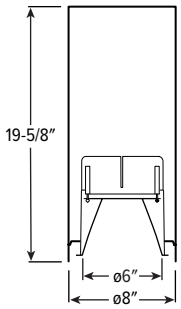
8CR dim to WARM
8″ Cylinder – Round



CATALOG #:

TYPE:

PROJECT:

BAA & BABA COMPLIANT

TrimLock® TwistLock™

ORDERING EXAMPLE: 8CR - TL - 20 - L25/9DW - OPTIONS - WHT - DIM1 - UNV - OW - CS - TRIM OPTIONS - CM
HOUSING — TRIM — MOUNT.

HOUSING

SERIES	HEIGHT	LUMENS [1]	COLOR	OPTIONS
8CR - TL TrimLock	**20** 20″	**L8** 800lm **L15** 1,500lm **L25** 2,500lm	**9DW** Dim to warm (95 CRI, 1800K – 3000K)	**EM/10WRM/RTS** Remote mount 10-watt emergency battery with regressed test switch [2] **F** Fuse **RDB** Remote mount control/driver box, galvanized steel

HOUSING

HOUSING FINISH [3]

- **ALUM** Silver sparkle aluminum
- **BLK** Textured black
- **BRZ** Textured bronze
- **NKL** Textured nickel
- **SLV** Textured silver
- **WHT** Textured white

CONTROL

See page 3 for CONTROL DETAILS.

- **DIM1** 1% dimming driver (0-10V signal to control dimming and CCT)
- **LUT** Lutron Ecosystem enabled

VOLTAGE

- **UNV** 120-277V
- **347** 347V [4]

TRIM

TRIM TYPE

- **O** Open reflector
- **F** Open reflector with frosted top diffuser
- **L** Flush lens
- **R** Regressed lens

DISTRIBUTION

See page 2 for BEAM ANGLE.

- **W** Wide
- **M** Medium
- **N** Narrow

REFLECTOR FINISH [5]

Open Trim Types

- **CS** Clear semi-specular anodize
- **SG** Satin-glow anodize
- **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

TRIM OPTIONS

- **AD** Diffuse acrylic lens [6]
- **PD** Diffuse 1/8″ polycarbonate lens [7]

MOUNTING

MOUNTING TYPE [8]

- **CM__** Adjustable aircraft cable mount, 24″, 48″, 96″, or 144″ only, must specify. Example: 24″ cable = **CM24** [9]
- **PM__** Pendant mount. Example: 24″ pendant = **PM24** [10]
- **SM** TwistLock surface mount to octagonal J-box
- **WM** Wall mount

NOTES

1. 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.
2. Max remote distance 50′, including suspension length. Large remote box provided. Specify CEC in the option code when California Energy Commission regulations are required. See page 3 for EMERGENCY BATTERY DETAILS.
3. See page 3 for HOUSING FINISH DETAILS.
4. Not available with EM batteries.
5. See page 4 for REFLECTOR FINISH DETAILS.
6. Not available with O or F Trim Types. W Distribution only.
7. Not available with O or F Trim Types. W Distribution only.
8. See page 4 for MOUNTING DETAILS.
9. Canopy painted white unless specified otherwise. Must specify cord. See page 4 for CORD OPTIONS.
10. Specify length in 1″ increments, minimum 6″. Canopy and pendant match fixture housing color unless specified otherwise.

8CR dim to WARM
8″ Cylinder – Round

FEATURES

- Mimic the comfortable, welcoming glow of incandescent with warm-dimming technology
- High-output illumination for tall ceilings
- 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
- Precision-engineered extruded aluminum housing and die-cast aluminum trim face for clean aesthetic
- Made Right Here® in the USA

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. 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 dry and damp locations.
  - Build America, Buy America (BABA) and Buy American Act (BAA) compliant. Request certification at hew.com/buy-american
- WARRANTY – 5-year limited warranty, see hew.com/warranty

FIXTURE PERFORMANCE DATA

	CCT AT 100% (FULL OUTPUT)	CCT AT 1% (FULL DIM)	DIST.	WATTAGE	OPEN REFLECTOR DELIVERED LUMENS	OPEN REFLECTOR EFFICACY (lm/W)	FLUSH LENS DELIVERED LUMENS	FLUSH LENS EFFICACY (lm/W)	REGRESSED LENS DELIVERED LUMENS	REGRESSED LENS 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

- 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.

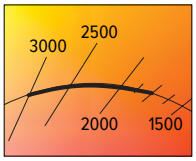
BEAM ANGLE

	TRIM TYPE [2] O	F	L	R
W	65°	70°	55°	55°
M	35°	35°	35°	35°
N	10°	20°	25°	25°

MULTIPLIER TABLES

	REFLECTOR FINISH CATALOG NUMBER	CONVERSION FACTOR
O TRIM	CS	1.00
	SG [1]	0.92
	GD	0.93
	CG	0.96
	PW	0.86
	SPC	1.02
	RG	0.88
	WH [1]	0.89
	BL [1]	0.47
R TRIM	WH	1.00
	CS [1]	0.98
	BL [1]	0.79
	BZ [1]	0.76
	NK [1]	0.81
	SV [1]	0.81
	AL [1]	0.86

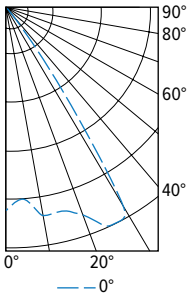
TRIM OPTIONS CATALOG NUMBER	CONVERSION FACTOR
F	0.75
AD	0.85
PD	0.85



1 Distribution will also be affected, consult factory.
2 Beam angle based on CS or WH Reflector Finish.

PHOTOMETRY

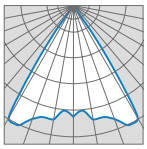
8CR-TL-20-L25/9DW-DIM1-UNV-OW-CS Total Luminaire Output: 2471 lumens; 37.7 Watts | Efficacy: 65.5 lm/W | 95.0 CRI; 3000K CCT

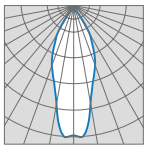


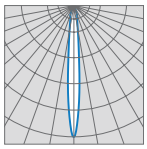
CANDLEPOWER DISTRIBUTION VERTICAL ANGLE	HORIZONTAL ANGLE 0°	ZONAL LUMENS
0	2078	
5	1963	187
15	2157	611
25	2464	1140
35	751	472
45	57	44
55	16	15
65	2	2
75	0	0
85	0	0
90	0	

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

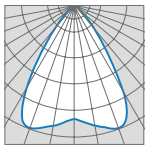
OPEN (O)

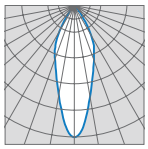

65° Wide

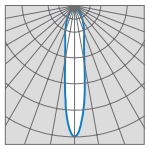

35° Medium


10° Narrow

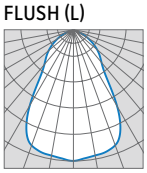
OPEN TOP DIFFUSER (F)

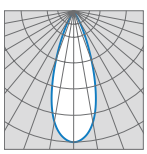

70° Wide

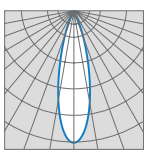

35° Medium


20° Narrow

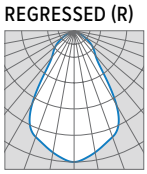
FLUSH (L)

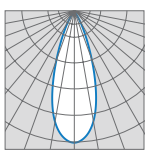

55° Wide

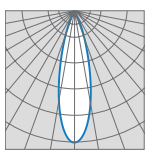

35° Medium


25° Narrow

REGRESSED (R)


55° Wide


35° Medium


25° Narrow

8CR dim to WARM
8″ Cylinder – Round

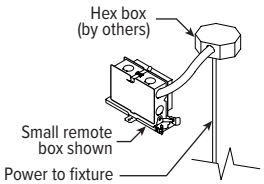
CONTROL DETAILS

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	O I S	O I S	O I M	R I L
LUT	Lutron Ecosystem enabled	O I M	O I M	O I M	R I L

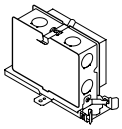
REMOTE MOUNT KEY	
O I S	RDB Optional, Small Box
O I M	RDB Optional, Medium Box
R I L	RDB Required, Large Box

REMOTE MOUNT DETAILS

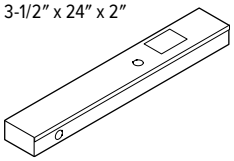
Max remote distance is 50′ including suspension length, connection by others. Must be room-side accessible for maintenance.



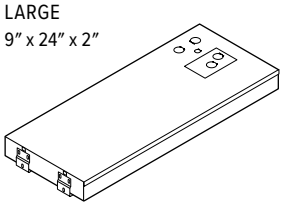
SMALL
Snap-in junction box
6-1/2″ x 3″ x 4-1/2″



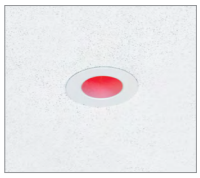
MEDIUM
3-1/2″ x 24″ x 2″



LARGE
9″ x 24″ x 2″

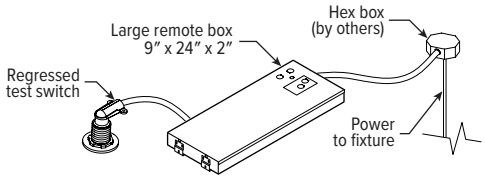


EMERGENCY BATTERY DETAILS



Regressed test switch
ø1-3/4″

Max remote distance is 50′ including suspension length, connection by others.



TRIMLOCK DETAILS

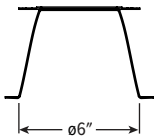
TWIST

PULL

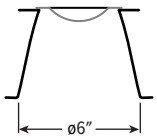
RELEASE

TRIM TYPE DETAILS

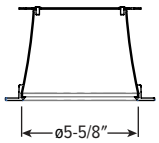
OPEN



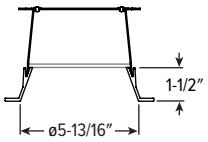
OPEN TOP DIFFUSER



FLUSH



REGRESSED



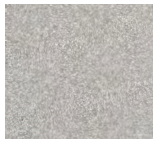
HOUSING FINISH DETAILS

WHITE

BLACK

BRONZE

NICKEL



SILVER

ALUM

RAL#____

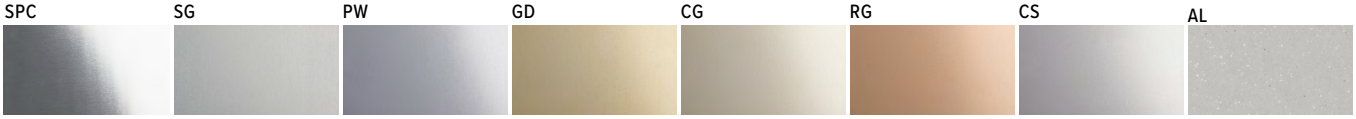
For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require four sample swatches, minimum 1″ square.

8CR dim to WARM
8″ Cylinder – Round

REFLECTOR FINISH DETAILS

Smooth Finish

SPC SG PW GD CG RG CS AL



Textured Finish

WH BL BZ NK SV

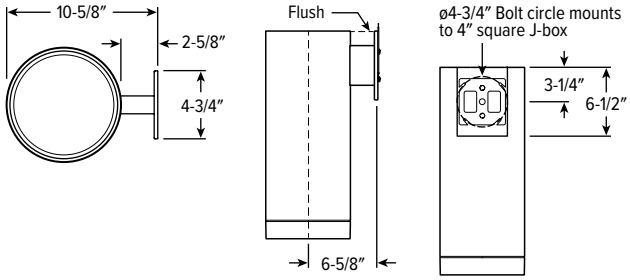
MOUNTING DETAILS

PENDANT MOUNT (PM__)

Provided with:

- 38° Swivel canopy
- 3/8″ IPS Threaded stem
- Specify length of stem, 6″ minimum, 24″ default length

WALL MOUNT (WM)



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** 24″ **48** 48″ **96** 96″	**3** 3 **4** 4 **5** 5 **6** 6	**8** 18-gauge	**Standard** **/W** White **/B** Black **Braided** [1] **/WH** White **/BL** Black **/BR** Brass **/AE** Aegean Blue **/RE** Red **/SV** Silver **/GU** Gunmetal **/NK** Nickel **/GR** Gray

1 (5) conductors cord only.

COLOR DETAILS

Additional colors may be available, consult factory.

White Black Brass Aegean Blue Red

Silver Gunmetal Nickel Gray