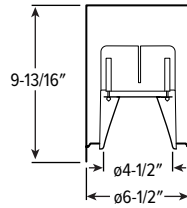


# 6CR dim to **WARM** 6.5" Compact Cylinder – Round



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

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

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



TrimLock® TwistLock™

ORDERING EXAMPLE: **6CR - TL - 10 - L24/9DW - RDB - OPTIONS - WHT - DIM1 - UNV - OW - CS - TRIM OPTIONS - CM**  
HOUSING TRIM MOUNT

## HOUSING

SERIES	HEIGHT	LUMENS <sup>[1]</sup>	COLOR	REMOTE	OPTIONS
<b>6CR - TL</b>	<b>10 10"</b>	<b>L8</b> 800lm	<b>9DW</b> Dim to warm (95 CRI, 1800K – 3000K)	<b>RDB</b> Remote mount control/driver box, galvanized steel <sup>[2]</sup>	See page 3 for <b>EMERGENCY BATTERY OPTIONS</b> .
TrimLock		<b>L15</b> 1,500lm			
		<b>L24</b> 2,400lm			<b>F</b> Fuse <b>SDT</b> Stepdown transformer <sup>[3]</sup>

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

## TRIM

TRIM TYPE	DISTRIBUTION <sup>[5]</sup>	REFLECTOR FINISH <sup>[6]</sup>	TRIM OPTIONS
<b>O</b> Open reflector	<b>W</b> 65° Wide	<b>Open Trim Types</b>	<b>AD</b> Diffuse acrylic lens <sup>[7]</sup>
<b>L</b> Flush lens	<b>M</b> 45° Medium	<b>CS</b> Clear semi-specular anodize	<b>PD</b> Diffuse 1/8" polycarbonate lens <sup>[8]</sup>
<b>R</b> Regressed lens	<b>N</b> 10° Narrow	<b>SG</b> Satin-glow anodize	<b>TD</b> Diffuse polycarbonate lens media at top of open reflector <sup>[9]</sup>
		<b>GD</b> Gold anodize	
		<b>CG</b> Champagne gold anodize	
		<b>PW</b> Pewter anodize	
		<b>SPC</b> Clear specular anodize	
		<b>RG</b> Rose gold anodize	
		<b>WH</b> White texture powder coat	
		<b>BL</b> Black texture powder coat	
		<b>Lens Trim Types</b>	
		<b>CS</b> Clear semi-specular powder coat	
		<b>WH</b> White texture powder coat	
		<b>BL</b> Black texture powder coat	
		<b>BZ</b> Bronze texture powder coat	
		<b>NK</b> Nickel texture powder coat	
		<b>SV</b> Silver texture powder coat	
		<b>AL</b> Silver sparkle aluminum	

## MOUNTING

MOUNTING TYPE <sup>[10]</sup>
<b>CM</b> Adjustable aircraft cable mount, 24", 48", 96", or 144" only, must specify. Example: 24" cable = <b>CM24</b> <sup>[11]</sup>
<b>PM</b> Pendant mount. Example: 24" pendant = <b>PM24</b> <sup>[12]</sup>
<b>PC</b> Power cord mount. Example: 24" cord = <b>PC24</b> <sup>[13]</sup>
<b>SM</b> TwistLock surface mount to octagonal J-box
<b>WM</b> Wall mount

## NOTES

- Lumen output based on O Trim Type, W Distribution and CS Reflector Finish, 95 CRI/3000K CCT. Actual performance may vary +/-5%, see page 2 for **FIXTURE PERFORMANCE DATA**
- Painted driver box available, specify RDB/BLK or RDB/WHT.
- May be required for 347V, see product builder at [hew.com/product-builder](http://hew.com/product-builder). Increases fixture weight by 2 lbs.
- See page 3 for **HOUSING FINISH DETAILS**.
- Beam angle based on O Trim Type and CS Reflector Finish. Trim Type affects beam angle. See page 2 for **FIXTURE PERFORMANCE DATA**.
- See page 4 for **REFLECTOR FINISH DETAILS**.
- Not available with O Trim Type. W Distribution only.
- Not available with O Trim Type. W Distribution only.
- O Trim Type only.
- See page 4 for **MOUNTING DETAILS**.
- Canopy painted white unless specified otherwise. Must specify cord. See page 4 for **CORD OPTIONS**.
- Specify length in 1" increments, minimum 6". Canopy and pendant match fixture housing color unless specified otherwise.
- 48" and 96" lengths available. Canopy painted white unless specified otherwise. Must specify cord. See page 4 for **CORD OPTIONS**.



# 6CR dim to WARM

## 6.5" Compact Cylinder – Round

### FEATURES

- Engineered to deliver great performance in a sleek, space-saving design
- Mimic the comfortable, welcoming glow of incandescent with warm-dimming technology
- Parallel the performance and style of the Williams downlight collection
- Superior optical control with beams as narrow as 10° and field changeable optics as wide as 65°
- Complement the architectural elements of any space with a multitude of housing, trim and cord finishes
- Comprehensive list of mounting options – pendant, cable, power cord, wall and ceiling
- Ensure a simple and secure installation with TwistLock™ surface mount technology
- Low UGR meets LEED and WELL requirements

### 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.
- TRIMLOCK** – Innovative TrimLock® reflector retention system ensures trim remains secure.
- 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>55,000 hours. Estimated L70 = 200,000 hours.
- MOUNTING** – Surface, cable, pendant, power cord, or 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](http://hew.com/baa).
- WARRANTY** – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty).

### FIXTURE PERFORMANCE DATA

	CCT AT 100% (FULL OUTPUT)	CCT AT 1% (FULL DIM)	DISTRIBUTION	WATTAGE	OPEN REFLECTOR TRIM TYPE		FLUSH LENS TRIM TYPE		REGRESSED LENS TRIM TYPE	
					DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)
L8	3000K	1800K	W	14.0	862	61.6	670	47.9	678	48.4
			M	14.0	830	59.3	760	54.3	763	54.5
			N	14.0	800	57.1	765	54.7	769	54.9
L15			W	23.4	1511	64.6	1175	50.3	1188	50.8
			M	23.4	1455	62.3	1333	57.0	1337	57.2
			N	23.4	1402	60.0	1242	57.4	1348	57.7
L24			W	37.7	2228	59.1	1925	51.1	1945	51.6
			M	37.7	2226	59.0	1995	52.9	1997	52.9
			N	37.7	2228	59.1	2197	58.3	2208	58.6

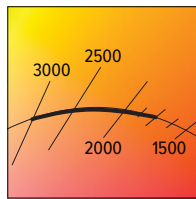
### MULTIPLIER TABLES

	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
BL <sup>(1)</sup>	0.47	

	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	

### BEAM ANGLE

	TRIM TYPE		
	OPEN	FLUSH	REGRESSED
W	65°	50°	50°
M	45°	35°	30°
N	10°	25°	25°

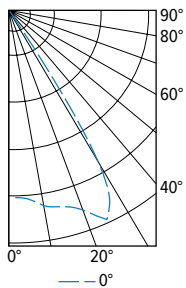


- Distribution will also be affected, consult factory.
- Photometrics tested in accordance with IESNA LM-79. Results based on CS (O Trim Type) or WH (L and R Trim Types) Reflector Finish, W Distribution, 95 CRI/3000K CCT, average wattage for 120V input, and 25°C ambient temperature. Actual performance may vary +/-5%.
  - To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
  - Use multiplier tables to calculate additional options.

TRIM OPTIONS	
CATALOG NUMBER	CONVERSION FACTOR
AD	0.85
PD	0.85
TD	0.75

### PHOTOMETRY

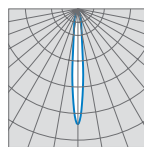
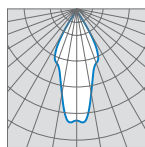
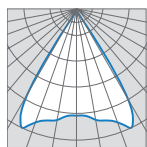
6CR-TL-10-L24/9DW-DIM1-UNV-OW-CS Total Luminaire Output: 2228 lumens; 37.7 Watts | Efficacy: 59.1 lm/W | 95.0 CRI; 3000K CCT



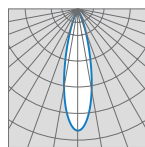
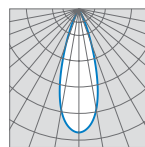
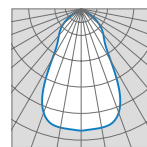
CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	2011	
	5	2071	198
	15	2178	617
	25	2479	1147
	35	341	215
	45	49	38
	55	12	11
	65	1	1
	75	0	0
	85	0	0
	90	0	0

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	2176	98
	0 - 60	2226	100
	0 - 90	2228	100
	0-180	2228	100

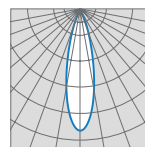
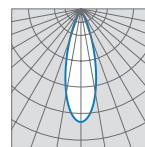
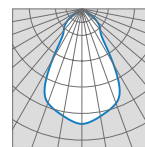
### OPEN



### FLUSH



### REGRESSED



# 6CR dim to **WARM** 6.5" Compact Cylinder – Round

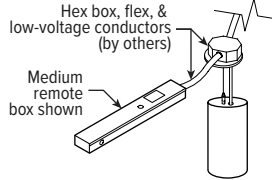
## CONTROL DETAILS

CONTROL	DESCRIPTION	RDB DETAILS BY LUMEN STOP			
		L8	L15	L24	w/EM
DIM1	1% dimming driver (0-10V signal to control dimming and CCT) prewired for low voltage applications	RIS	RIS	RIM	RIL
LUT	Lutron Ecosystem enabled	RIM	RIM	RIM	RIL

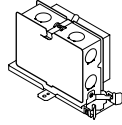
REMOTE MOUNT KEY	
RIS	RDB Required, Small Box
RIM	RDB Required, Medium Box
RIL	RDB Required, Large Box

### REMOTE MOUNT DETAILS

Max remote distance is 50' including suspension. Must be room-side accessible for maintenance.



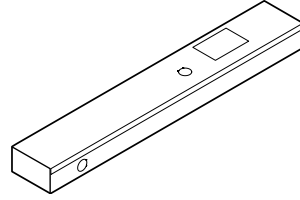
### SMALL



Snap-in Junction Box

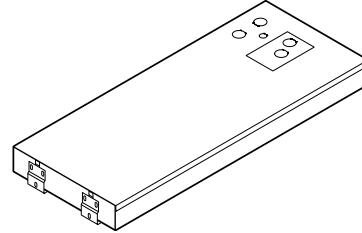
6-1/2" x 3" x 4-1/2"

### MEDIUM



3-1/2" x 24" x 2"

### LARGE



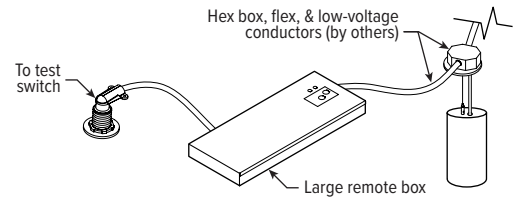
9" x 24" x 2"

## EMERGENCY BATTERY OPTIONS

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

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

<sup>1</sup> Not available when CEC regulations are required.



## TRIMLOCK DETAILS

### TWIST



### PULL

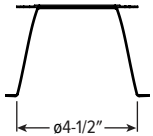


### RELEASE

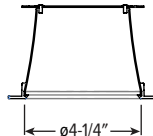


## TRIM TYPE DETAILS

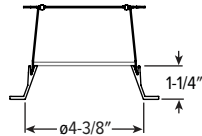
### OPEN



### FLUSH

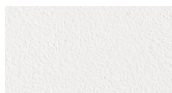


### REGRESSED



## HOUSING FINISH DETAILS

### WHITE



### BLACK



### BRONZE



### NICKEL



### SILVER



### ALUM



For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require two sample swatches, minimum 1" square.

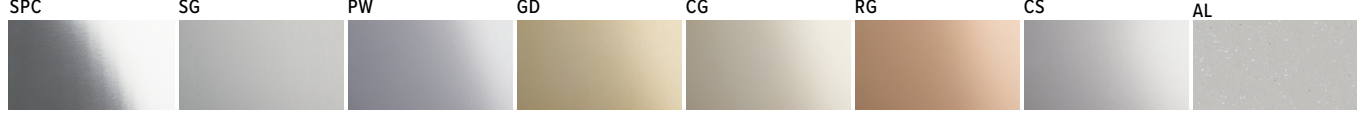


# 6CR dim to WARM

## 6.5" Compact Cylinder – Round

### REFLECTOR FINISH DETAILS

#### Smooth Finish



#### Textured Finish



### MOUNTING DETAILS

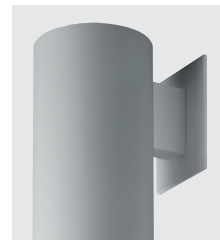
#### PENDANT MOUNT (PM\_\_)



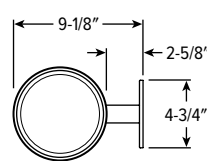
Provided with:

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

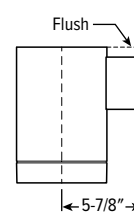
#### WALL MOUNT (WM)



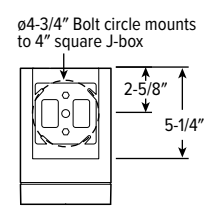
#### TOP VIEW



#### SIDE VIEW



#### BACK VIEW



#### SURFACE MOUNT (SM)



#### TwistLock™

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

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



Provided with:

- Adjustable length aircraft cable, 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	3	8 18-gauge	Standard
	48	4		/W White
	96	5		/B Black
		6		Braided <sup>[1]</sup>
				/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.

