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. |
| DD | 1 | X | | For independent control, two DALI addresses required. |
| EG | 1 | | X | Single switch-leg and 0-10V control leads required. |
| EN | 1 | | X | Single switch-leg and 0-10V control leads required. |

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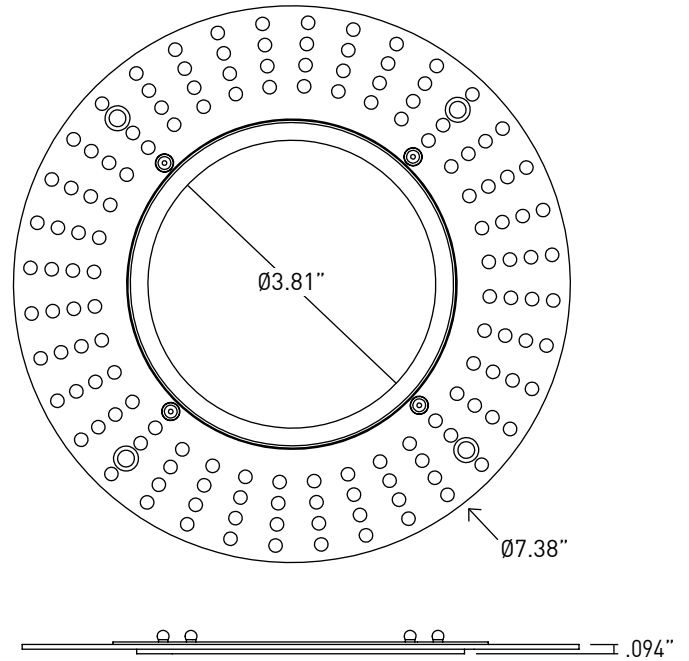
ZERO-SIGHTLINE INSTALLATIONS

When installed according to manufacturer's instructions and ceiling conditions are met, fixture trim plate is flush with the ceiling plane. Consult STELLR Installation Guidelines for appropriate ceiling cutouts and instructions for proper Zero-Sightline installations.

M APPLIQUÉ

- Specified on Fixture Type and ships with housing.
- For use in painted gypsum ceiling applications.
- Not recommended for stucco applications.

DIMENSIONS / DRAWINGS



STELLR RECESSED PENDANT

TECHNICAL

CONSTRUCTION

Fixture: Spun reflector; die-cast aluminum heat-sink; stamped canopy; painted finishes are granulated powder coat.

Housing: 22 Gauge galvanized steel.

CMJB: Die-cast 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. 3200K 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

| Power Supply | PH | SG | SN | DD | EG | EN | TR | L2 | LP |
|--------------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| Minimum °C | -10 °C | -10 °C | -10 °C | -20 °C | -20 °C | -20 °C | -20 °C | 0 °C | 0 °C |
| Maximum °C | 25 °C | 25 °C | 25 °C | 25 °C | 25 °C | 25 °C | 25 °C | 25 °C | 25 °C |
| Dimming % | 1.0% | 1.0% | 1.0% | 0.1% | 0.1% | 0.1% | 2.0% | 1.0% | 0.1% |

MOUNTING

Fixture is supplied with a mounting adaptor. 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. JA8-2019 Title 24 listed.

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 and conditional upon the use of manufacturer-supplied power supply. Consult [website](#) for full warranty terms and conditions.

STELLR RECESSED PENDANT

DRIVE CURRENT SPECIFICS

DOWNLIGHT

| | 80C | 90C | 90W |
|------------|------|------|------|
| | 20A | 17A | 13A |
| 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

| | 80C | 90C | 90W |
|------------|------|------|------|
| 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 |