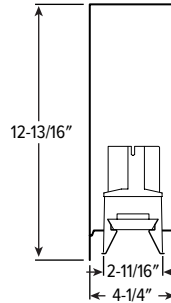


4CS dim to **WARM** 4" Cylinder – Square



CATALOG #: _____

TYPE: _____

PROJECT: _____



TwistLock™

ORDERING EXAMPLE: 4CS - 13 - L12/9DW - OPTIONS - WHT - DIM1 - UNV - LW - WH - TRIM OPTIONS - CM

HOUSING TRIM MOUNT.

HOUSING

| SERIES | HEIGHT | LUMENS ^[1] | COLOR | OPTIONS | HOUSING FINISH ^[2] | CONTROL | VOLTAGE |
|--------|--------|-------------------------|---|---|---|---|--------------------------|
| 4CS | 13 13" | L7 700lm L12 1,200lm | 9DW Dim to warm (95 CRI, 1800K – 3000K) | EM/10WRM/RTS Remote mount 10-watt emergency battery with regressed test switch ^[3] RDB Remote mount control/driver box, galvanized steel ^[4] | ALUM Silver sparkle aluminum BLK Textured black BRZ Textured bronze NKL Textured nickel SLV Textured silver WHT Textured white | See page 3 for CONTROL DETAILS. DIM1 1% dimming driver (0-10V signal to control dimming and CCT) LUT Lutron Ecosystem enabled | UNV 120-277V 347 347V |

TRIM

| TRIM TYPE | DISTRIBUTION ^[5] | REFLECTOR FINISH ^[6] | TRIM OPTIONS |
|------------------|-----------------------------|------------------------------------|---|
| L Flush lens | W 50° Wide | Open Trim Types | AD Diffuse acrylic lens ^[8] |
| O Open reflector | M 30° Medium | CS Clear semi-specular anodize | PD Diffuse 1/8" polycarbonate lens ^[9] |
| R Regressed lens | N 20° Narrow ^[7] | SG Satin-glow anodize | |
| | | GD Gold anodize | |
| | | CG Champagne gold anodize | |
| | | PW Pewter anodize | |
| | | SPC Clear specular anodize | |
| | | RG Rose gold anodize | |
| | | Lens Trim Types | |
| | | CS Clear semi-specular powder coat | |
| | | WH White texture powder coat | |
| | | BL Black texture powder coat | |
| | | BZ Bronze texture powder coat | |
| | | NK Nickel texture powder coat | |
| | | SV Silver texture powder coat | |
| | | AL Silver sparkle aluminum | |

MOUNTING

MOUNTING TYPE ^[10]

CM__ Adjustable aircraft dual cable mount, 24", 48", 96", or 144" only, must specify. Example: 24" cable = **CM24** ^[11]

PM__ Pendant mount. Example: 24" pendant = **PM24** ^[12]

PC__ Power cord mount. Example: 24" cord = **PC24** ^[13]

SM TwistLock surface mount to octagonal J-box

WM Wall mount

NOTES

- ¹ Lumen output based on L Trim Type, W Distribution and WH Reflector Finish, 95CRI/3000K CCT. Actual performance may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA
- ² See page 3 for HOUSING FINISH DETAILS.
- ³ Max remote distance 50', including suspension length. Large remote box provided. Specify CEC in the option code when California Energy Commission regulations are required. See page 3 for EMERGENCY BATTERY DETAILS.
- ⁴ Painted driver box available, specify RDB/BLK or RDB/WHT.
- ⁵ Beam angle based on L Trim Type and WH Reflector Finish. Trim Type affects beam angle. See page 2 for FIXTURE PERFORMANCE DATA.
- ⁶ See page 4 for REFLECTOR FINISH DETAILS.

- ⁷ Not available with L12 lumen package.
- ⁸ Not available with O Trim Type. W Distribution only.
- ⁹ Not available with O Trim Type. W Distribution only.
- ¹⁰ See page 4 for MOUNTING DETAILS.
- ¹¹ Canopy painted white unless specified otherwise. Must specify cord. See page 4 for CORD OPTIONS.
- ¹² Specify length in 1" increments, minimum 6". Canopy and pendant match fixture housing color unless specified otherwise.
- ¹³ 48" and 96" lengths available. Canopy painted white unless specified otherwise. Must specify cord. See page 4 for CORD OPTIONS.



4CS dim to WARM

4" Cylinder – Square

FEATURES

- Mimic the comfortable, welcoming glow of incandescent with warm-dimming technology
- Slim profile for unobtrusive illumination
- Parallel the performance and style of the Williams downlight collection
- Precision illumination with 20° narrow to 50° wide optics
- Complement the architectural elements of any space with a multitude of housing, trim and cord finishes
- Limitless application opportunities via pendant, cable, power cord, wall and ceiling mounts
- Ensure a simple and secure installation with TwistLock™ surface mount technology
- Precision-engineered extruded aluminum housing and die-cast aluminum trim face for clean aesthetic
- Variety of cord colors available in standard or braided for custom design
- 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, acrylic lens.
- 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 – Surface, cable, pendant, power cord or wall mount. Indoor applications only. Max weight 5-5/8 lbs.
- 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

| | | | | | FLUSH LENS TRIM TYPE | | OPEN REFLECTOR TRIM TYPE | | REGRESSED LENS TRIM TYPE | |
|-----|------------------------------|-------------------------|--------------|---------|----------------------|--------------------|--------------------------|--------------------|--------------------------|--------------------|
| | CCT AT 100% (FULL OUTPUT) | CCT AT 1% (FULL DIM) | DISTRIBUTION | WATTAGE | 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 |
| | | | M | 14.8 | 731 | 49 | 500 | 34 | 720 | 49 |
| | | | N | 14.8 | 708 | 48 | 516 | 35 | 708 | 48 |
| L12 | | | W | 23.3 | 1263 | 54 | 915 | 39 | 1273 | 55 |
| | | | M | 23.3 | 1267 | 54 | 867 | 37 | 1248 | 54 |
| | | | N | — | — | — | — | — | — | — |

MULTIPLIER TABLES

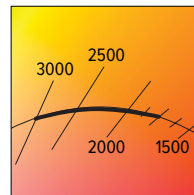
| | REFLECTOR FINISH | |
|--------|-------------------|-------------------|
| | CATALOG NUMBER | CONVERSION FACTOR |
| O TRIM | CS | 1.00 |
| | SG ⁽¹⁾ | 0.92 |
| | GD | 0.93 |
| | CG | 0.96 |
| | PW | 0.86 |
| | SPC | 1.02 |
| | RG | 0.88 |

| | 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 |

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

BEAM ANGLE

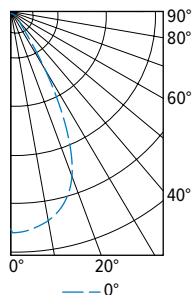
| | TRIM TYPE | | |
|---|-----------|------|-----------|
| | FLUSH | OPEN | REGRESSED |
| W | 50° | 50° | 55° |
| M | 30° | 47° | 30° |
| N | 20° | 47° | 20° |



- Distribution will also be affected, consult factory.
- 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%.
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
- Use multiplier tables to calculate additional options.

PHOTOMETRY

4CS-13-L12/9DW-DIM1-UNV-LW-WH Total Luminaire Output: 1263 lumens; 23.3 Watts | Efficacy: 54 lm/W | 95 CRI; 3000K CCT



| CANDLEPOWER DISTRIBUTION | VERTICAL ANGLE | HORIZONTAL ANGLE | ZONAL LUMENS |
|--------------------------|----------------|------------------|--------------|
| | | 0° | |
| | 0 | 1460 | |
| | 5 | 1474 | 137 |
| | 15 | 1332 | 366 |
| | 25 | 840 | 391 |
| | 35 | 212 | 179 |
| | 45 | 86 | 77 |
| | 55 | 56 | 54 |
| | 65 | 36 | 37 |
| 75 | 18 | 19 | |
| 85 | 4 | 4 | |
| 90 | 0 | | |

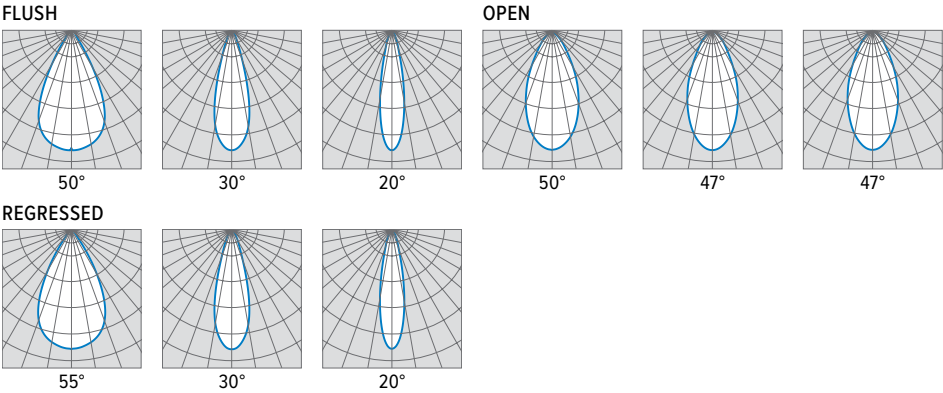
| | LUMEN SUMMARY | | |
|---------------|---------------|--------|-----------|
| | ZONE | LUMENS | % FIXTURE |
| LUMEN SUMMARY | 0 - 40 | 1073 | 85 |
| | 0 - 60 | 1203 | 95 |
| | 0 - 90 | 1263 | 100 |
| | 0 - 180 | 1263 | 100 |

PHOTOMETRY CONTINUED ON NEXT PAGE.



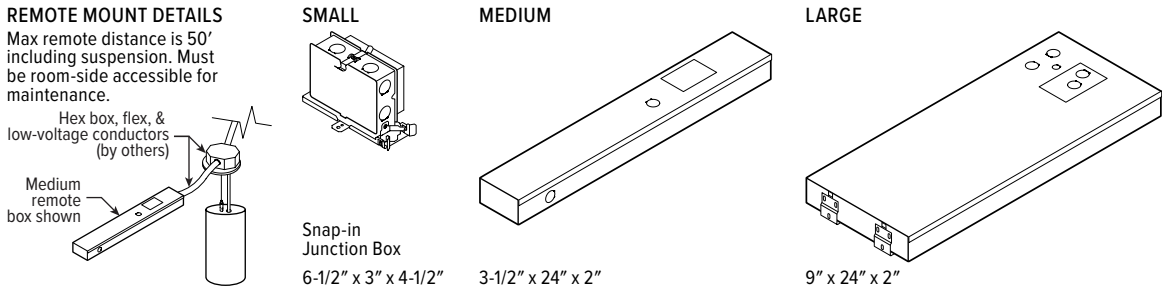
4CS dim to **WARM**

4" Cylinder – Square

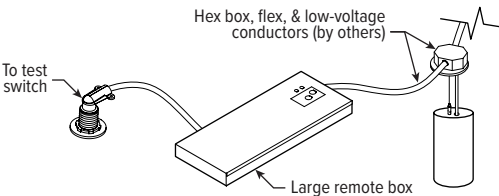


CONTROL DETAILS

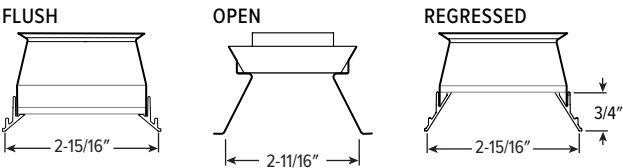
| CONTROL | DESCRIPTION | RDB DETAILS BY LUMEN STOP | | | REMOTE MOUNT KEY | |
|---------|---|---------------------------|-------|-------|------------------|--------------------------|
| | | L7 | L12 | w/EM | O S | RDB Optional, Small Box |
| DIM1 | 1% dimming driver (0-10V signal to control dimming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



EMERGENCY BATTERY DETAILS



TRIM TYPE DETAILS



HOUSING FINISH DETAILS



4CS dim to WARM

4" Cylinder – Square

REFLECTOR FINISH DETAILS

Smooth Finish

SPC

SG

PW

GD

CG

RG

CS

AL

Textured Finish

WH

BL

BZ

NK

SV

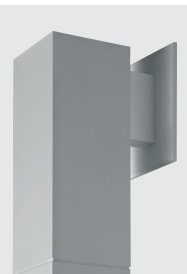
MOUNTING DETAILS

PENDANT MOUNT (PM__)

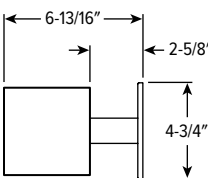


- Provided with:
- 38° Swivel canopy
 - 3/8" IPS Threaded stem
 - Specify length of stem, 6" minimum, 24" default length

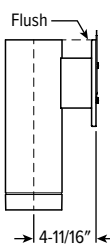
WALL MOUNT (WM)



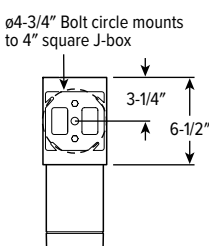
TOP VIEW



SIDE VIEW



BACK VIEW



SURFACE MOUNT (SM)



- TwistLock™**
- Simple lift-and-twist mounting secures fixture to J-box.
- Provided with surface mount adaptor with pigtail

CABLE MOUNT (CM__)



- Provided with:
- Dual adjustable length aircraft cables, must specify length in 24", 48", 96", or 144" inches.
 - 18-gauge cord, see Cord Options for ordering info.
 - One 5" canopy
 - T-bar clip with 1/4-20 stud
 - Hard ceiling anchor provided by others

POWER CORD MOUNT (PC)



- Provided with:
- 18-gauge cord, see Cord Options for ordering info.
 - One 5" canopy
 - Power cord mounting adaptor

CORD OPTIONS

Must specify cord when cable and power cord mounting.

| ORDERING EXAMPLE: S2438/W | | | | |
|---------------------------|--------|--------------|------------|------------------------|
| CORD TYPE | LENGTH | # CONDUCTORS | WIRE SIZE | COLOR |
| S Straight | 24 24" | 3 3 | 8 18-gauge | Standard |
| | 48 48" | 4 4 | | /W White |
| | 96 96" | 5 5 | | /B Black |
| | | 6 6 | | Braided ⁽¹⁾ |
| | | | | /WH White |
| | | | | /BL Black |
| | | | | /BR Brass |
| | | | | /AE Aegean Blue |
| | | | | /RE Red |
| | | | | /SV Silver |
| | | | | /GU Gunmetal |
| | | | | /NK Nickel |
| | | | | /GR Gray |

¹ (5) conductors cord only.

COLOR DETAILS

Additional colors may be available, consult factory.

