

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

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

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



TrimLock® TwistLock™

ORDERING EXAMPLE: **8CR - TL - 12 - L13/8TW - RDB - OPTIONS - WHT - CONTROL/DIM - UNV - OW - CS - TRIM OPTIONS - CM**  
 HOUSING TRIM MOUNT.

**HOUSING**

SERIES	HEIGHT	LUMENS <sup>[1]</sup>	COLOR	REMOTE	OPTIONS	HOUSING FINISH <sup>[2]</sup>
<b>8CR - TL</b> TrimLock	<b>12</b> 12"	<b>L13</b> 1,300lm <b>L23</b> 2,300lm <b>L42</b> 4,200lm	<b>8TW</b> Tunable white (80 CRI, 2700K-5000K)	<b>RDB</b> Remote mount control/driver box, galvanized steel <sup>[3]</sup>	See page 3 for <b>EMERGENCY BATTERY OPTIONS</b> . <b>F</b> Fuse	<b>ALUM</b> Silver sparkle aluminum <b>BLK</b> Textured black <b>BRZ</b> Textured bronze <b>NKL</b> Textured nickel <b>SLV</b> Textured silver <b>WHT</b> Textured white

**CONTROL**

See page 3 for CONTROL/DRIVER DETAILS.

- None
- AWN** Lutron Athena wireless node integral fixture control, RF only <sup>[4]</sup>

**DRIVER**

See page 3 for CONTROL/DRIVER DETAILS.

- DALI** Driver prewired for DALI applications
- DIM** Dimming driver with (1) 0-10V signal to control dimming and (1) 0-10V signal to control CCT
- DMX** Driver prewired for DMX applications <sup>[5]</sup>
- LD2** Lutron DALI-2 digital driver, 1%

**VOLTAGE**

**UNV** 120-277V

**TRIM**

TRIM TYPE	DISTRIBUTION <sup>[6]</sup>	REFLECTOR FINISH <sup>[7]</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>[10]</sup>
<b>L</b> Flush lens	<b>M</b> 35° Medium <sup>[8]</sup>	<b>CS</b> Clear semi-specular anodize	<b>PD</b> Diffuse 1/8" polycarbonate lens <sup>[11]</sup>
<b>R</b> Regressed lens	<b>N</b> 10° Narrow <sup>[9]</sup>	<b>SG</b> Satin-glow anodize	<b>TD</b> Diffuse polycarbonate lens media at top of open reflector <sup>[12]</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>[13]</sup>**

- CM** Adjustable aircraft cable mount, 24", 48", 96", or 144" only, must specify. Example: 24" cable = **CM24** <sup>[14]</sup>
- PM** Pendant mount. Example: 24" pendant = **PM24** <sup>[15]</sup>
- SM** TwistLock surface mount to octagonal J-box
- WM** Wall mount

**NOTES**

- Lumen output based on O Trim Type, W Distribution and CS Reflector Finish, 80 CRI/4000K CCT. Actual performance may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA
- See page 3 for HOUSING FINISH DETAILS.
- Painted driver box available, specify RDB/BLK or RDB/WHT.
- LD2 Driver only. SM Mounting Type installed in remote box, must specify RDB Option.
- Installed in remote box, must specify RDB Option.
- 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 L42 lumen stop when specified with L or R Trim Types.
- Not available with L42 lumen stop when specified with L or R Trim Types.
- 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.



# 8CR tunable WHITE

## 8" Compact Cylinder – Round

### FEATURES

- Support human-centric design with adaptive, individualized lighting using tunable white light
- Engineered to deliver great performance in a sleek, space-saving design
- 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
- Limitless application opportunities via pendant, cable, wall and ceiling mounts
- Ensure a simple and secure installation with TwistLock™ surface mount technology
- Wireless in-fixture control solutions available

### 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 LED array. Modular quick-connect plug for easy field-connection of LED light assembly to driver. Reported L70>50,000 hours. Tunable White products use LEDs of multiple CCTs and may produce a perceptibly different shade of white from single-CCT products at the same CCT. All CCTs are within 3 MacAdam ellipses.
- 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

	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)
L13	W	14.6	1320	90.4	1135	78.0	1098	75.5
	M	14.6	1317	90.2	1220	83.6	1183	81.0
	N	14.6	1345	92.1	1231	84.5	1199	82.4
L23	W	24.0	2357	98.0	1964	81.7	1900	79.0
	M	24.0	2285	95.0	2117	88.0	2059	85.6
	N	24.0	2187	90.9	2129	88.5	2075	86.3
L42	W	44.9	4304	96.0	3596	80.2	3480	77.6
	M	44.9	4173	93.0	–	–	–	–
	N	44.9	3994	89.0	–	–	–	–

### MULTIPLIER TABLES

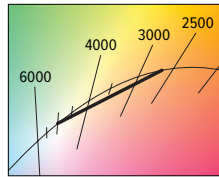
COLOR TEMPERATURE		
CCT	LUMENS	WATTS
2700K	0.83	1.03
3000K	1.00	1.00
3500K	0.99	0.99
4000K	1.00	1.00
5000K	0.98	1.03

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

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

R TRIM	
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

- <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, 80 CRI/4000K 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.

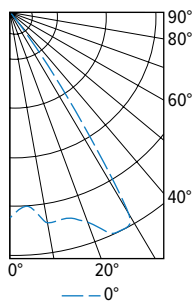


### BEAM ANGLE

	TRIM TYPE		
	OPEN	FLUSH	REGRESSED
W	65°	55°	55°
M	35°	35°	35°
N	10°	25°	25°

### PHOTOMETRY

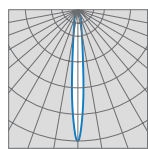
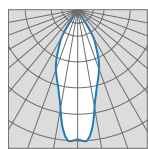
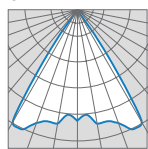
8CR-TL-12-L13/8TW-DIM-UNV-OW-CS Total Luminaire Output: 1320 lumens; 14.6 Watts | Efficacy: 90.4 lm/W | 80.0 CRI; 4000K CCT



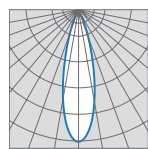
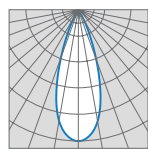
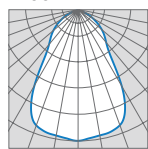
CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	1110	
	5	1049	100
	15	1152	327
	25	1316	609
	35	401	252
	45	31	24
	55	9	8
	65	1	1
	75	0	0
	85	0	0
	90	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	1288	98
	0 - 60	1320	100
	0 - 90	1320	100
	0 - 180	1320	100

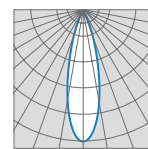
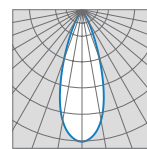
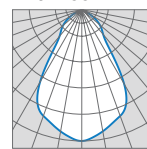
### OPEN



### FLUSH



### REGRESSED



# 8CR tunable WHITE

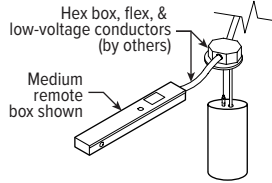
## 8" Compact Cylinder – Round

### CONTROL/DRIVER DETAILS

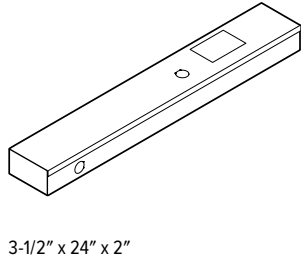
DRIVER/CONTROL	DESCRIPTION	RDB DETAILS BY LUMEN STOP			
		L13	L23	L42	w/EM
DIM	Dimming driver with (1) 0-10V signal to control dimming and (1) 0-10V signal to control CCT prewired for low voltage applications	RIM	RIM	RIM	RIL
DMX	Driver prewired for DMX applications	RIM	RIM	RIM	RIL
DALI	DALI dimming driver	RIM	RIM	RIM	RIL
LD2	Lutron DALI-2 digital driver, 1%	RIM	RIM	RIM	RIL
AWNRLD2	Lutron Athena wireless node integral fixture control, RF only, for use with DALI-2 digital driver, 1%	RIM	RIM	RIM	RIL

#### REMOTE MOUNT DETAILS

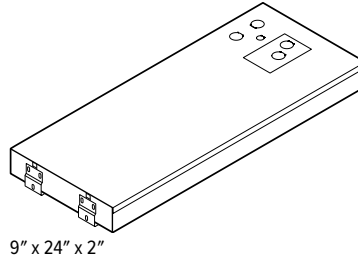
Max remote distance is 50' including suspension. Must be room-side accessible for maintenance.



#### MEDIUM



#### LARGE



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

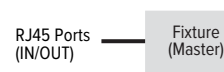
#### DIM



#### DALI



#### DMX



#### LUTRON T-SERIES

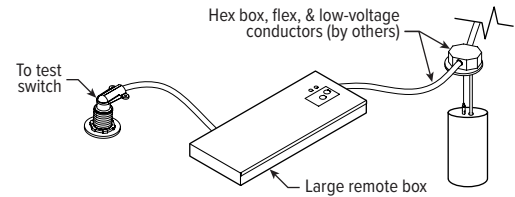


### EMERGENCY BATTERY OPTIONS

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

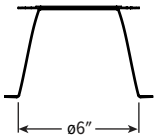


#### RELEASE

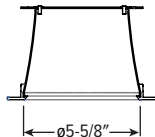


### TRIM TYPE DETAILS

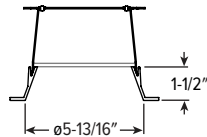
#### OPEN



#### FLUSH

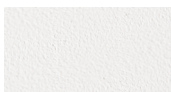


#### REGRESSED



### 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.

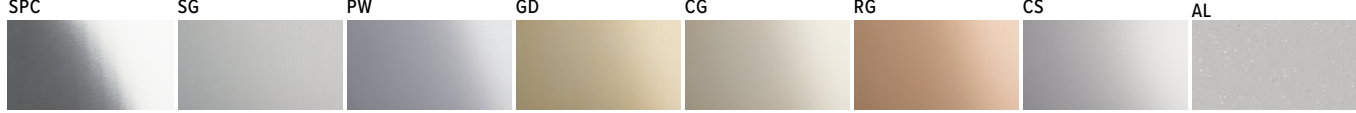


# 8CR tunable WHITE

## 8" Compact Cylinder – Round

### REFLECTOR FINISH DETAILS

#### Smooth Finish



#### Textured Finish



### MOUNTING DETAILS

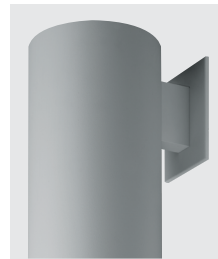
#### PENDANT MOUNT (PM\_\_)



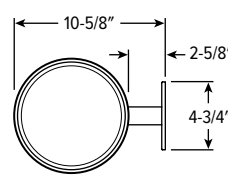
Provided with:

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

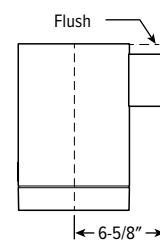
#### WALL MOUNT (WM)



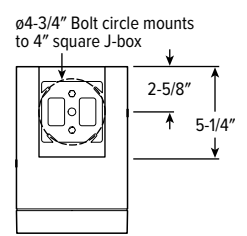
#### TOP VIEW



#### 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.

