8CR dim to WARM
8" Cylinder – Round

Williams

19-5/8"

ø6"
ø8"

CATALOG #: _____

TYPE: _____

PROJECT: _____

BUY AMERICAN ACT COMPLIANT

ORDERING EXAMPLE: 8CR - TL - L25/9DW - OPTIONS - WHT - DIM1 - UNV - OW - CS - TRIM OPTIONS - CM

— HOUSING — | — TRIM — | MOUNT.

HOUSING

SERIES	LUMENS [1]	COLOR	OPTIONS	HOUSING FINISH [2]	CONTROL	VOLTAGE
8CR - TL TrimLock	**L8** 800lm **L15** 1,500lm **L25** 2,500lm	**9DW** Dim to warm (95 CRI, 1800K – 3000K)	*See page 4 for EMERGENCY BATTERY OPTIONS.* **F** Fuse **SDT** Stepdown transformer [3] **RDB** Remote mount control/ driver box, painted black [4]	**ALUM** Silver sparkle aluminum **BLK** Textured black **BRZ** Textured bronze **NKL** Textured nickel **SLV** Textured silver **WHT** Textured white	**DIM1** 1% dimming driver (0-10V signal to control dimming and CCT) **LUT** Lutron Ecosystem enabled	**UNV** 120-277V **347** 347V [5]

TRIM

TRIM TYPE
O Open reflector
L Flush lens
R Regressed lens

DISTRIBUTION [6]
W 65° Wide
M 35° Medium
N 10° Narrow

REFLECTOR FINISH [7]

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 [8]
PD Diffuse 1/8" polycarbonate lens [9]
TD Diffuse polycarbonate lens media at top of open reflector [10]

MOUNTING

MOUNTING TYPE [11]

CM__ Adjustable aircraft cable mount, 24", 48", 96", or 144" only, must specify. Example: 24" cable = **CM24** [12]
PM__ Pendant mount. Example: 24" pendant = **PM24** [13]
SM TwistLock surface mount to octagonal J-box
WM Wall mount

NOTES

[1] Lumen output based on O trim type, W distribution and CS finish, 3000K/95CRI. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA.
[2] See page 3 for HOUSING FINISH DETAILS.
[3] May be required for 347V, see product builder at hew.com/product-builder.
[4] Painted white available, specify RDB/WHT.
[5] Not available with EM batteries.
[6] Beam angle based on O Trim Type and CS reflector finish. Trim Type affects beam angle. See page 2 for FIXTURE PERFORMANCE DATA.
[7] See page 3 for REFLECTOR FINISH DETAILS.

[8] Not available with O trim type. W distribution only.
[9] Not available with O trim type. W distribution only.
[10] O Trim Type only.
[11] See page 4 for MOUNTING DETAILS.
[12] Canopy painted white unless specified otherwise. Must specify cord. See page 4 for CORD OPTIONS.
[13] 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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8″ Cylinder – Round

FEATURES

TrimLock® | TwistLock™

- Mimic the comfortable, welcoming glow of incandescent with warm-dimming technology
- 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
- 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

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.
  - Complies with the Buy American Act and other federal regulations. Request certification at hew.com/baa.
- WARRANTY – 5-year limited warranty, see hew.com/warranty.

FIXTURE PERFORMANCE DATA

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

MULTIPLIER TABLES

REFLECTOR FINISH

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

BEAM ANGLE

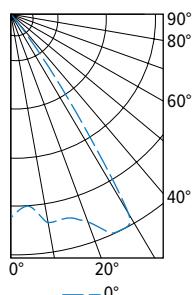|	TRIM TYPE OPEN	TRIM TYPE FLUSH	TRIM TYPE REGRESSED
W	65°	55°	55°
M	35°	35°	35°
N	10°	25°	25°

3000 2500 2000 1500
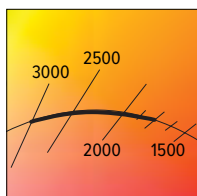
1. Distribution will also be affected, consult factory.
- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25ºC ambient temperature.
- Wattage shown is based on 120V input.
- Results based on 3000K/95CRI, actual lumens may vary +/-5%.
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
- Use multiplier tables to calculate additional options.

TRIM OPTIONS

CATALOG NUMBER	CONVERSION FACTOR
AD	0.85
PD	0.85
TD	0.75

PHOTOMETRY

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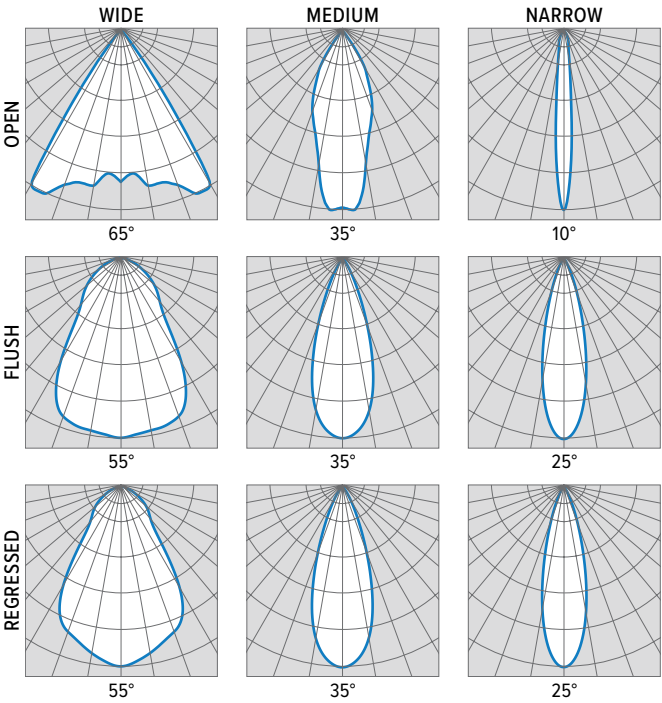

VERTICAL ANGLE	HORIZONTAL ANGLE 0°	ZONAL LUMENS
0	2078	
5	1963	187
15	2157	611
25	2464	1140
35	751	472
45	57	44
55	16	15
65	2	2
75	0	0
85	0	0
90	0	

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

CANDLEPOWER DISTRIBUTION

LUMEN SUMMARY

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	WIDE	MEDIUM	NARROW
OPEN	65°	35°	10°
FLUSH	55°	35°	25°
REGRESSED	55°	35°	25°

TRIMLOCK DETAILS

TWIST

PULL

RELEASE

TRIM TYPE DETAILS

OPEN — ø6″

FLUSH — ø5-5/8″

REGRESSED — ø5-13/16″, 1-1/2″

HOUSING FINISH DETAILS

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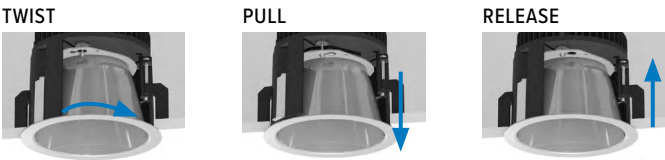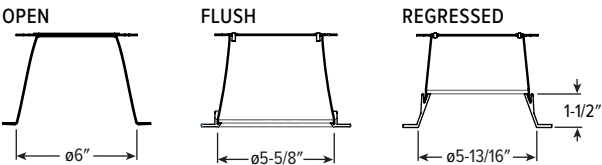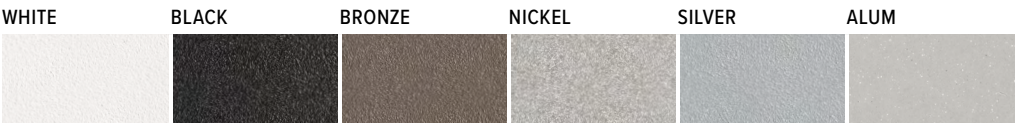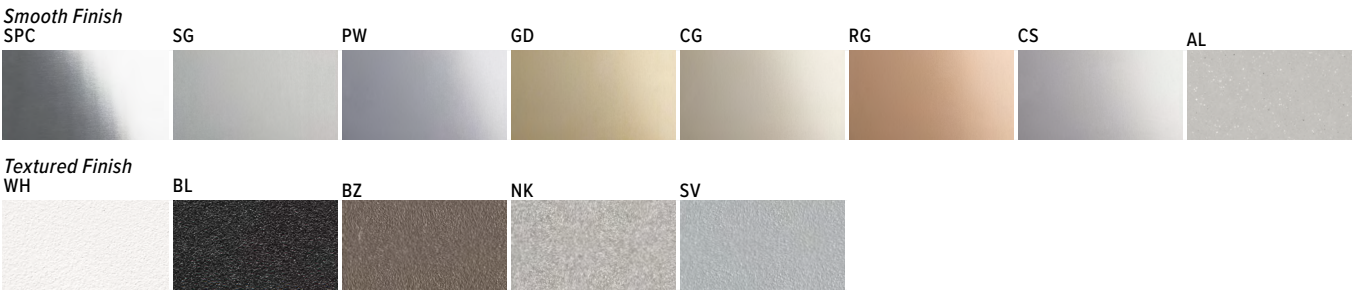
For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require two sample swatches, minimum 1″ square.

REFLECTOR FINISH DETAILS

Smooth Finish
SPC   SG   PW   GD   CG   RG   CS   AL

Textured Finish
WH   BL   BZ   NK   SV

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EMERGENCY BATTERY OPTIONS

Max remote distance 50′, including suspension length. Specify CEC in the option code when California Energy Commission regulations are required.

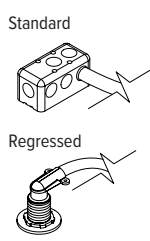| CATALOG NUMBER	DESCRIPTION
EM/7WRM	Remote mount 7-watt emergency battery
EM/7WRM/RTS	Remote mount 7-watt emergency battery with regressed test switch [1]
EM/10WRM	Remote mount 10-watt emergency battery
EM/10WRM/RTS	Remote mount 10-watt emergency battery with regressed test switch [1]
EM/12WRM	Remote mount 12-watt emergency battery [2]
EM/12WRM/RTS	Remote mount 12-watt emergency battery with regressed test switch [1] [2]

1 For use in grid ceiling installations only.   **2** Not available when CEC regulations are required.

RDB OPTION DETAILS

Hex box, flex, & low-voltage conductors (by others)

To test switch

Remote box
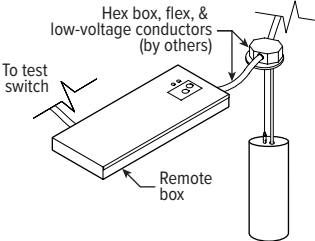
TEST SWITCH DETAILS

Standard

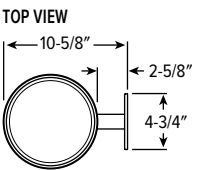Regressed

MOUNTING DETAILS

PENDANT MOUNT (PM__)

Swivel pendant mount fixtures are provided with:
- 45° Swivel canopy
- 3/8″ IPS Threaded stem
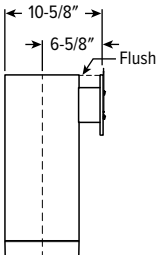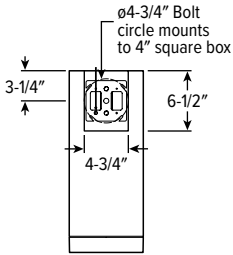- Specify length of stem, 6″ minimum, 24″ default length

WALL MOUNT (WM)

Mounts to 4″ square J-box

TOP VIEW
10-5/8″
2-5/8″
4-3/4″

SIDE VIEW
10-5/8″
6-5/8″
Flush

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

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 24″, 48″, 96″, or 144″ 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″ **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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