

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

TYPE:

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



ORDERING EXAMPLE: 4CR - L12/9DW - OPTIONS - WHT - DIM1 - UNV - OW - CS - TRIM OPTIONS - CM

## HOUSING

SERIES	LUMENS <sup>[1]</sup>	COLOR	OPTIONS	HOUSING FINISH <sup>[2]</sup>	CONTROL	VOLTAGE
4CR	L7 700lm	9DW Dim to warm (95 CRI, 1800K – 3000K)	See page 4 for <i>EMERGENCY BATTERY OPTIONS.</i>	ALUM Silver sparkle aluminum	DIM1 1% dimming driver (0-10V signal to control dimming and CCT)	UNV 120-277V 347 347V
			BLK Textured black			
	L12 1,200lm			RDB Remote mount control/driver box, painted black <sup>[3]</sup>	BRZ Textured bronze	LUT Lutron Ecosystem enabled
					NKL Textured nickel	
					SLV Textured silver	
			WHT Textured white			

## TRIM

TRIM TYPE	DISTRIBUTION <sup>[4]</sup>	REFLECTOR FINISH <sup>[5]</sup>	TRIM OPTIONS
O Open reflector	W 70° Wide	Open Trim Types	AD Diffuse acrylic lens <sup>[7]</sup>
L Flush lens	M 40° Medium	CS Clear semi-specular anodize	PD Diffuse 1/8" polycarbonate lens <sup>[8]</sup>
R Regressed lens	N 15° Narrow <sup>[6]</sup>	SG Satin-glow anodize	TD Diffuse polycarbonate lens media at top of open reflector <sup>[9]</sup>
		GD Gold anodize	
		CG Champagne gold anodize	
		PW Pewter anodize	
		SPC Clear specular anodize	
		RG Rose gold anodize	
		WH White texture powder coat	
		BL Black texture powder coat	
		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 <sup>[10]</sup>

**CM\_\_** Adjustable aircraft cable mount, 24", 48", 96", or 144" only, must specify. Example: 24" cable = **CM24** <sup>[11]</sup>

**PM** Pendant mount. Example: 24" pendant = **PM24** <sup>[12]</sup>

PC Power cord mount. Example: 24" cord = **PC24** <sup>[13]</sup>

**SM** TwistLock surface mount to octagonal J-box

WM Wall mount.

## NOTES

<sup>1</sup> Lumen output based on O trim type, W distribution and CS 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.

3 Painted white available, specify RDB/WHT.

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

See page 2 for FIXTURE PERFORMANCE DATA.

<sup>6</sup> O Trim Type only when specified 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> 0 Trim Type only.

<sup>10</sup> See page 4 for MOUNTING DETAILS.

11 Canopy painted white unless specified otherwise. Must specify cord. See page 4 for CORD OPTIONS.

<sup>12</sup> Specify length in 1" increments, minimum 6". Canopy and pendant match fixture housing color unless specified otherwise.

<sup>13</sup> 48" and 96" lengths available. Canopy painted white unless specified otherwise. Must specify cord. See page 4 for CORD OPTIONS.

# 4CR dim to WARM

4" Cylinder – Round

## 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 15° narrow to 70° 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 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

					OPEN REFLECTOR TRIM TYPE		FLUSH LENS 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	715	48	749	50	741	50		
			M	14.8	710	48	757	51	725	49		
			N	14.8	590	40	764	52	745	50		
L12			W	23.3	1239	53	1297	56	1284	55		
			M	23.3	1243	53	1327	57	1269	54		
			N	23.3	941	40	—	—	—	—		

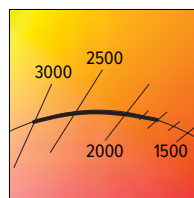
## MULTIPLIER TABLES

	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
	WH <sup>(1)</sup>	0.89
R TRIM	BL <sup>(1)</sup>	0.47
	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
TD	0.67

## BEAM ANGLE

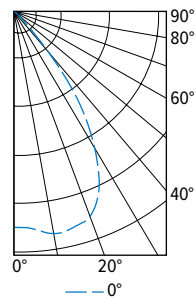
	TRIM TYPE		
	OPEN	FLUSH	REGRESSED
W	70°	50°	55°
M	40°	30°	30°
N	15°	20°	20°



- 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 CS (O Trim Type) or WH (L and R Trim Types) 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

4CR-L12/9DW-DIM1-UNV-OW-CS Total Luminaire Output: 1239 lumens; 23.3 Watts | Efficacy: 53.1 lm/W | 95 CRI; 3000K CCT



	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
CANDLEPOWER DISTRIBUTION	0	1076	
	5	1086	79
	15	1132	183
	25	1006	218
	35	487	122
	45	63	17
	55	17	6
	65	6	2
	75	1	0
	85	0	0
	90	0	

	ZONE	LUMENS	% FIXTURE
LUMEN SUMMARY	0 - 40	1154	93
	0 - 60	1231	99
	0 - 90	1239	100
	0-180	1239	100



H.E. Williams, Inc.

Carthage, Missouri

[www.hew.com](http://www.hew.com)

417-358-4065

Designed and Manufactured in the USA

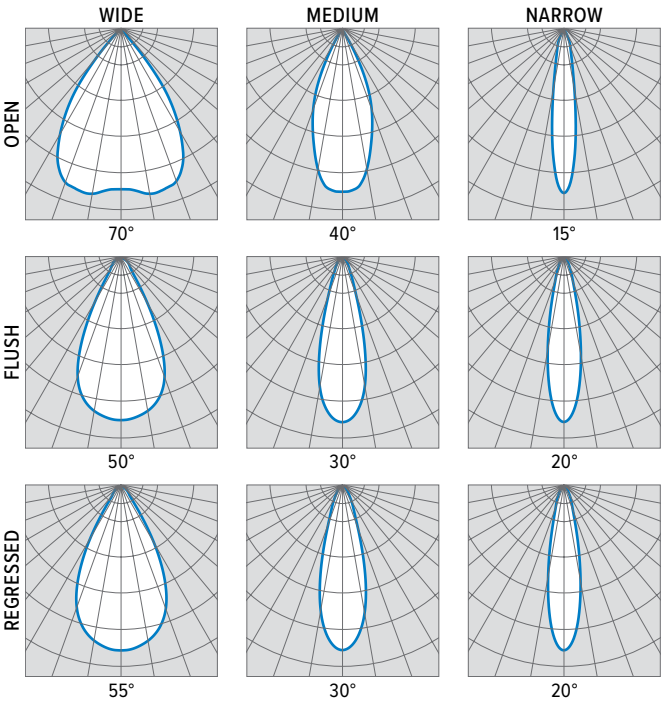
Information contained herein is subject to change without notice.

REV.09/19/23.LA

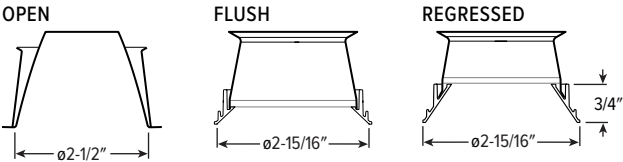
Cylinders  
Page 2 of 4

# 4CR dim to **WARM**

## 4" Cylinder – Round



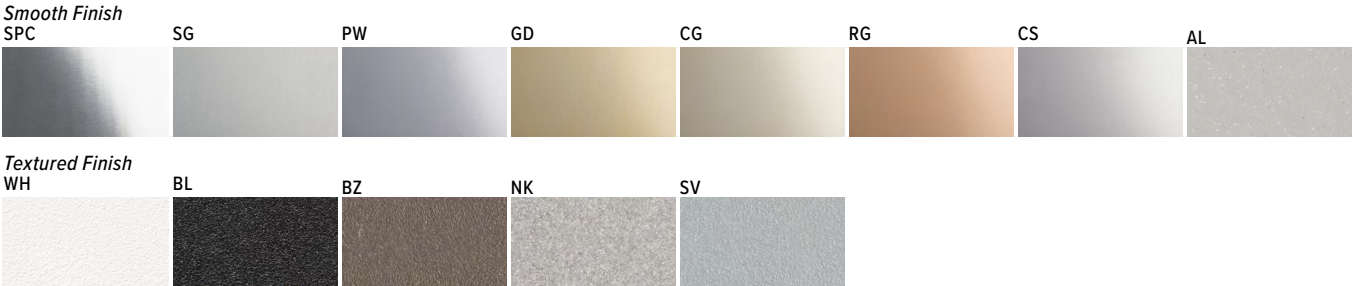
### TRIM TYPE DETAILS



### HOUSING FINISH DETAILS



### REFLECTOR FINISH DETAILS



# 4CR dim to **WARM** 4" Cylinder – Round

## EMERGENCY BATTERY OPTIONS

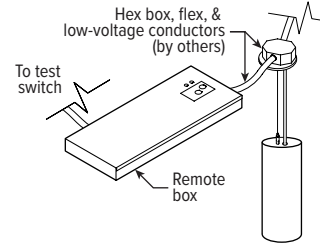
Max remote distance 50', including suspension length. Specify CEC in the option code when California Energy Commission regulations are required.

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>

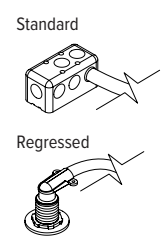
<sup>1</sup> For use in grid ceiling installations only.

<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:

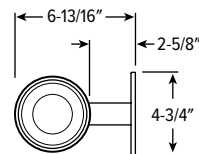
- 45° Swivel canopy
- 3/8" IPS Threaded stem
- Specify length of stem, 6" minimum, 24" default length

### WALL MOUNT (WM)

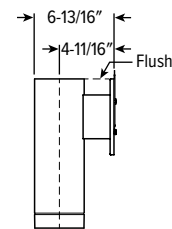


Mounts to 4" square J-box

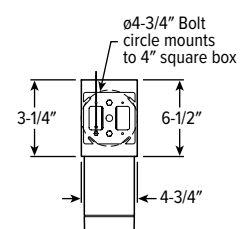
#### TOP VIEW



#### SIDE VIEW



#### BACK VIEW



### SURFACE MOUNT (SM)



**TwistLock™**

Simple lift-and-twist mounting secures fixture to J-box.

### CABLE MOUNT (CM\_\_)



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:

- 18-gauge cord in choice of 9 colors, 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	<b>Standard</b>
	48 48"	4 4		/W White
	96 96"	5 5		/B Black
		6 6		<b>Braided <sup>[1]</sup></b>
				/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.

