8CR dim to WARM
8″ Compact Cylinder – Round

Williams

12″
ø6″
ø8″

CATALOG #: _____

TYPE: _____

PROJECT: _____

BAA & BABA COMPLIANT

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 [1]		COLOR	REMOTE	OPTIONS	
8CR - TL TrimLock	12 12″	L8 L15 L25	800lm 1,500lm 2,500lm	9DW Dim to warm (95 CRI, 1800K – 3000K)	RDB Remote mount control/driver box, galvanized steel [2]	EM/10WRM/RTS Remote mount 10-watt emergency battery with regressed test switch [3]	F Fuse

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 Painted driver box available, specify RDB/BLK or RDB/WHT.
3 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.
4 See page 4 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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Cylinders
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FEATURES

- Engineered to deliver great performance in a sleek, space-saving design
- Mimic the comfortable, welcoming glow of incandescent with warm-dimming technology
- 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
- 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. 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.
  - 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
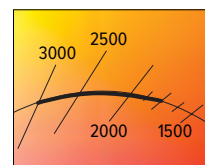
[1] Distribution will also be affected, consult factory.
[2] Beam angle based on CS or WH Reflector Finish.

PHOTOMETRY

8CR-TL-12-L25/9DW-DIM1-UNV-OW-CS Total Luminaire Output: 2471 lumens; 37.7 Watts | Efficacy: 65.5 lm/W | 95.0 CRI; 3000K CCT
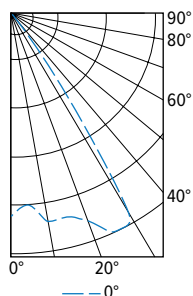
CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE 0°	ZONAL LUMENS
	0	2078	
	5	1963	187
	15	2157	611
	25	2464	1140
	35	751	472
	45	57	44
	55	16	15
	65	2	2
	75	0	0
	85	0	0
	90	0	

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

PHOTOMETRY CONTINUED ON NEXT PAGE.

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OPEN (O)
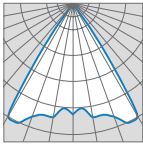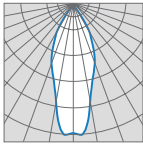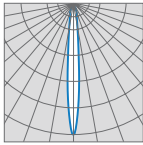
65° Wide	35° Medium	10° Narrow

OPEN TOP DIFFUSER (F)
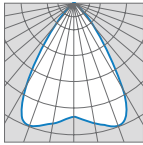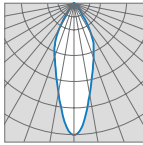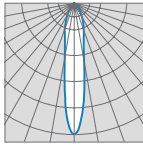
70° Wide	35° Medium	20° Narrow

FLUSH (L)
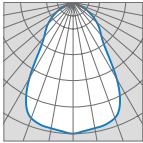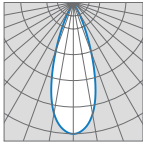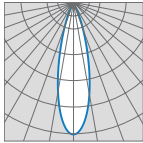
55° Wide	35° Medium	25° Narrow

REGRESSED (R)
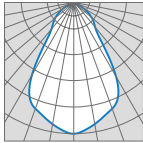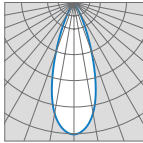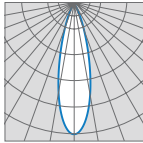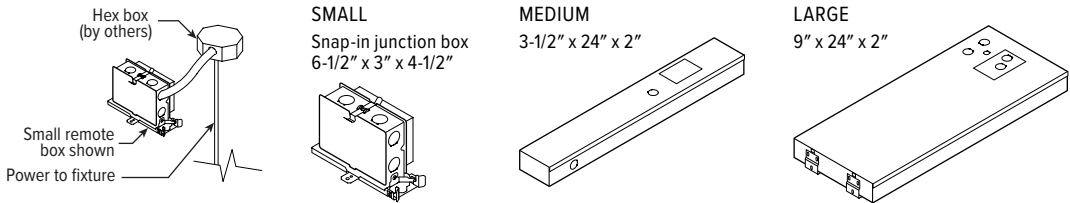
55° Wide	35° Medium	25° Narrow

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

REMOTE MOUNT KEY

R I S	RDB Required, Small Box
R I M	RDB Required, 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.
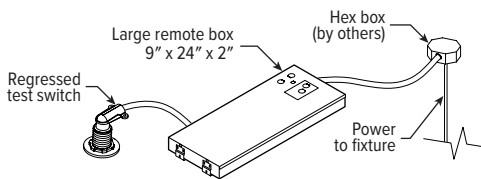
Hex box (by others)
Small remote box shown
Power to fixture

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

Max remote distance is 50′ including suspension length, connection by others.
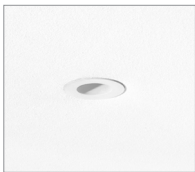
Regressed test switch
ø1-3/4″

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″

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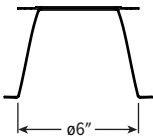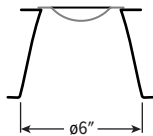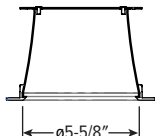
Cylinders
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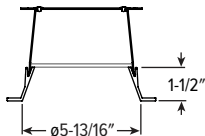
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8″ Compact Cylinder – Round

HOUSING FINISH DETAILS

WHITE	BLACK	BRONZE	NICKEL	SILVER	ALUM
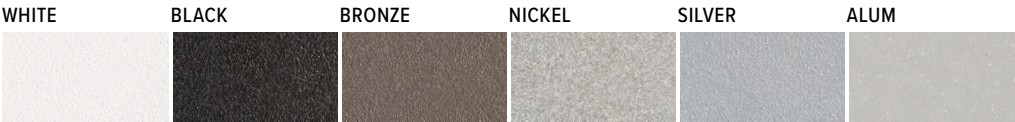
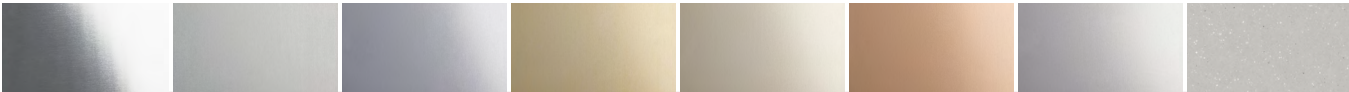For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require two sample swatches, minimum 1″ square.

REFLECTOR FINISH DETAILS

Smooth Finish

SPC	SG	PW	GD	CG	RG	CS	AL

Textured Finish

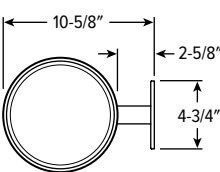| WH	BL	BZ	NK	SV

MOUNTING DETAILS

PENDANT MOUNT (PM__)

Provided with:
- 38° Swivel canopy
- 3/8″ IPS Threaded stem
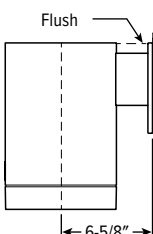- Specify length of stem, 6″ minimum, 24″ default length
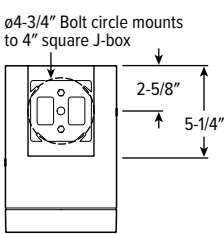
WALL MOUNT (WM)

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
2-5/8″
5-1/4″

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

COLOR DETAILS
Additional colors may be available, consult factory.

White	Black	Brass	Aegean Blue	Red

Silver	Gunmetal	Nickel	Gray

[1] (5) conductors cord only.

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