

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

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

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

### FEATURES

#### TrimLock® | TwistLock™

- High-output illumination for tall ceilings
- Parallel the performance and style of the Williams downlight collection
- Precision illumination with 10° narrow to 65° wide optics
- 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

### 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, tempered glass 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. Max weight 14 lbs.
- LISTINGS** –
  - cCSAus conforms to UL STD 1598 and UL STD 8750. Certified to CAN/CSA STD C22.2 No. 250.0. Suitable for damp locations.
- WARRANTY** – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty).

ORDERING EXAMPLE: 8CR - TL - L20/835 - OPTIONS - WHT - DIM - UNV - OW - CS - TRIM OPTIONS - CM

### HOUSING

SERIES	LUMENS <sup>[1]</sup>	CRI	CCT	OPTIONS	HOUSING FINISH <sup>[2]</sup>	CONTROL <sup>[3]</sup>	VOLTAGE
8CR - TL	L10 1,000lm	8 80	27 2700K	EM/10W 10-watt emergency battery <sup>[6]</sup>	ALUM Silver sparkle aluminum	DIM Dimming driver, 0-10V	UNV 120-277V
TrimLock	L15 1,500lm	9 90 <sup>[5]</sup>	30 3000K	F Fuse	BLK Textured black	DIM1 1% Dimming driver, 0-10V	347 347V <sup>[8]</sup>
	L20 2,000lm		35 3500K	SDT Stepdown transformer <sup>[7]</sup>	BRZ Textured bronze		
	L30 3,000lm		40 4000K		NKL Textured nickel		
	L40 4,000lm		50 5000K		SLV Textured silver		
	L50 5,000lm				WHT Textured white		
	L60 6,000lm						
	L70 7,000lm						
	L80 8,000lm						
	L90 9,000lm						
	L100 10,000lm <sup>[4]</sup>						

### TRIM

TRIM TYPE	DISTRIBUTION <sup>[9]</sup>	REFLECTOR FINISH <sup>[10]</sup>	TRIM OPTIONS
O Open reflector	W 65° Wide	Open Trim Types	AD Diffuse acrylic lens <sup>[13]</sup>
L Flush lens	M 35° Medium <sup>[11]</sup>	CS Clear semi-specular anodize	PD Diffuse 1/8" polycarbonate lens <sup>[14]</sup>
R Regressed lens	N 10° Narrow <sup>[12]</sup>	SG Satin-glow anodize	TD Diffuse polycarbonate lens media at top of open reflector <sup>[15]</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	
		<b>Lens Trim Types</b>	
		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>[16]</sup>

CM	Adjustable aircraft cable mount, 24" length standard. Example: 24" cable = CM24 <sup>[17]</sup>
PM	Pendant mount. Example: 24" pendant = PM24 <sup>[18]</sup>
SM	TwistLock surface mount to octagonal J-box
WM	Wall mount

### NOTES

- Lumen output based on O trim type, W distribution and CS finish, 3500K/80CRI. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA
- See page 5 for HOUSING FINISH DETAILS.
- See page 3 for ADDITIONAL CONTROL OPTIONS.
- Open Trim Type only.
- Extended lead times may apply. Consult factory for availability.
- L60 lumen package max. Increases fixture size. See page 5 for EMERGENCY BATTERY DETAILS.
- May be required for 347V, see product builder at [hew.com/product-builder](http://hew.com/product-builder)
- Not available with EM batteries.
- 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 5 for REFLECTOR FINISH DETAILS.
- Not available with lumen stops L50 and higher when specified with L or R trim types.
- Not available with lumen stops L50 and higher 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. L50 lumen package max.
- See page 4 for MOUNTING DETAILS.
- 48" and 96" lengths available. 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.



### 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)
L10	W	8.7	1014	116.9	774	89.2	716	82.5
	M	8.7	982	113.2	910	104.9	883	101.7
	N	8.7	1003	115.7	909	104.8	897	103.4
L15	W	13.8	1497	108.6	1178	85.4	1090	79.0
	M	13.8	1495	108.4	1385	100.4	1344	97.4
	N	13.8	1528	110.8	1384	100.4	1366	99.1
L20	W	19.0	1988	104.6	1562	80.1	1445	74.1
	M	19.1	1983	103.8	1837	96.1	1782	93.3
	N	19.1	2026	106.1	1836	94.2	1812	92.9
L30	W	26.9	3062	114.0	2335	86.9	2160	80.4
	M	26.9	3003	111.8	2782	103.6	2699	100.5
	N	26.9	3000	111.7	2718	101.2	2683	99.9
L40	W	36.5	4094	112.2	3122	85.5	2889	79.1
	M	36.4	4016	110.3	3720	102.2	3609	99.1
	N	36.4	4011	110.2	3635	99.9	3587	98.6
L50	W	43.9	5014	114.1	3824	87.0	3537	80.5
	M	43.9	4935	112.3	–	–	–	–
	N	43.9	5047	114.9	–	–	–	–
L60	W	54.0	6043	111.9	4609	85.4	4264	79.0
	M	54.0	5948	110.1	–	–	–	–
	N	54.0	6083	112.6	–	–	–	–
L70	W	67.8	7008	103.3	5345	78.8	4945	72.9
	M	67.8	6898	101.7	–	–	–	–
	N	67.8	7055	104.0	–	–	–	–
L80	W	79.8	8018	100.5	6115	76.7	5657	70.9
	M	79.8	7891	98.9	–	–	–	–
	N	79.8	8071	101.2	–	–	–	–
L90	W	80.1	9156	114.3	6983	87.2	6460	80.7
	M	80.1	9012	112.5	–	–	–	–
	N	80.1	9216	115.1	–	–	–	–
L100	W	89.8	10180	113.4	–	–	–	–
	M	89.8	10020	111.6	–	–	–	–
	N	89.8	10247	114.1	–	–	–	–

### MULTIPLIER TABLES

	COLOR TEMPERATURE		REFLECTOR FINISH	
	CCT	CONVERSION FACTOR	CATALOG NUMBER	CONVERSION FACTOR
80 CRI	2700K	0.92	CS	1.00
	3000K	0.98	SG <sup>1</sup>	0.92
	3500K	1.00	GD	0.93
	4000K	1.01	CG	0.96
	5000K	1.02	PW	0.86
90 CRI	2700K	0.76	SPC	1.02
	3000K	0.79	RG	0.88
	3500K	0.82	WH <sup>1</sup>	0.89
	4000K	0.84	BL <sup>1</sup>	0.47
	5000K	0.88		
	TRIM		R TRIM	
	CATALOG NUMBER	CONVERSION FACTOR		
	AD	0.85	WH	1.00
	PD	0.85	CS <sup>(1)</sup>	0.98
	TD	0.75	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

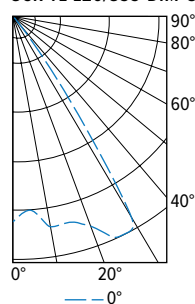
### BEAM ANGLE

	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 shown are based on 25°C ambient temperature.
  - Wattage shown is based on 120V input.
  - Results based on 3500K, 80 CRI, actual lumens may vary +/-5%
  - Use multiplier tables to calculate additional options.

### PHOTOMETRY

8CR-TL-L20/835-DIM-UNV-OW-CS Total Luminaire Output: 1988 lumens; 19.0 Watts | Efficacy: 104.6 lm/W | 80 CRI; 3500K CCT



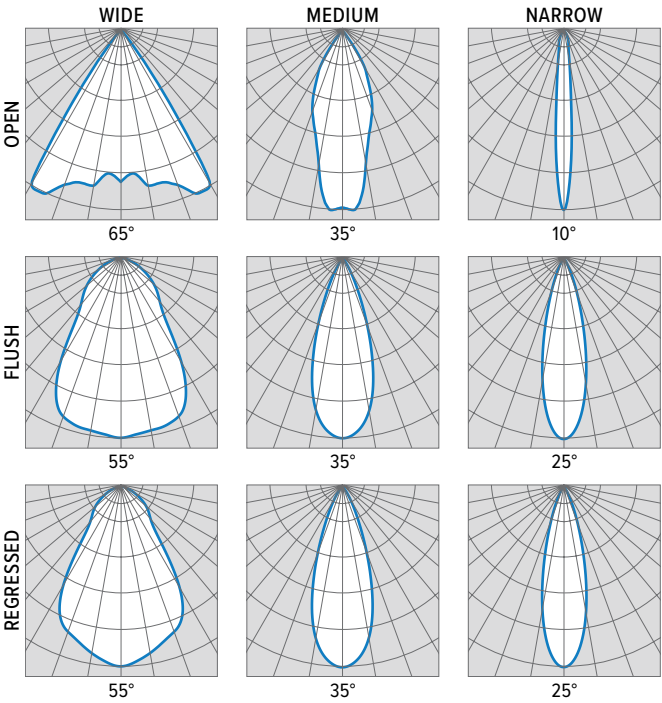
	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
CANDLEPOWER DISTRIBUTION	0	1672	
	5	1579	151
	15	1735	492
	25	1982	917
	35	604	380
	45	46	36
	55	13	12
	65	2	2
	75	0	0
	85	0	0
	90	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	1939	98
	0 - 60	1987	100
	0 - 90	1988	100
	0 - 180	1988	100



# 8CR LED

## 8" Cylinder – Round



### ADDITIONAL CONTROL OPTIONS

Lumen restrictions apply: L60 max for DMX driver, L40 max for Lutron drivers, L60 max for ELDO drivers, L60 max for DIM LINE driver. DMX available with CM Mounting Type only. 347V may require stepdown transformer, see product builder at [hew.com/product-builder](http://hew.com/product-builder).

CATALOG NUMBER	DESCRIPTION
DIM	Dimming driver prewired for 0-10V low voltage applications
DIM1	1% dimming driver prewired for 0-10V low voltage applications
DIM LINE	Line voltage dimming driver (TRIAC and ELV compatible at 120V only)
DMX	0.1% dimming driver for DMX controls
LTE LINE	Lutron Hi-lume 1% 2-wire dimming driver forward phase line voltage controls (120V only)
LDE1	Lutron Hi-lume 1% EcoSystem dimming LED driver
ELDO SOLOB	EldoLED Solodrive, 0.1% dimming driver for 0-10V controls
ELDO SOLOB DALI	EldoLED Solodrive, 0.1% dimming driver for DALI controls
ELDO ECO1	EldoLED Ecodrive, 1% dimming driver for 0-10V controls
ELDO ECO1 DALI	EldoLED Ecodrive, 1% dimming driver for DALI controls

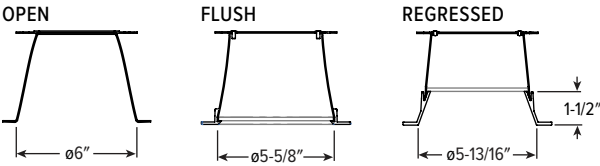
### TRIMLOCK DETAILS



# 8CR LED

## 8" Cylinder – Round

### TRIM TYPE DETAILS



### MOUNTING DETAILS

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



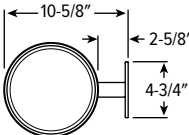
Swivel pendant mount fixtures are provided with:

- 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



#### 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 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

### CORD OPTIONS

Must specify cord when cable mounting.

ORDERING EXAMPLE: S2438/W				
CORD TYPE	LENGTH	# CONDUCTORS	WIRE SIZE	COLOR
S Straight	24 24"	3 3	8 18-gauge	Standard
	48 48"	4 4 <sup>(1)</sup>		/W White
	96 96"	5 5		/B Black
		6 6 <sup>(1)</sup>		Braided
				/WH White
				/BL Black
				/BR Brass
				/AE Aegean Blue
				/RE Red
				/SV Silver
				/GU Gunmetal
				/NK Nickel
				/GR Gray

<sup>1</sup> Standard cord only.

### COLOR DETAILS

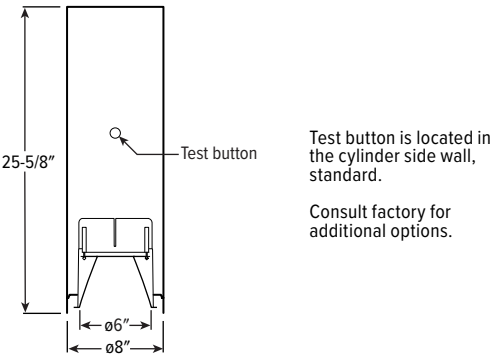
Additional colors may be available, consult factory.



8CR<sup>LED</sup>

8" Cylinder – Round

EMERGENCY BATTERY DETAILS



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.

REFLECTOR FINISH DETAILS

SMOOTH FINISH

SPC	SG	PW	GD	CG	RG	CS	AL

TEXTURED FINISH

WH	BL	BZ	NK	SV

