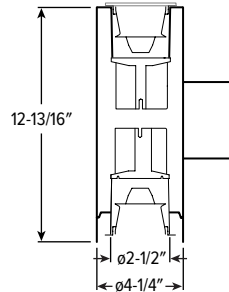


4CSDI dim to **WARM** 4" Compact Direct/Indirect Cylinder – Square



CATALOG #: _____

TYPE: _____

PROJECT: _____



ORDERING EXAMPLE: 4CSDI - 13 - L12/9DWU/L12/9DWD - RDB - OPTIONS - WHT - DIM1 - UNV - LW/LM - WH - TRIM OPTIONS - WM
HOUSING TRIM MOUNT.

HOUSING

| SERIES | HEIGHT | LUMEN PACKAGE (Example: L12/9DWU/L7/9DWD) | REMOTE | OPTIONS |
|--------|--------|--|---|--|
| 4CSDI | 13 13" | Specify lumen packages: U for Uplight and D for Downlight LUMENS ^[3] COLOR U OR D | RDB Remote mount control/driver box, galvanized steel ^[1] | EM/10WRM/RTS Remote mount 10-watt emergency battery with regressed test switch ^[2] |
| | | L7 700lm 9DW Dim to warm (95 CRI, 1800K – 3000K) U Uplight | | |
| | | L12 1,200lm D Downlight | | |

| HOUSING FINISH ^[4] | CONTROL | VOLTAGE |
|-------------------------------------|---|---------------------|
| ALUM Silver sparkle aluminum | See page 3 for CONTROL DETAILS. | UNV 120-277V |
| BLK Textured black | DIM1 1% dimming driver (0-10V signal to control dimming and CCT) | 347 347V |
| BRZ Textured bronze | LUT Lutron Ecosystem enabled | |
| NKL Textured nickel | | |
| SLV Textured silver | | |
| WHT Textured white | | |

TRIM

| TRIM TYPE AND DISTRIBUTION ^[5] (Example Uplight/Downlight: LW/LM) | REFLECTOR FINISH ^[6] | TRIM OPTIONS |
|---|---------------------------------------|--|
| TRIM TYPE DISTRIBUTION | Downlight Open Trim Types | AD Diffuse acrylic lens ^[7] |
| Uplight | CS Clear semi-specular anodize | PD Diffuse 1/8" polycarbonate lens ^[8] |
| L Flush lens ^[9] | SG Satin-glow anodize | |
| W 50° Wide | GD Gold anodize | |
| M 30° Medium | CG Champagne gold anodize | |
| Downlight | PW Pewter anodize | |
| O Open reflector | SPC Clear specular anodize | |
| L Flush lens | RG Rose gold anodize | |
| R Regressed lens | | |
| M 30° Medium | | |
| N 20° Narrow ^[10] | | |

MOUNTING

MOUNTING TYPE ^[11]

WM Wall mount

NOTES

- Painted driver box available, specify RDB/BLK or RDB/WHT.
- Max remote distance 50', including suspension length. Large remote box provided. EM light defaults to downlight output. Specify CEC in option code when California Energy Commission regulations are required. See page 3 for EMERGENCY BATTERY DETAILS.
- Lumen output based on L Trim Type, W Distribution and WH Reflector Finish, 95 CRI/3000K CCT. Actual performance may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA
- See page 4 for HOUSING FINISH DETAILS.
- Beam angle based on L Trim Type and WH Reflector Finish. Trim Type affects beam angle. See page 2 for FIXTURE PERFORMANCE DATA.
- Specified for Downlight Trim Type only. See page 4 for REFLECTOR FINISH DETAILS.
- Not available with O Trim Type. Downlight only. W Distribution only.
- Not available with O Trim Type. Downlight only. W Distribution only.
- Trim finish matches Housing Finish. Other colors available, consult factory.
- Not available with L12 lumen package
- See page 4 for FIXTURE DETAILS.



4CSDI dim to WARM

4" Compact Direct/Indirect Cylinder – Square

FEATURES

- Engineered to deliver great performance in a sleek, space-saving design
- Mimic the comfortable, welcoming glow of incandescent with warm-dimming technology
- Smoothly accent walls and eliminate dark ceilings with direct and indirect lighting
- Parallel the performance and style of the Williams downlight collection
- Superior optical control with beams as narrow as 20° and field changeable optics as wide as 50°
- Complement the architectural elements of any space with a multitude of housing and trim finishes
- Precision-engineered extruded aluminum housing and die-cast aluminum trim face for clean aesthetic
- Low UGR meets LEED and WELL requirements
- Made Right Here® in the USA

SPECIFICATIONS

- HOUSING** – Extruded aluminum with die-cast aluminum accent ring.
- FINISH** – Polyester powder coat bonded to phosphate-free, multi-stage pretreated metal. All parts painted after fabrication to facilitate installation, increase efficiency, and inhibit corrosion.
- OPEN REFLECTOR** – Low-iridescent anodized aluminum with top diffuser. Clear semi-specular finish standard.
- LENSED TRIM** – Die-cast aluminum frame with micro-prismatic lens (acrylic downlight, tempered glass uplight).
- ELECTRICAL** – High-performance Class 2 C.O.B. LED array. Modular quick-connect plug for easy field-connection of LED light assembly to driver. Reported L70>55,000 hours. Reported L90 = 49,000 hours. Estimated L70 = 179,000 hours.
- MOUNTING** – Wall mount. Indoor applications only. Control, driver, and EM battery installed in remote mount box.
- LISTINGS** –
 - cCSAus conforms to UL STD 1598 and UL STD 8750. Certified to CAN/CSA STD C22.2 No. 250.0. Suitable for dry and damp locations.
 - Complies with the Buy American Act and other federal regulations. Request certification at hew.com/baa.
- WARRANTY** – 5-year limited warranty, see hew.com/warranty.

FIXTURE PERFORMANCE DATA

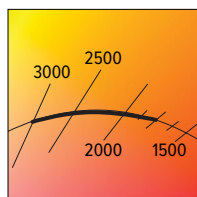
| | | | | DOWNLIGHT | | | | | | | | UPLIGHT | | |
|-----|-------|-------|---|-----------|------------------|-----------------|------------------|-----------------|------------------|-----------------|---------|------------------|-----------------|--|
| | | | | WATTAGE | FLUSH LENS | | OPEN REFLECTOR | | REGRESSED LENS | | WATTAGE | FLUSH LENS | | |
| | | | | | DELIVERED LUMENS | EFFICACY (lm/W) | DELIVERED LUMENS | EFFICACY (lm/W) | DELIVERED LUMENS | EFFICACY (lm/W) | | DELIVERED LUMENS | EFFICACY (lm/W) | |
| L7 | 3000K | 1800K | W | 14.8 | 729 | 49 | 528 | 36 | 734 | 50 | 14.8 | 830 | 56 | |
| | | | M | 14.8 | 731 | 49 | 500 | 34 | 720 | 49 | 14.8 | 832 | 56 | |
| | | | N | 14.8 | 708 | 48 | 516 | 35 | 708 | 48 | — | — | — | |
| L12 | | | W | 23.3 | 1263 | 54 | 915 | 39 | 1273 | 55 | 23.3 | 1438 | 62 | |
| | | | M | 23.3 | 1267 | 54 | 867 | 37 | 1248 | 54 | 23.3 | 1442 | 62 | |
| | | | N | — | — | — | — | — | — | — | — | — | — | |

MULTIPLIER TABLES

| | REFLECTOR FINISH | |
|--------|-------------------|-------------------|
| | CATALOG NUMBER | CONVERSION FACTOR |
| O TRIM | CS | 1.00 |
| | SG ⁽¹⁾ | 0.92 |
| | GD | 0.93 |
| | CG | 0.96 |
| | PW | 0.86 |
| | SPC | 1.02 |
| | RG | 0.88 |

| | REFLECTOR FINISH | |
|--------|-------------------|-------------------|
| | CATALOG NUMBER | CONVERSION FACTOR |
| R TRIM | WH | 1.00 |
| | CS ⁽¹⁾ | 0.98 |
| | BL ⁽¹⁾ | 0.79 |
| | BZ ⁽¹⁾ | 0.76 |
| | NK ⁽¹⁾ | 0.81 |
| | SV ⁽¹⁾ | 0.81 |
| | AL ⁽¹⁾ | 0.86 |

- Photometrics tested in accordance with IESNA LM-79. Results based on WH (L and R Trim Types) or CS (O Trim Type) Reflector Finish, W Distribution, 95 CRI/3000K CCT, average wattage for 120V input, and 25°C ambient temperature. Actual performance may vary +/-5%.
- Wattage is for downlight or uplight components. Add wattages together for selected lumen packages to find total fixture wattage.
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
- Use multiplier tables to calculate additional options.



BEAM ANGLE

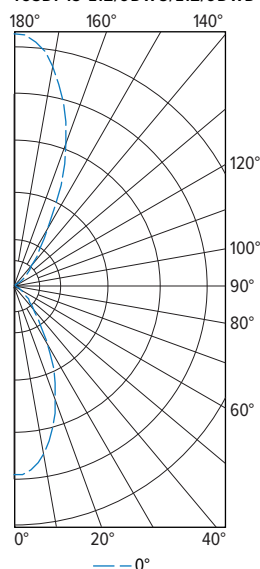
| | TRIM TYPE | | |
|---|-----------|------|-----------|
| | FLUSH | OPEN | REGRESSED |
| W | 50° | 50° | 55° |
| M | 30° | 47° | 30° |
| N | 20° | 47° | 20° |

| TRIM OPTIONS | |
|----------------|-------------------|
| CATALOG NUMBER | CONVERSION FACTOR |
| AD | 0.85 |
| PD | 0.85 |

¹ Distribution will also be affected, consult factory.

PHOTOMETRY

4CSDI-13-L12/9DWU/L12/9DWD-WHT-DIM1-UNV-OW/OW-CS-WM Total Luminaire Output: 2005 lumens; 46.6 Watts | Efficacy: 43 lm/W | 95 CRI; 3000K CCT



| | VERTICAL ANGLE | HORIZONTAL ANGLE | ZONAL LUMENS |
|--------------------------|----------------|------------------|--------------|
| | | 0° | |
| CANDLEPOWER DISTRIBUTION | 0 | 1153 | |
| | 5 | 1126 | 104 |
| | 15 | 897 | 248 |
| | 25 | 560 | 255 |
| | 35 | 254 | 167 |
| | 45 | 117 | 93 |
| | 55 | 42 | 43 |
| | 65 | 1 | 6 |
| | 75 | 0 | 0 |
| | 85 | 0 | 0 |
| | 90 | 0 | |
| | 95 | 1 | 2 |
| | 105 | 1 | 3 |
| | 115 | 3 | 8 |
| | 125 | 40 | 44 |
| | 135 | 127 | 98 |
| | 145 | 269 | 180 |
| | 155 | 670 | 301 |
| | 165 | 1151 | 314 |
| | 175 | 1487 | 137 |
| | 180 | 1528 | |

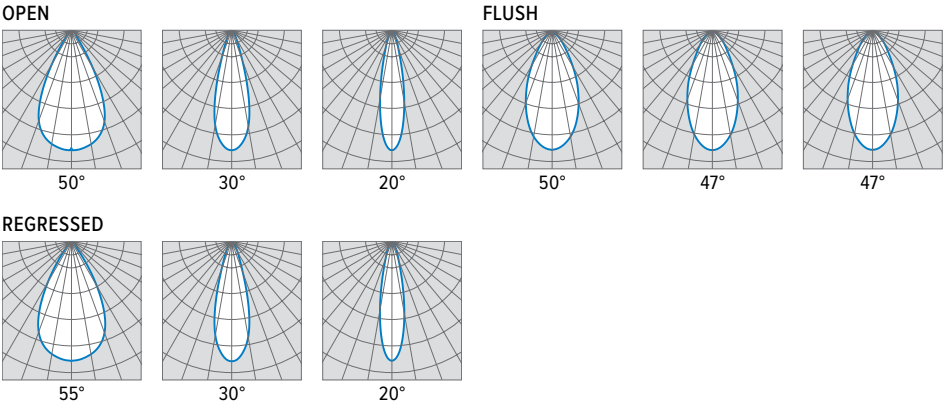
| | ZONE | LUMENS | % FIXTURE |
|---------------|----------|--------|-----------|
| | | | |
| LUMEN SUMMARY | 0 - 30 | 607 | 30 |
| | 0 - 40 | 774 | 39 |
| | 0 - 60 | 910 | 45 |
| | 0 - 90 | 917 | 46 |
| | 90 - 120 | 12 | 1 |
| | 90 - 150 | 334 | 17 |
| | 90 - 180 | 1087 | 54 |
| | 0 - 180 | 2005 | 100 |

PHOTOMETRY CONTINUED ON NEXT PAGE.



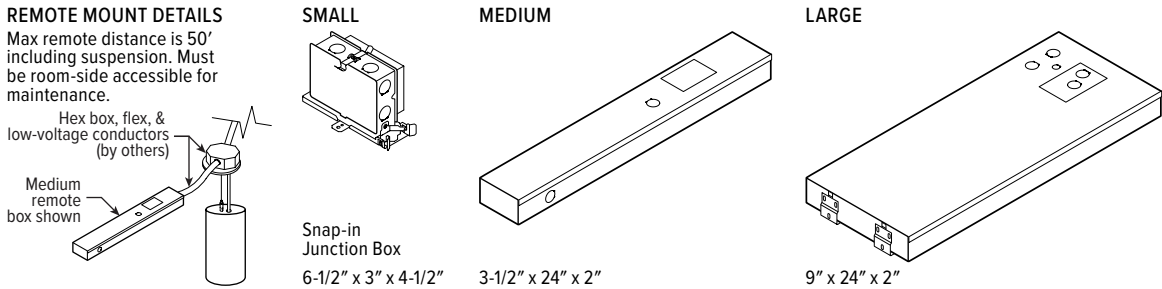
4CSDI

dim to **WARM**
4" Compact Direct/Indirect Cylinder – Square

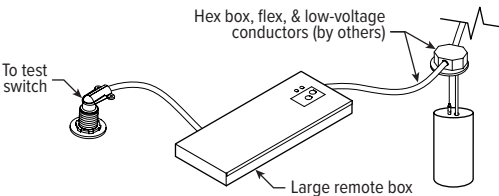


CONTROL DETAILS

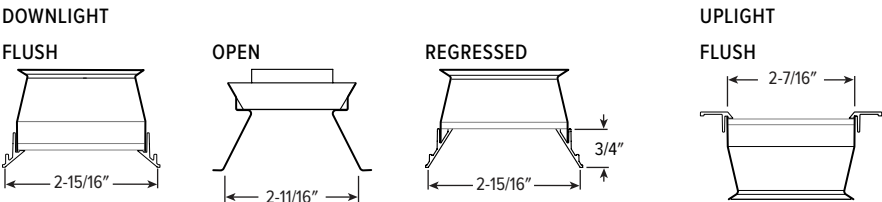
| CONTROL | DESCRIPTION | RDB DETAILS BY LUMEN STOP | | | REMOTE MOUNT KEY | |
|---------|---|---------------------------|-------|-------|------------------|-------------------------|
| | | L7 | L12 | w/EM | R S | |
| DIM1 | 1% dimming driver (0-10V signal to control dimming and CCT) prewired for low voltage applications | R S | R S | R L | R M | RDB Required, Small Box |
| LUT | Lutron Ecosystem enabled | R M | R M | R L | R L | RDB Required, Large Box |



EMERGENCY BATTERY DETAILS



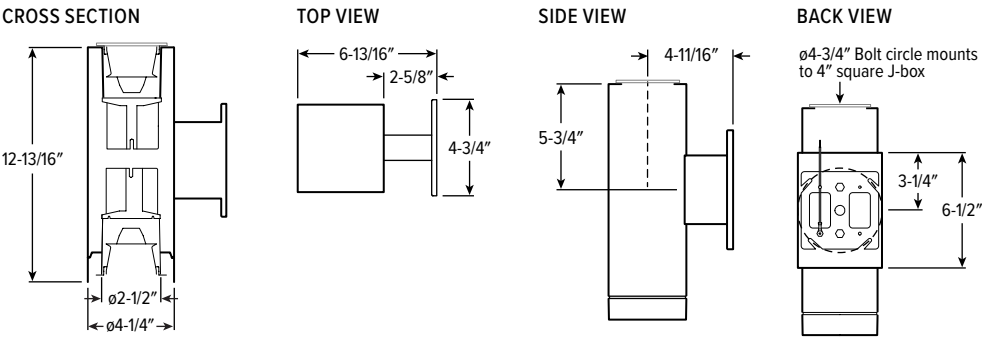
TRIM TYPE DETAILS



4CSDI

dim to **WARM**
4" Compact Direct/Indirect Cylinder – Square

FIXTURE DETAILS



HOUSING FINISH DETAILS



REFLECTOR FINISH DETAILS

