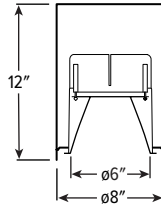


# 8CR dim to WARM

## 8" Compact Cylinder – Round



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

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

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



TrimLock® TwistLock™

ORDERING EXAMPLE: **8CR - TL - 12 - L25/9DW - RDB - OPTIONS - WHT - DIM1 - UNV - OW - CS - TRIM OPTIONS - CM**

HOUSING

TRIM

MOUNT

### HOUSING

SERIES	HEIGHT	LUMENS <sup>[1]</sup>	COLOR	REMOTE	OPTIONS
<b>8CR - TL</b>	<b>12 12"</b>	<b>L8 800lm</b>	<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 EMERGENCY BATTERY OPTIONS.
TrimLock		<b>L15 1,500lm</b>			
		<b>L25 2,500lm</b>			<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 CONTROL DETAILS.	<b>UNV</b> 120-277V
<b>BLK</b> Textured black		<b>347</b> 347V <sup>[5]</sup>
<b>BRZ</b> Textured bronze	<b>DIM1</b> 1% dimming driver (0-10V signal to control dimming and CCT)	
<b>NKL</b> Textured nickel	<b>LUT</b> Lutron Ecosystem enabled	
<b>SLV</b> Textured silver		
<b>WHT</b> Textured white		

### TRIM

TRIM TYPE	DISTRIBUTION <sup>[6]</sup>	REFLECTOR FINISH <sup>[7]</sup>	Lens Trim Types	TRIM OPTIONS
<b>O</b> Open reflector	<b>W</b> 65° Wide	<b>Open Trim Types</b>	<b>CS</b> Clear semi-specular powder coat	<b>AD</b> Diffuse acrylic lens <sup>[8]</sup>
<b>L</b> Flush lens	<b>M</b> 35° Medium	<b>CS</b> Clear semi-specular anodize	<b>WH</b> White texture powder coat	<b>PD</b> Diffuse 1/8" polycarbonate lens <sup>[9]</sup>
<b>R</b> Regressed lens	<b>N</b> 10° Narrow	<b>SG</b> Satin-glow anodize	<b>BL</b> Black texture powder coat	<b>TD</b> Diffuse polycarbonate lens media at top of open reflector <sup>[10]</sup>
		<b>GD</b> Gold anodize	<b>BZ</b> Bronze texture powder coat	
		<b>CG</b> Champagne gold anodize	<b>NK</b> Nickel texture powder coat	
		<b>PW</b> Pewter anodize	<b>SV</b> Silver texture powder coat	
		<b>SPC</b> Clear specular anodize	<b>AL</b> Silver sparkle aluminum	
		<b>RG</b> Rose gold anodize		
		<b>WH</b> White texture powder coat		
		<b>BL</b> Black texture powder coat		

### MOUNTING

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

### NOTES

- <sup>1</sup> 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.
- <sup>2</sup> Painted driver box available, specify RDB/BLK or RDB/WHT.
- <sup>3</sup> May be required for 347V, see product builder at [hew.com/product-builder](http://hew.com/product-builder).
- <sup>4</sup> See page 3 for HOUSING FINISH DETAILS.
- <sup>5</sup> Not available with EM batteries.
- <sup>6</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>7</sup> See page 4 for REFLECTOR FINISH DETAILS.
- <sup>8</sup> Not available with O Trim Type. W Distribution only.
- <sup>9</sup> Not available with O Trim Type. W Distribution only.
- <sup>10</sup> O Trim Type only.
- <sup>11</sup> See page 4 for MOUNTING DETAILS.
- <sup>12</sup> Canopy painted white unless specified otherwise. Must specify cord. See page 4 for CORD OPTIONS.
- <sup>13</sup> Specify length in 1" increments, minimum 6". Canopy and pendant match fixture housing color unless specified otherwise.

# 8CR dim to WARM

## 8" 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
- High-output illumination for tall ceilings
- 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, wall and ceiling
- 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.
- 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, 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	887	63.3	739	52.8	716	51.1
			M	14.0	860	61.5	797	56.9	775	55.4
			N	14.0	823	58.8	802	57.3	781	55.8
L15			W	23.4	1554	66.5	1296	55.5	1254	53.7
			M	23.4	1508	64.5	1397	59.8	1359	58.2
			N	23.4	1442	61.7	1405	60.1	1370	58.6
L25			W	37.7	2471	65.5	2123	56.3	2054	54.5
			M	37.7	2465	65.4	2284	60.6	2226	59.1
			N	37.7	2518	66.8	2302	61.1	2243	59.5

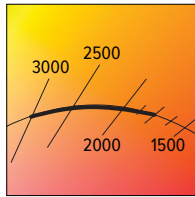
### MULTIPLIER TABLES

REFLECTOR FINISH	
CATALOG NUMBER	CONVERSION FACTOR
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
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°	55°	55°
M	35°	35°	35°
N	10°	25°	25°



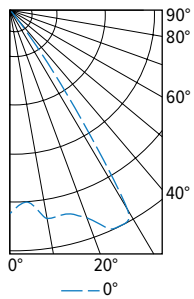
<sup>1</sup> Distribution will also be affected, consult factory.

- 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

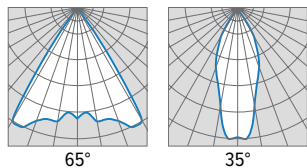
8CR-TL-L25/9DW-DIM1-UNV-OW-CS Total Luminaire Output: 2471 lumens; 37.7 Watts | Efficacy: 65.5 lm/W | 95.0 CRI; 3000K CCT



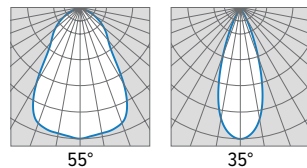
CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	2078	
	5	1963	187
	15	2157	611
	25	2464	1140
	35	751	472
	45	57	44
	55	16	15
	65	2	2
	75	0	0
	85	0	0
	90	0	0

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	2410	98
	0 - 60	2470	100
	0 - 90	2471	100
	0 - 180	2471	100

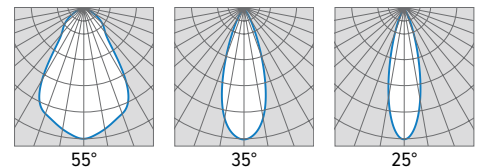
### OPEN



### FLUSH



### REGRESSED



# 8CR dim to WARM

## 8" Compact Cylinder – Round

### CONTROL DETAILS

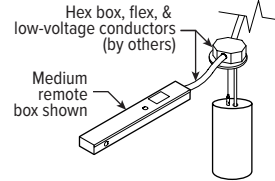
If using two different stops for U/D, see highest lumen stop for RDB.

CONTROL	DESCRIPTION	RDB DETAILS BY LUMEN STOP			
		L8	L15	L25	w/EM
DIM1	1% dimming driver (0-10V signal to control dimming and CCT) prewired for low voltage applications	R   S	R   S	R   M	R   L
LUT	Lutron Ecosystem enabled	R   M	R   M	R   M	R   L

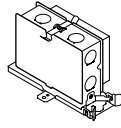
REMOTE MOUNT KEY	
R   S	RDB Required, Small Box
R   M	RDB Required, Medium Box
R   L	RDB Required, Large Box

### REMOTE MOUNT DETAILS

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

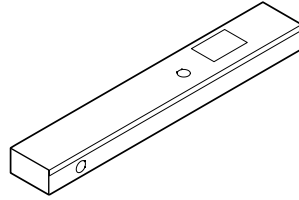


### SMALL



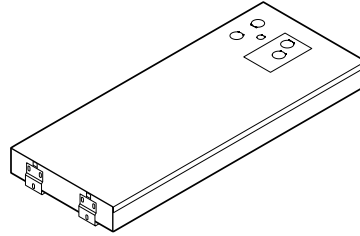
Snap-in Junction Box  
6-1/2" x 3" x 4-1/2"

### MEDIUM



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

### LARGE



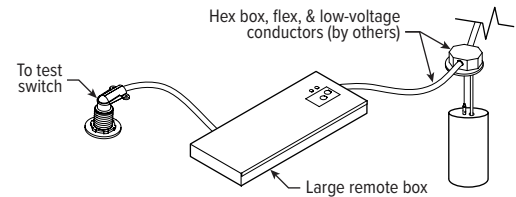
9" x 24" x 2"

### 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

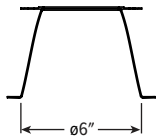


#### RELEASE

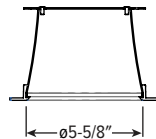


### TRIM TYPE DETAILS

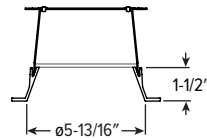
#### OPEN



#### FLUSH

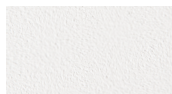


#### REGRESSED



### 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.

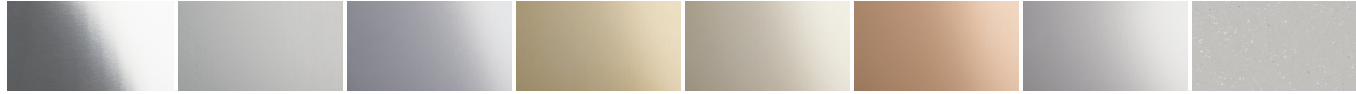


# 8CR dim to WARM

## 8" Compact Cylinder – Round

### REFLECTOR FINISH DETAILS

#### Smooth Finish



#### Textured Finish



### MOUNTING DETAILS

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



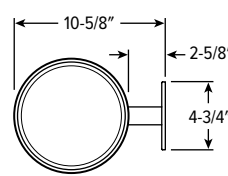
Provided with:

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

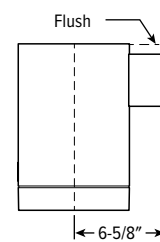
#### WALL MOUNT (WM)



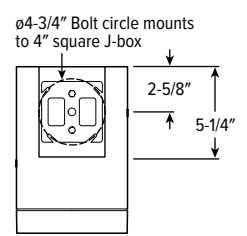
#### TOP VIEW



#### SIDE VIEW



#### BACK VIEW



#### SURFACE MOUNT (SM)



#### TwistLock™

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

#### 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

### CORD OPTIONS

Must specify cord when cable 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"	4		
	96	5		Braided <sup>[1]</sup>
	96"	5		/WH White
		6		/BL Black
		6		/BR Brass
				/AE Aegean Blue
				/RE Red
				/SV Silver
				/GU Gunmetal
				/NK Nickel
				/GR Gray

#### COLOR DETAILS

Additional colors may be available, consult factory.



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

