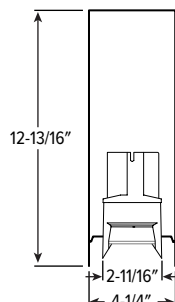


# 4CS dim to **WARM** 4" Cylinder – Square



CATALOG #: \_\_\_\_\_

TYPE: \_\_\_\_\_

PROJECT: \_\_\_\_\_



ORDERING EXAMPLE: 4CS - L12/9DW - OPTIONS - WHT - DIM1 - UNV - LW - WH - TRIM OPTIONS - CM |  
HOUSING TRIM MOUNT.

## HOUSING

SERIES	LUMENS <sup>[1]</sup>	COLOR	OPTIONS	HOUSING FINISH <sup>[2]</sup>	CONTROL	VOLTAGE
4CS	L7 700lm L12 1,200lm	9DW Dim to warm (95 CRI, 1800K – 3000K)	See page 4 for EMERGENCY BATTERY OPTIONS. RDB Remote mount control/driver box, painted black <sup>[3]</sup>	ALUM Silver sparkle aluminum BLK Textured black BRZ Textured bronze NKL Textured nickel SLV Textured silver WHT Textured white	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 <sup>[4]</sup>	REFLECTOR FINISH <sup>[5]</sup>	TRIM OPTIONS
L Flush lens O Open reflector R Regressed lens	W 50° Wide M 30° Medium N 20° Narrow <sup>[6]</sup>	Open Trim Types CS Clear semi-specular anodize SG Satin-glow anodize GD Gold anodize CG Champagne gold anodize PW Pewter anodize SPC Clear specular anodize RG Rose gold anodize	AD Diffuse acrylic lens <sup>[7]</sup> PD Diffuse 1/8" polycarbonate lens <sup>[8]</sup>

## MOUNTING

### MOUNTING TYPE <sup>[9]</sup>

CM\_\_ Adjustable aircraft dual cable mount, 24", 48", 96", or 144" only, must specify. Example: 24" cable = CM24 <sup>[10]</sup>

PM\_\_ Pendant mount. Example: 24" pendant = PM24 <sup>[11]</sup>

PC\_\_ Power cord mount. Example: 24" cord = PC24 <sup>[12]</sup>

SM TwistLock surface mount to octagonal J-box

WM Wall mount

## NOTES

<sup>1</sup> Lumen output based on L trim type, W distribution and WH finish, 3000K/95CRI. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA

<sup>2</sup> See page 3 for HOUSING FINISH DETAILS.

<sup>3</sup> Painted white available, specify RDB/WHT.

<sup>4</sup> Beam angle based on L Trim Type and WH Reflector Finish. Trim Type affects beam angle.

<sup>5</sup> See page 2 for FIXTURE PERFORMANCE DATA.

<sup>6</sup> Not available with L12 lumen package.

<sup>7</sup> Not available with O trim type. W distribution only.

<sup>8</sup> Not available with O trim type. W distribution only.

<sup>9</sup> See page 4 for MOUNTING DETAILS.

<sup>10</sup> Canopy painted white unless specified otherwise. Must specify cord. See page 4 for CORD OPTIONS.

<sup>11</sup> Specify length in 1" increments, minimum 6". Canopy and pendant match fixture housing color unless specified otherwise.

<sup>12</sup> 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

#### TwistLock™

- 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

### 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. 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](http://hew.com/baa).
- WARRANTY** – 5-year limited warranty, see [hew.com/warranty](http://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

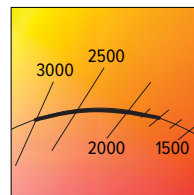
	REFLECTOR FINISH	
	CATALOG NUMBER	CONVERSION FACTOR
O TRIM	CS	1.00
	SG <sup>(1)</sup>	0.92
	GD	0.93
	CG	0.96
	PW	0.86
	SPC	1.02
	RG	0.88

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

TRIM OPTIONS	
CATALOG NUMBER	CONVERSION FACTOR
AD	0.85
PD	0.85

### BEAM ANGLE

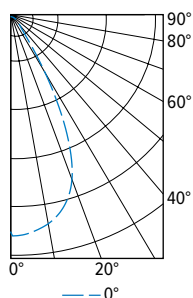
	TRIM TYPE		
	FLUSH	OPEN	REGRESSED
W	50°	50°	55°
M	30°	47°	30°
N	20°	47°	20°



- Distribution will also be affected, consult factory.
- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
  - Wattage shown is based on 120V input.
  - Results based on 3000K/95CRI and WH (L and R Trim Types) or CS (O Trim Type) Reflector Finish. Actual lumens 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-L12/9DW-DIM1-UNV-LW-WH Total Luminaire Output: 1263 lumens; 23.3 Watts | Efficacy: 54 lm/W | 95 CRI; 3000K CCT



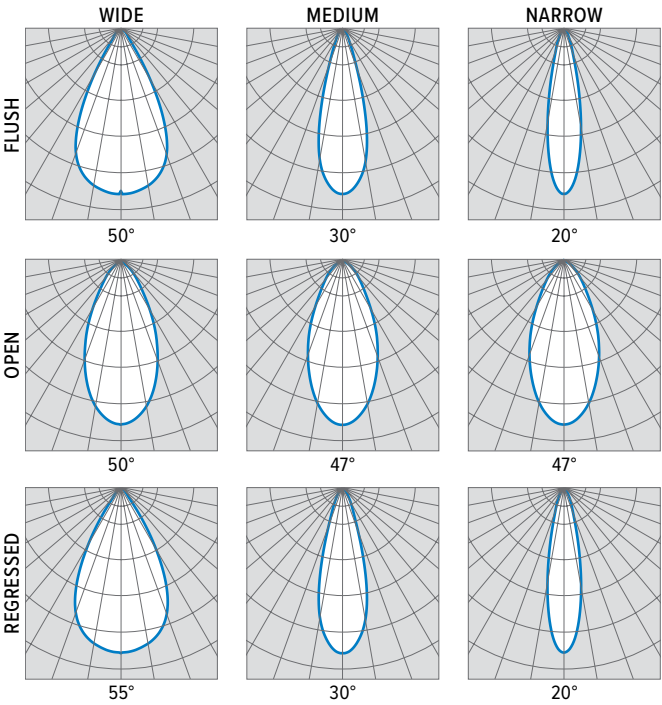
	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
CANDLEPOWER DISTRIBUTION	0	1460	
	5	1474	137
	15	1332	366
	25	840	391
	35	212	179
	45	86	77
	55	56	54
	65	36	37
	75	18	19
	85	4	4
	90	0	

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

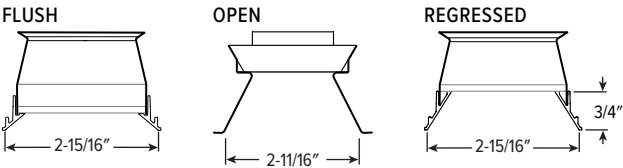


# 4CS dim to **WARM**

## 4" Cylinder – Square



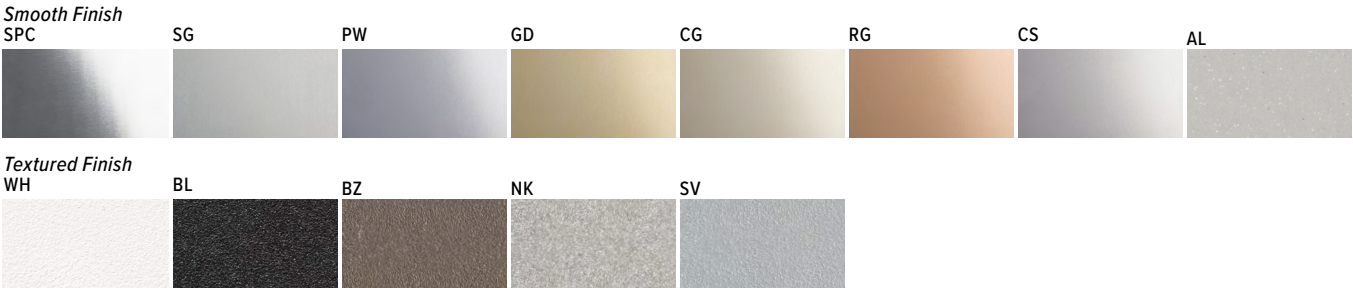
### TRIM TYPE DETAILS



### HOUSING FINISH DETAILS



### REFLECTOR FINISH DETAILS



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

## EMERGENCY BATTERY OPTIONS

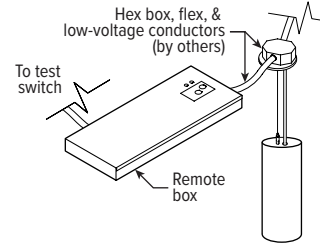
Max remote distance 50', including suspension length. Specify CEC in the option code when California Energy Commission regulations are required.

CATALOG NUMBER	DESCRIPTION
EM/7WRM	Remote mount 7-watt emergency battery
EM/7WRM/RTS	Remote mount 7-watt emergency battery with regressed test switch <sup>[1]</sup>
EM/10WRM	Remote mount 10-watt emergency battery
EM/10WRM/RTS	Remote mount 10-watt emergency battery with regressed test switch <sup>[1]</sup>
EM/12WRM	Remote mount 12-watt emergency battery <sup>[2]</sup>
EM/12WRM/RTS	Remote mount 12-watt emergency battery with regressed test switch <sup>[1]</sup> <sup>[2]</sup>

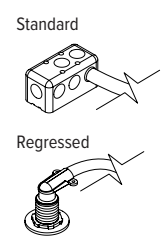
<sup>1</sup> For use in grid ceiling installations only.

<sup>2</sup> Not available when CEC regulations are required.

## RDB OPTION DETAILS



## TEST SWITCH DETAILS



## MOUNTING DETAILS

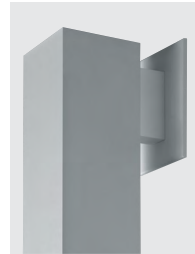
### PENDANT MOUNT (PM\_\_)



Swivel pendant mount fixtures are provided with:

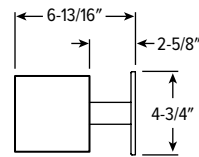
- 45° Swivel canopy
- 3/8" IPS Threaded stem
- Specify length of stem, 6" minimum, 24" default length

### WALL MOUNT (WM)

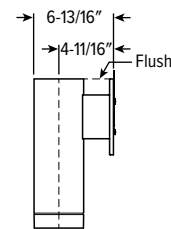


Mounts to 4" square J-box

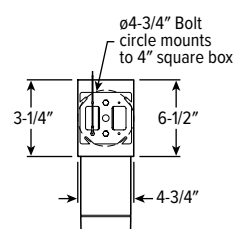
#### TOP VIEW



#### 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\_\_)



Dual cable mount fixtures are provided with:

- Adjustable length aircraft cable, must specify length in 24", 48", 96", or 144" inches
- 18-gauge cord in choice of 9 colors, 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)



Power cord mount fixtures are provided with:

- White cord, No. 18 AWG
- 18-gauge cord in choice of 9 colors, see Cord Options for ordering info.
- 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	3	8 18-gauge	Standard
	24"	3		/W White
	48	4		/B Black
	48"	5		Braided <sup>[1]</sup>
	96	6		/WH White
				/BL Black
				/BR Brass
				/AE Aegean Blue
				/RE Red
				/SV Silver
				/GU Gunmetal
				/NK Nickel
				/GR Gray

<sup>1</sup> (5) conductors cord only.

## COLOR DETAILS

Additional colors may be available, consult factory.

