# MONOPOINT
# CM1 HANG STRAIGHT

An innovative solution for sloped ceilings, this monopoint "hang straight" can suspend with a rigid stem up to 4' in length, for ceiling pitches up to 45° while still allowing for a full 90° tilt.

## ORDERING INFORMATION - MONOPOINT

**TITLE 24 COMPLIANT** — JA8-2022 COMPLIANCE INDICATED BY SHADING

| CYLINDER | LENGTH | FIXTURE | BODY FINISH | BAFFLE FINISH | STEM FINISH | CRI / WATTAGE PACKAGE | CCT | OPTIC (UGR) | DRIVER | MEDIA | MOUNTING |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **CM1** | | **HS1** | | | | | | | | | |
| CM1  2.60" | **LENGTHS**<br>**SL** 3" Standard<br>**24** 24"<br>**48** 48"<br><br>**24" AND 48" STEMS ARE FIELD CUTTABLE. 3" STANDARD LENGTH STEM IS MINIMUM LENGTH** | **ADJUSTABLE DRY / DAMP**<br>**HS1** Adjustable 90° Fixture Tilt, Max ceiling pitch 12/12 (45°) | **POWDERCOAT**<br>**WH** White<br>**BK** Black<br>**AB** Architectural Bronze<br>**AG** Satin Silver<br>**AU** Cashmere Gold<br>**BB** Burnt Bronze<br>**CF** Custom Finish*<br>*(Consult Factory)*<br><br>**ALUMINA**<br>**01** Brushed Obsidian<br>**02** Matte Obsidian<br>**03** Brushed Dark Patinated Bronze<br>**04** Matte Dark Patinated Bronze<br>**05** Brushed Aged Aluminum<br>**06** Matte Aged Aluminum<br>**07** Brushed Cast Brass<br>**08** Matte Cast Brass<br>**09** Brushed Light Patinated Bronze<br>**10** Matte Light Patinated Bronze | **POWDERCOAT**<br>**WH** White<br>**BK** Black<br>**AB** Architectural Bronze<br>**AG** Satin Silver<br>**AU** Cashmere Gold<br>**BB** Burnt Bronze<br>**CF** Custom Finish*<br>*(Consult Factory)*<br><br>**ALUMINA**<br>CONSULT FACTORY FOR ALUMINA FINISHES | **POWDERCOAT**<br>**WH** White<br>**BK** Black<br>**AB** Architectural Bronze<br>**AG** Satin Silver<br>**AU** Cashmere Gold<br>**BB** Burnt Bronze<br>**CF** Custom Finish*<br>*(Consult Factory)*<br><br>**ALUMINA**<br>CONSULT FACTORY FOR ALUMINA FINISHES | **STATIC WHITE**<br>**80S11A** 80+ CRI, 11 Watts lm Delivered - 1095<br>**90S11A** 90+ CRI, 11 Watts lm Delivered - 941<br>**97S11A** 97+ CRI, 11 Watts lm Delivered - 826<br><br>**REMOTE STATIC WHITE**<br>**80S17A** 80+ CRI, 17 Watts lm Delivered - 1655<br>**90S17A** 90+ CRI, 17 Watts lm Delivered - 1422<br>**97S17A** 97+ CRI, 17 Watts lm Delivered - 1249<br><br>**WARM DIM**<br>**90W11A** 90+ CRI, 11 Watts Incandescent Profile lm Delivered - 654<br>Halogen Profile lm Delivered - 658<br><br>**REMOTE WARM DIM**<br>**90W18A** 90+ CRI, 18 Watts Incandescent Profile lm Delivered - 1017<br>Halogen Profile lm Delivered - 1017<br><br>SEE PAGE 4 FOR WARM DIM PROFILE COMPARISON<br><br>**REMOTE TUNABLE WHITE**<br>**90T17A** 90+ CRI, 17W Cool Profile: 5000K - 2700K lm Delivered - 888<br>Warm Profile: 4000K - 1800K lm Delivered. - 896<br><br>ALL LM DELIVERED AND T24 COMPLIANCE REFLECT 3000K PAIRED WITH 25° OPTIC AND SOFT FOCUS LENS | **24** 2400K*<br>*(90+ CRI only)*<br>**27** 2700K<br>**30** 3000K<br>**35** 3500K<br>**40** 4000K<br><br>**24** 2400K*<br>*(90+ CRI only)*<br>**27** 2700K<br>**30** 3000K<br>**35** 3500K<br>**40** 4000K<br><br><br>**WL** 2600K - 1800K<br>**WD** 2900K - 1800K<br><br><br>**WL** 2700K - 1800K<br>**WD** 3000K - 1800K<br><br><br><br>**TH** 5000K - 2700K<br>**TR** 4000K - 1800K | **10** 10° (>19)<br>**15** 15° (<13)<br>**20** 20° (<10)<br>**25** 25° (<10)<br>**40** 40° (<10)<br>**60** 60° (<13)<br><br>**10** 10° (>19)<br>**15** 15° (<16)<br>**20** 20° (<10)<br>**25** 25° (<10)<br>**40** 40° (<10)<br>**60** 60° (<16)<br><br>**20** 20° (<10)<br>**25** 25° (<10)<br>**40** 40° (<10)<br>**60** 60° (<13)<br><br>**20** 20° (<10)<br>**25** 25° (<10)<br>**40** 40° (<10)<br>**60** 60° (<13)<br><br>**15** 15° (<13)<br>**20** 20° (<10)<br>**25** 25° (<10)<br>**40** 40° (<10)<br>**60** 60° (<13)<br><br>SEE PAGE 3 FOR UGR RATINGS | **INTEGRAL**<br>**CA** 0-10V Analog 120-277V<br>**CE** Electronic ELV / TRIAC 120V<br><br>**REMOTE (120V)**<br>**RE** Electronic ELV / TRIAC<br><br>**REMOTE (120V-277V)**<br>**RA** 0-10V Analog<br>**LH** Lutron, Hi-Lume Ecosystem 1% Fade to Black<br>**LP** Lutron, Hi-Lume Premier Ecosystem 0.1% Fade to Black<br>**EG** eldoLED, SOLOdrive 0.1% 0-10V, LOG<br>**EN** eldoLED, SOLOdrive 0.1% 0-10V, LIN<br>**ED** eldoLED, SOLOdrive 0.1% DALI-2, LOG<br>**AS1 /** Athena Control<br>**ASR** eldoLED, DUALdrive 0.1%*<br>*(Includes Athena Node. Increased lead time, consult factory. ASR includes shunt.)*<br>**CS1 /** Casambi Control<br>**CSR** eldoLED, DUALdrive 0.1%*<br>*(Includes Athena Node. Increased lead time, consult factory. CSR includes shunt.)*<br><br>**TUNABLE WHITE POWER SUPPLIES (120-277V)**<br>**DD** eldoLED, DUALdrive 0.1% DALI-2, LOG<br>**DG** eldoLED, DUALdrive 0.1% 0-10V, LOG<br>**DN** eldoLED, DUALdrive 0.1% 0-10V, LIN<br>**AD1 /** Athena Control<br>**ADR** eldoLED, DUALdrive 0.1%*<br>*(Includes Athena Node. Increased lead time, consult factory. ADR includes shunt.)*<br>**CD1 /** Casambi Control<br>**CDR** eldoLED, DUALdrive 0.1%*<br>*(Includes Casambi Node. Extended lead time, consult factory. CDR includes shunt)* | **STANDARD MEDIA**<br>**4** Soft Focus Lens*<br>*(Required for 10° optic)*<br><br>**ALTERNATE MEDIA**<br>**2** Honeycomb Louver*<br>*(Not available for Wet Location or Warm Dim)*<br>**3** Clear Glass Lens*<br>*(Not available for Warm Dim)*<br>**5** Frosted Glass Lens<br>**6** Frosted Soft Focus Lens<br>**7** Frosted Linear Spread Lens<br>**S** Soft Focus Lens w/ Honeycomb Louver<br>**F** Frosted Glass Lens w/ Honeycomb Louver<br>**N** No Lens*<br>*(Not available for Wet Location or Warm Dim)* | **ROUGH-IN**<br>**J** JBMP 4" Sq. or 4/0 Junction Box Mounting Plate. Features 2.6" diameter canopy*<br>*(Mounting plate must be installed on junction box prior to ceiling installation)*<br><br>**FINISH OUT**<br>**G** Zero Sightline Gypsum (1/16" Appliquè) Features 2.6" diameter canopy*<br>*(Mounts to 4/0 junction box)*<br>**W** Zero Sightline Millwork Features 2.6" diameter canopy*<br>*(Mounts to 4/0 junction box. Requires accessory part number CMHS-RTG ordered separately.)*<br>**R** Remodel 4.5" Flange Overlay Canopy*<br>*(Mounts to existing 4/0 junction box)* |

## PART NUMBER NOTES

- CM1 ships as e.g., CM124HS1WHBK90S11*3040CA*4F
- Remote driver ships as e.g., PS-RMT-90S-11A-1RE*
- Mounting ships separate from fixture, part numbers listed on page 6.

## FINISHES

### POWDERCOAT FINISHES

| | | | | | |
|---|---|---|---|---|---|
| (WH) White | (BK) Black | (AB) Architectural Bronze | (AG) Satin Silver | (AU) Cashmere Gold | (BB) Burnt Bronze |

### ALUMINA FINISHES BY LUCIFER LIGHTING™

| | | | | |
|---|---|---|---|---|
| (01) Brushed Obsidian | (03) Brushed Dark Patinated Bronze | (05) Brushed Aged Aluminum | (07) Brushed Cast Brass | (09) Brushed Light Patinated Bronze |
| (02) Matte Obsidian | (04) Matte Dark Patinated Bronze | (06) Matte Aged Aluminum | (08) Matte Cast Brass | (10) Matte Light Patinated Bronze |

## ACCESSORIES

### REPLACEMENT MEDIA

☐ **HCL-CT1**    Honeycomb Louver*
***(Not available for Warm Dim)**

☐ **CGL-CT1**    Clear Glass Lens*
***(Not available for Warm Dim)**

☐ **SFL-CT1**    Soft Focus Lens

☐ **FGL-CT1**    Frosted Glass Lens

☐ **FSFL-CT1**    Frosted Soft Focus Lens

☐ **FLSL-CT1**    Frosted Linear Spread Lens

### REPLACEMENT OPTICS
Interchangeable optics accessible by removing baffle.

| Static White | | Warm Dim | | Tunable White | |
|---|---|---|---|---|---|
| ☐ **RO-50-15-S** | 15° optic | ☐ **RO-50-20-W** | 20° optic | ☐ **RO-50-15-S** | 15° optic |
| ☐ **RO-50-20-S** | 20° optic | ☐ **RO-50-25-W** | 25° optic | ☐ **RO-50-20-S** | 20° optic |
| ☐ **RO-50-25-S** | 25° optic | ☐ **RO-50-40-W** | 40° optic | ☐ **RO-50-25-S** | 25° optic |
| ☐ **RO-50-40-S** | 40° optic | ☐ **RO-50-60-W** | 60° optic | ☐ **RO-50-40-S** | 40° optic |
| ☐ **RO-50-60-S** | 60° optic | | | ☐ **RO-50-60-S** | 60° 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, Non-Dimmable

☐ **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, 0-10V Dimmable

**\*SHUNT REQUIRED FOR USE WITH ATHENA AND CASAMBI CONTROLS, CONSULT FACTORY FOR DETAILS.**

### ZERO-SIGHTLINE MILLWORK ROUTER TOOL GUIDE
Required for zero-sightline millwork installations. Factory recommends qty. 2 per order.

☐ **CMHS-RTG**    Router Tool Guide

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As part of its policy of continuous research and product development, the company reserves the right to change or withdraw specifications without prior notice.

[PH] +1-210-227-7329
[FAX] +1-210-227-4967

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# MONOPOINT CM1 HANG STRAIGHT

## PERFORMANCE - 3000K

| LUMEN PACKAGE | WATTAGE | 10° OPTIC FIELD REDUCER | | 15° OPTIC SOFT FOCUS LENS | | 20° OPTIC SOFT FOCUS LENS | | 25° OPTIC SOFT FOCUS LENS | | 40° OPTIC SOFT FOCUS LENS | | 60° OPTIC SOFT FOCUS LENS | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DELIVERED | LPW | DELIVERED | LPW | DELIVERED | LPW | DELIVERED | LPW | DELIVERED | LPW | DELIVERED | LPW |
| 80S11A | 11 | 454 | 41 | 991 | 90 | 1093 | 99 | 1095 | 100 | 1019 | 93 | 1145 | 104 |
| 80S17A | 17 | 619 | 36 | 1435 | 84 | 1701 | 100 | 1655 | 97 | 1513 | 89 | 1640 | 96 |
| | | | | | | | | | | | | | |
| 90S11A | 11 | 391 | 35 | 851 | 86 | 939 | 95 | 941 | 96 | 875 | 89 | 984 | 100 |
| 90S17A | 17 | 532 | 31 | 1233 | 76 | 1461 | 90 | 1422 | 87 | 1300 | 80 | 1409 | 86 |
| | | | | | | | | | | | | | |
| 97S11A | 11 | 337 | 30 | 747 | 68 | 824 | 75 | 826 | 75 | 768 | 70 | 864 | 79 |
| 97S17A | 17 | 460 | 27 | 1083 | 64 | 1283 | 75 | 1249 | 73 | 1141 | 67 | 1237 | 73 |
| | | | | | | | | | | | | | |
| 90W11A (2600K-1800K) | 11 | - | - | - | - | 667 | 60 | 654 | 59 | 605 | 54 | 635 | 58 |
| 90W11A (2900K-1800K) | 11 | - | - | - | - | 661 | 60 | 658 | 59 | 600 | 54 | 640 | 58 |
| 90W18A (2700K-1800K) | 18 | - | - | - | - | 1019 | 56 | 1017 | 56 | 927 | 57 | 997 | 62 |
| 90W18A (3000K-1800K) | 18 | - | - | - | - | 1043 | 57 | 1017 | 56 | 943 | 58 | 991 | 61 |
| | | | | | | | | | | | | | |
| 90T17A (4000K-1800K) | 17 | - | - | 798 | 47 | 917 | 54 | 896 | 53 | 811 | 48 | 910 | 54 |
| 90T17A (5000K-2700K) | 17 | - | - | 791 | 47 | 909 | 53 | 888 | 52 | 803 | 47 | 902 | 53 |

### JA8-2022 INDICATED BY SHADING

#### UNIFIED GLARE RATING

| 10° OPTIC FIELD REDUCER | 15° OPTIC SOFT FOCUS LENS | 20° OPTIC SOFT FOCUS LENS | 25° OPTIC SOFT FOCUS LENS | 40° OPTIC SOFT FOCUS LENS | 60° OPTIC SOFT FOCUS LENS |
|---|---|---|---|---|---|
| >19 | <16 | <10 | <10 | <10 | <16 |

### MEDIA LIGHT LOSS MULTIPLIER

| MEDIA | LIGHT LOSS FACTOR |
|---|---|
| No Lens | 1.05 |
| CGL | 1.00 |
| SFL | 1.00 |
| FGL | 0.85 |
| FSFL | 0.82 |
| FLSL | 0.78 |
| HCL | 0.75 |
| SFL W/ HCL | 0.68 |
| FGL W/ HCL | 0.47 |

### OUTPUT MULTIPLIER

| CCT | CCT SCALE |
|---|---|
| 2400K | 0.85 |
| 2700K | 0.97 |
| 3000K | 1.000 |
| 3500K | 1.03 |
| 4000K | 1.08 |

### TUNABLE WHITE MULTIPLIER

| CCT | 5000K-2700K | 4000K-1800K |
|---|---|---|
| 5000K | 1.16 | - |
| 4000K | 1.08 | 1.14 |
| 3500K | 1.04 | 1.07 |
| 3000K | 1.00 | 1.00 |
| 2700K | 0.96 | 0.92 |
| 2400K | - | 0.84 |
| 1800K | - | 0.69 |

# MONOPOINT CM1 HANG STRAIGHT

## ☀ WARM DIM PERFORMANCE - SOFT FOCUS LENS - 25˚ OPTIC

### INCANDESCENT DIMMING PROFILE

| 90W11AL 2600K - 1800K | Full on 100% | Dimmed to 80% | Dimmed to 70% | Dimmed to 50% | Dimmed to 20% | Dimmed to 10% | Dimmed to 2% |
|---|---|---|---|---|---|---|---|
| CCT (K) | 2600 | 2550 | 2520 | 2450 | 2200 | 1925 | 1800 |
| Light Output (lm) | 654 | 523 | 457 | 327 | 130 | 65 | 13 |
| Power (W) | 11 | 8.8 | 7.7 | 5.5 | 2.2 | 1.1 | .22 |
| Efficacy (LPW) | 59 | 59 | 59 | 59 | 59 | 59 | 59 |
| 90W18AL 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) | 2600 | 2650 | 2620 | 2520 | 2180 | 1950 | 1800 |
| Light Output (lm) | 1017 | 813 | 711 | 508 | 203 | 101 | 203 |
| Power (W) | 18 | 14.4 | 12.6 | 9 | 3.6 | 1.8 | .36 |
| Efficacy (LPW) | 56 | 56 | 56 | 56 | 56 | 56 | 56 |

### HALOGEN WARM DIM PROFILE

| 90W11AD 2900K - 1800K | Full on 100% | Dimmed to 80% | Dimmed to 70% | Dimmed to 50% | Dimmed to 20% | Dimmed to 10% | Dimmed to 2% |
|---|---|---|---|---|---|---|---|
| CCT (K) | 2900 | 2850 | 2800 | 2720 | 2350 | 1975 | 1800 |
| Light Output (lm) | 658 | 526 | 460 | 329 | 131 | 65 | 13 |
| Power (W) | 11 | 8.8 | 7.7 | 5.5 | 2.2 | 1.1 | .22 |
| Efficacy (LPW) | 59 | 59 | 59 | 59 | 59 | 59 | 59 |
| 90W18AD 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 | 2950 | 2920 | 2775 | 2375 | 2000 | 1800 |
| Light Output (lm) | 1017 | 813 | 711 | 508 | 203 | 101 | 203 |
| Power (W) | 18 | 14.4 | 12.6 | 9 | 3.6 | 1.8 | .36 |
| Efficacy (LPW) | 56 | 56 | 56 | 56 | 56 | 56 | 56 |

**11W** / **18W**



**11W** / **18W**

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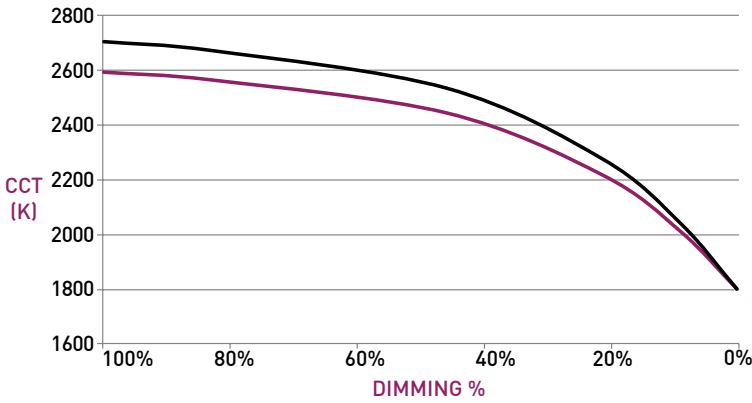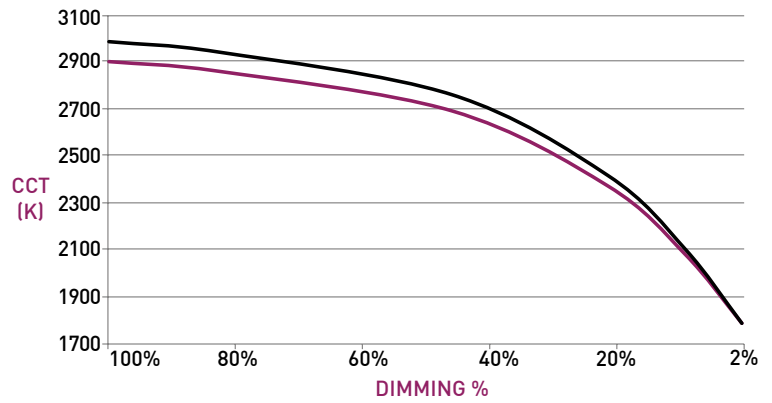
# MONOPOINT CM1 HANG STRAIGHT

## MONOPOINT

**A** **STEM**
Standard length is 3", also available in 24" and 48" lengths. All lengths excepts 3" are field cuttable. Powdercoat finishes standard, consult factory for Alumina finishes.

**B** **BODY**
Available in powdercoat and Alumina finishes. Power supply integrated into fixture body.

**C** **OPTICS**
Robust light engine with optimized optic pairing integrates Reflection, Refraction, and TIR offering 10°, 15°, 20°, 25°, 40° & 60° beams.

**D** **10˚ FIELD REDUCER**
Soft Focus Lens, Honeycomb Louver, and Field Reducer provided with 10° optic. Reduces field angle by 30%.

**E** **MEDIA**
Soft Focus Lens standard. Wet location media sealed in place.

**F** **BAFFLE**
Accepts 2 media devices. Baffle minimizes aperture glare and conceals view into fixture. Powdercoat finishes standard, consult factory for Alumina finishes.

**G** **HANG STRAIGHT CANOPY**
Features hidden ball joint that accomodates installations on up to 12/12 (45° ) sloped ceilings.

**H** **ADJUSTABILITY**
Features locking 90° tilt and 365° rotation. Stem features 45° tilt to accommodate up to 12/12 slopes.

## DIMENSIONS / DRAWINGS



0.175"
Ø2.60" or Ø4.50"
dependent on mounting, see page 5
4.90"
Ø2.60"

45°
3" Standard
48" Max
365°
90°
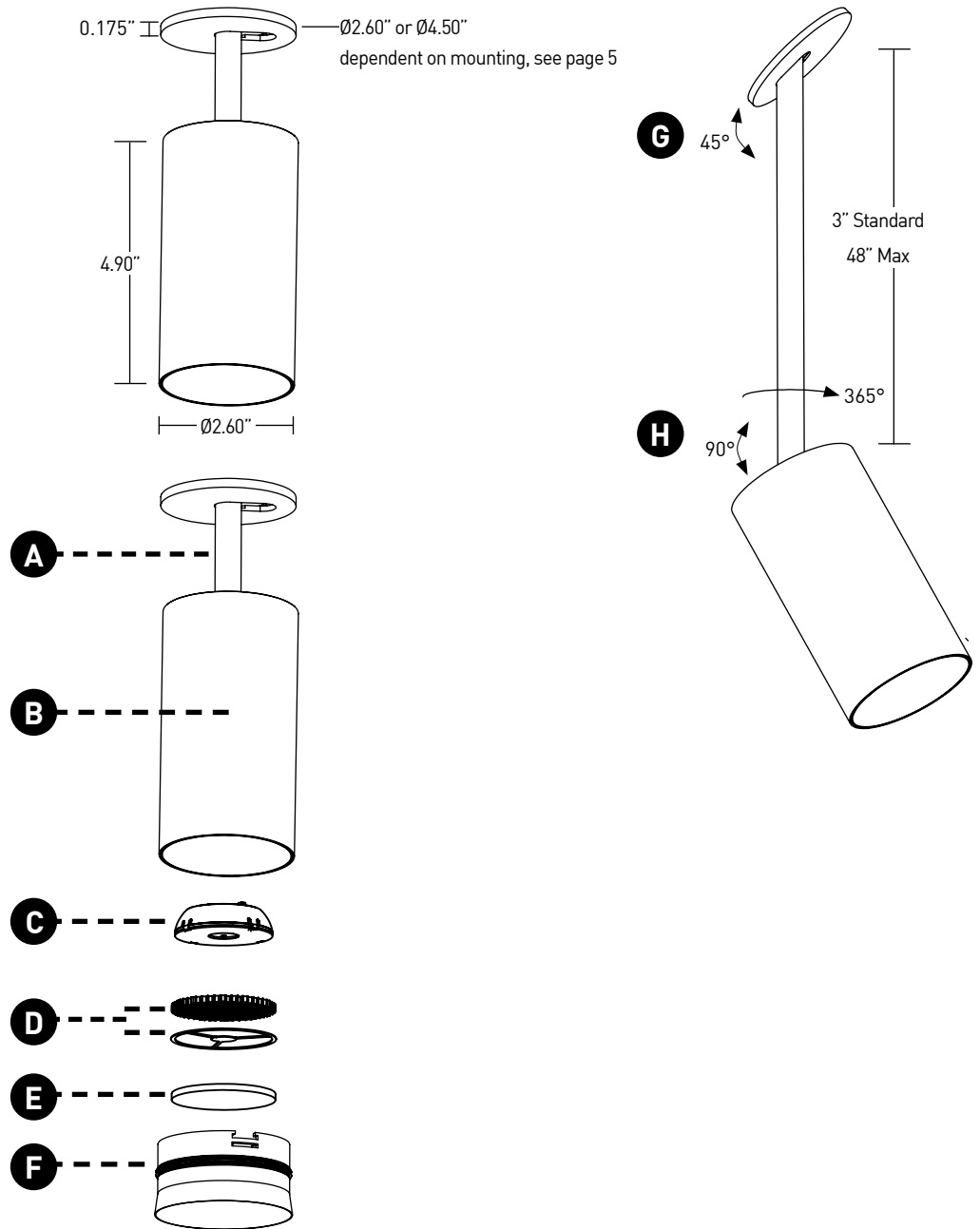
# MONOPOINT CM1 HANG STRAIGHT

## MOUNTING

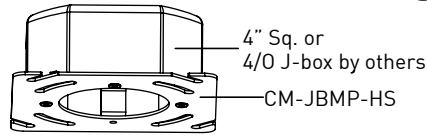**IMPORTANT:** Fixture cannot be installed with pancake junction boxes.

**I JUNCTION BOX MOUNTING PLATE**
Mounting plate (concealed) for standard 4" square or 4" 4/0 j-box . To be installed during rough-in, prior to substrate, for ceiling thicknesses up to 0.75". Fixture to mount flush with minimalist transition to ceiling.

Part Number - CMHS-JBMP

**J ZERO-SIGHTLINE DRYWALL**
Provided with mud-in appliquè that mounts to standard 4" 4/0 junction box. Allows fixture canopy to be recessed into ceiling for a flush or zero-sightline aesthetic. Standard plaster stop thickness of 1/16". Not recommended for stucco applications.

Part Number - DLA-APP-CMHS

**K REMODEL / FLANGE OVERLAY**
Provided with oversized canopy and mounting plate for standard 4" square or 4" 4/0 junction boxes . Ideal for existing applications and features oversized 4.5" canopy to cover standard 4" octagon box cutout.

**L ZERO-SIGHTLINE MILLWORK**
Mounting plate (concealed) for standard 4" square or 4" 4/0 junction boxes. To be installed during rough-in prior to substrate. Router guide, specified separately,  required to make surface bore allowing fixture canopy to be recessed into ceiling for a flush or zero-sightline aesthetic.
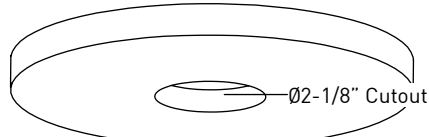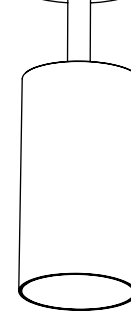
Part Number - CMHS-JBMP

Router Guide Part Number - CMHS-RTG
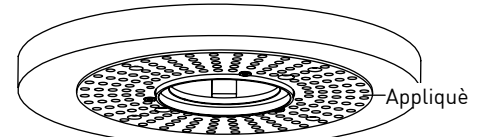
## DIMENSIONS / DRAWINGS

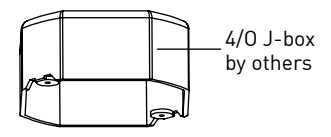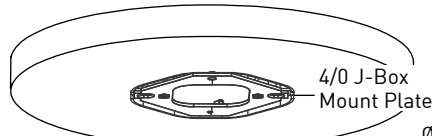**I JUNCTION BOX MOUNTING PLATE**
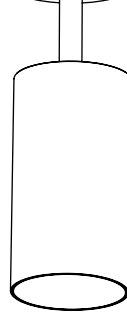


4" Sq. or 4/0 J-box by others
CM-JBMP-HS

**INSTALL JBMP BEFORE CEILING**

Ø2-1/8" Cutout
Ø2.60"

**J ZERO-SIGHTLINE DRYWALL**



4/0 J-box by others

Appliquè
Ø2.60"

**K REMODEL / FLANGE OVERLAY**



Existing 4/0 J-box

4/0 J-Box Mount Plate
Ø4.50"

**L ZERO-SIGHTLINE MILLWORK**



4" Sq. or 4/0 J-box by others
CM-JBMP-HS

**INSTALL JBMP BEFORE CEILING**

Ø2.60" / 0.175" deep surface bore
Ø2-1/8" Cutout
Ø2.60"

Router Tool Guide

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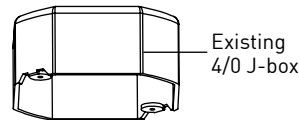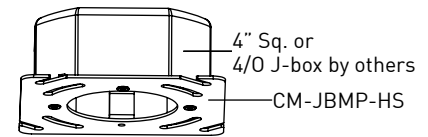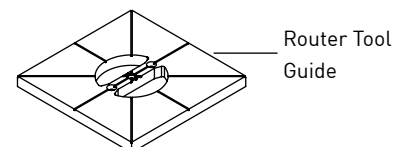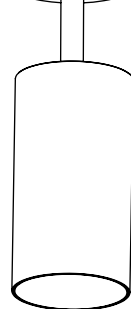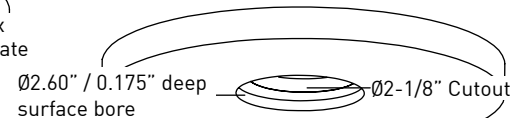
# MONOPOINT CM1 HANG STRAIGHT

## REMOTE POWER SUPPLY

**M** Remote power supply provides additional driver options. See page 8 for maximum allowable wiring distance. Must be installed in an accessible location.

**N** ATHENA / CASAMBI CONTROL
Controls integrated into remote driver assembly. All equipment is serviceable.
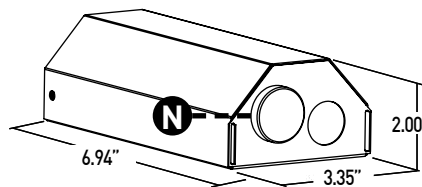
Athena Model Numbers: A-WN-D01-RF-BL & DFC-OEM-DBI

Casambi Model Number: BT-S1E1-5400

**O** ATHENA / CASAMBI EM SHUNT
Inlcuded with drivers specified as ASR, ATR, CSR, or CTR. One required for each wireless EM fixture, requires class 2 control wiring between fixture and shunt. Features integrated test switch.

Model Number: PS-RMT-SHUNT
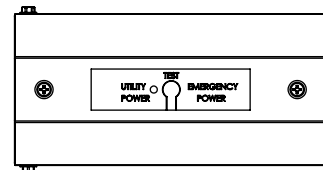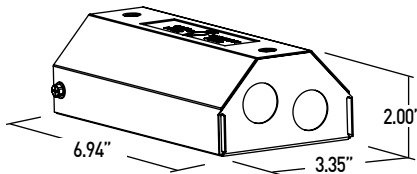
## DIMENSIONS / DRAWINGS

**M**



6.94"
3.35"
2.00"

**O**

ATHENA / CASAMBI
EM SHUNT



6.94"
3.35"
2.00"



UTILITY POWER  TEST  EMERGENCY POWER

LUCIFER® LIGHTING COMPANY

[PH] +1-210-227-7329
[FAX] +1-210-227-4967

[DATE OF REV: 09192024]

## TECHNICAL

### CONSTRUCTION
<u>Monopoint</u>: Machined aluminum body; painted finishes are granulated powder coat; Alumina finishes are anodized aluminum.
<u>Remote Power Supply</u>: 22 Gauge galvanized steel.
<u>Appliqué</u>: Machined Aluminum

### STATIC WHITE LED
2-step MacAdam ellipse LED module available in 80+, 90+ and 97+ CRI configurations in color temperatures of 2700K, 3000K, 3500K and 4000K. 3-step MacAdam ellipse LED module available in 90+ CRI configurations in color temperature of 2400K. Average rated lamp life of 50,000 hours.

### WARM DIM LED
3-step MacAdam ellipse warm dim LED module available in 90+ CRI configuration. 3000K or 2700K at full brightness, warming to 1800K at full dim.  Average rated lamp life of 50,000 hours.

### TUNABLE WHITE LED
3-step MacAdam ellipse tunable white LED module available in 90+ CRI configuration. Features tuning ranges of 1800K to 4000K and 2700K to 5000K.  Average rated lamp life of 50,000 hours.

### POWER SUPPLY PERFORMANCE AND DIMMING INFORMATION

|  | PHASE | ECO | | 0-10V | | | | | | | DALI-2 | | ATHENA | | CASAMBI | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Power Supply | CE/RE | LH | LP | CA/RA | SG | SN | EG | EN | DG | DN | ED | DD | AS | AT | CS | CT |
| Minimum °C | -20 °C | 0 °C | 0 °C | -20 °C | -20 °C | -20 °C | -20 °C | -20 °C | -20 °C | -20 °C | -20 °C | -20 °C | -20 °C | -20 °C | -20 °C | -20 °C |
| Maximum °C | 40 °C | 40 °C | 40 °C | 40 °C | 40 °C | 40 °C | 40 °C | 40 °C | 40 °C | 40 °C | 40 °C | 40 °C | 40 °C | 40 °C | 40 °C | 40 °C |
| Dimming % | 2.0% | 1.0% | 0.1% | 2.0% | 1.0% | 1.0% | 0.1% | 0.1% | 0.1% | 0.1% | 0.1% | 0.1% | 0.1% | 0.1% | 0.1% | 0.1% |

Note: For LH, LP, SG, SN, EG, EN, DG, and DN drivers consult chart on page 9 to confirm appropriate dimming curve for compatibility with selected control.

### MAXIMUM ALLOWABLE REMOTE DRIVER WIRING DISTANCES

|  | WIRE AWG | | | | |
|---|---|---|---|---|---|
| DRIVER | 12 | 14 | 16 | 18 | 20 |
| RA, RE | - | 164´ | 105´ | 66´ | 40´ |
| SG, SN | 285´ | 180´ | 113´ | 71´ | 45´ |
| LH, LP | 60´ | 40´ | 25´ | 15´ | - |
| EG, EN, ED, DG, DN, DD, AS, AT, CS, CT | - | - | 118´ | 72´ | 46´ |

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

### DECLARE
LBC Red List Approved.

### BUY AMERICA ACT
All CM1 Hang Straight fixtures are BAA compliant.

### LIMITED WARRANTY
Manufacturer's Limited Warranty guarantees product(s) listed to be free from defects in material and workmanship under normal use and service for 1-year. LED and power supplies are warranted to operate with 70% of original flux and remain within a range of 3 duv for a period of 5-years. 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. 02/13/2024: ADDED TUNABLE WHITE OFFERING.
2. 03/18/2024: UPDATED 10 DEGREE NARROW BEAM TO UTILIZE FILED REDUCER.
3. 07/15/2024: REMOVED L2 DRIVER OFFERING.
4. 09/19/2024: UPDATED WITH NEW BAFFLE DESIGN.

## DIMMING COMPATABILITY

### PHILIPS DRIVER COMPATIBILITY

| Power supply SG Manufacturer | Family/Model # |
|---|---|
| Lutron Electronics | DVTV plus PP-DV |
| Lutron Electronics | DVSCTV plus PP-DV |
| Lutron Electronics | DVSTV |
| Lutron Electronics | DVSCSTV |
| Lutron Electronics | QSGRJ-XP plus GRX-TVI |
| Lutron Electronics | QSGRJ-XE plus GRX-TVI |
| Lutron Electronics | QSGR-XE plus GRX-TVI |
| Lutron Electronics | NFTV plus PP-DV |
| Lutron Electronics | NTSTV |
| Lutron Electronics | RMJ-5T |
| Lutron Electronics | RMJS-8T |
| Lutron Electronics | FCJS-010 |
| Leviton | IllumaTch IP7 series |
| Philips | Sunrise - SR1200ZTUNV |

### LUTRON DRIVER COMPATIBILITY

| Power supply LH / LP Lutron Product Family | Part No. |
|---|---|
| PowPak Dimming Modules | RMJ-ECO32-DV-B |
| PowPak Dimming Modules | FCJ/FCJS-ECO |
| Energi Savr Nodes | QSN-1ECO-S |
| GRAFIK Eye QS control unit Homeworks QS control unit | QSN-2ECO-S |
| GRAFIK Eye QS control unit Homeworks QS control unit | QSGRJ-_E (wireless) QSGR-_E |
| Quantum Hub | QP2-_ _ 2C |
| Quantum Hub | QP2-_ _ 4C |
| Quantum Hub | QP2-_ _ 6C |
| Quantum Hub | QP2-_ _ 8C |
| Homeworks QS power module myRoom Plus power module | LQSE-2ECO-D |

LUTRON
2016 OEM
ADVANTAGE
ACCOUNT

### eldoLED DRIVER COMPATIBILITY

| Power supply EG, DG Manufacturer | Family/Model # |
|---|---|
| Busch-Jaeger | 2112U-101 |
| Jung | 240-10 |
| Leviton Lighting Controls | IP710-DLX |
| Lightolier Controls | ZP600FAM120 |
| Merten | 5729 |
| Pass & Seymour | CD4FB-W |
| The Watt Stopper | DCLV1 |
| Synergy | ISD BC |
| Crestron® | GLX-DIMFLV8 |
| Crestron® | GLXP-DIMFLV8 |
| Crestron® | GLPAC-DIMFLV4-* |
| Crestron® | GLPAC-DIMFLV8-* |
| Crestron® | GLPP-DIMFLVEX-PM |
| Crestron® | GLPP-1DIMFLV2EX-PM |
| Crestron® | GLPP-1DIMFLV3EX-PM |
| Crestron® | DIN-AO8 |
| Crestron® | DIN-4DIMFLV4 |
| Crestron® | CLS-EXP-DIMFLV |
| Crestron® | CLCI-1DIMFLV2EX |

| Power supply EN, DN Manufacturer | Family/Model # |
|---|---|
| Lutron Electronics | Nova T® - NTFTV |
| Lutron Electronics | Diva® - DVTV |
| Lutron Electronics | Nova® - NFTV |
| Lutron Electronics | GrafixEye® GRX-TVI w GRX3503 |
| Lutron Electronics | Energy Savr Node™ - QSN-4T16-S |
| Lutron Electronics | TVM2 Module |
| Sensor Switch | nIO EZ |
| ABB | SD/S 2.16.1 |

## ANALOG DRIVERS AND DIMMERS



DIMMER     DRIVER     OUTPUT

LIN* → LIN* → *STATIC WHITE ONLY ✓

LOG ←VICE VERSA→ LIN → ✓

LOG → LOG → ✗

LIN = LINEAR
LOG = LOGARITHMIC
*LIN-TO-LIN NOT COMPATIBLE FOR WARM-DIM

LUCIFER® LIGHTING COMPANY
[DATE OF REV: 09192024]
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As part of its policy of continuous research and product development, the company reserves the right to change or withdraw specifications without prior notice.
[PH] +1-210-227-7329
[FAX] +1-210-227-4967
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