8CR dim to WARM
8" Cylinder – Round

Williams®

19-5/8"

ø6"
ø8"

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 [3]

HOUSING

HOUSING FINISH [4]		CONTROL	VOLTAGE	
ALUM	Silver sparkle aluminum	*See page 3 for CONTROL DETAILS.*	**UNV**	120-277V
BLK	Textured black		**347**	347V [5]
BRZ	Textured bronze	**DIM1** 1% dimming driver (0-10V signal to control dimming and CCT)		
NKL	Textured nickel	**LUT** Lutron Ecosystem enabled		
SLV	Textured silver			
WHT	Textured white			

TRIM

TRIM TYPE	DISTRIBUTION	REFLECTOR FINISH [6]		TRIM OPTIONS
O Open reflector	*See page 2 for BEAM ANGLE.*	**Open Trim Types**	**Lens Trim Types**	**AD** Diffuse acrylic lens [7]
F Open reflector with frosted top diffuser	**W** Wide	**CS** Clear semi-specular anodize	**CS** Clear semi-specular powder coat	**PD** Diffuse 1/8" polycarbonate lens [8]
L Flush lens	**M** Medium	**SG** Satin-glow anodize	**WH** White texture powder coat	
R Regressed lens	**N** Narrow	**GD** Gold anodize	**BL** Black texture powder coat	
		CG Champagne gold anodize	**BZ** Bronze texture powder coat	
		PW Pewter anodize	**NK** Nickel texture powder coat	
		SPC Clear specular anodize	**SV** Silver texture powder coat	
		RG Rose gold anodize	**AL** Silver sparkle aluminum	
		WH White texture powder coat		
		BL Black texture powder coat		

MOUNTING

MOUNTING TYPE [9]

CM__ Adjustable aircraft cable mount, 24", 48", 96", or 144" only, must specify. Example: 24" cable = **CM24** [10]
PM__ Pendant mount. Example: 24" pendant = **PM24** [11]
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] Painted driver box available, specify RDB/BLK or RDB/WHT.
[4] See page 3 for HOUSING FINISH DETAILS.
[5] Not available with EM batteries.

[6] See page 4 for REFLECTOR FINISH DETAILS.
[7] Not available with O or F Trim Types. W Distribution only.
[8] Not available with O or F Trim Types. W Distribution only.
[9] See page 4 for MOUNTING DETAILS.
[10] Canopy painted white unless specified otherwise. Must specify cord. See page 4 for CORD OPTIONS.
[11] Specify length in 1" increments, minimum 6". Canopy and pendant match fixture housing color unless specified otherwise.

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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
L8			M	14.0	860	61.5	797	56.9	775	55.4
L8			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
L15			M	23.4	1508	64.5	1397	59.8	1359	58.2
L15			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
L25			M	37.7	2465	65.4	2284	60.6	2226	59.1
L25			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.

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

BEAM ANGLE

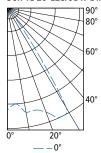| TRIM TYPE [2]	O	F	L	R
W	65°	70°	55°	55°
M	35°	35°	35°	35°
N	10°	20°	25°	25°

[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
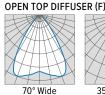

CANDLEPOWER DISTRIBUTION

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

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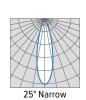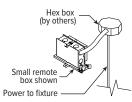
CONTROL DETAILS

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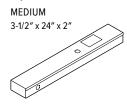
REMOTE MOUNT KEY	
O I S	RDB Optional, Small Box
O I M	RDB Optional, Medium Box
R I L	RDB Required, Large Box

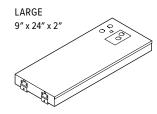### REMOTE MOUNT DETAILS

Max remote distance is 50' including suspension length, connection by others. Must be room-side accessible for maintenance.
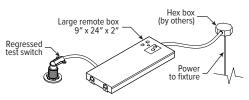
Hex box (by others)

Small remote box shown

Power to fixture

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.

Large remote box
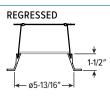9" x 24" x 2"

Hex box (by others)

Regressed test switch

Power to fixture

TRIMLOCK DETAILS

TWIST

PULL

RELEASE

TRIM TYPE DETAILS

OPEN
ø6"

OPEN TOP DIFFUSER
ø6"

FLUSH
ø5-5/8"

REGRESSED
ø5-13/16"
1-1/2"
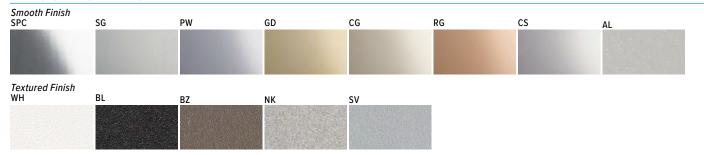
HOUSING FINISH DETAILS

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.

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REFLECTOR FINISH DETAILS

Smooth Finish

SPC	SG	PW	GD	CG	RG	CS	AL

Textured Finish

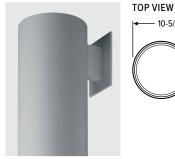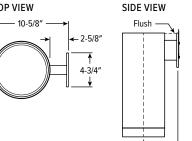| WH	BL	BZ	NK	SV

MOUNTING DETAILS

PENDANT MOUNT (PM__)

Provided with:
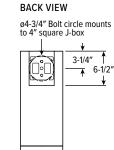- 38° Swivel canopy
- 3/8" IPS Threaded stem
- Specify length of stem, 6" minimum, 24" default length

WALL MOUNT (WM)

TOP VIEW
- 10-5/8"
- 2-5/8"
- 4-3/4"

SIDE VIEW
- Flush
- 6-5/8"

BACK VIEW
- ø4-3/4" Bolt circle mounts to 4" square J-box
- 3-1/4"
- 6-1/2"

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

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