4CR dim to WARM
4″ Compact Cylinder – Round

Williams

8-5/16″

ø2-1/2″
ø4-1/4″

CATALOG #: _____

TYPE: _____

PROJECT: _____

BUY AMERICAN ACT COMPLIANT · Low UGR · TwistLock™

ORDERING EXAMPLE: 4CR - 08 - L12/9DW - RDB - OPTIONS - WHT - DIM1 - UNV - OW - CS - TRIM OPTIONS - CM

——————————————— HOUSING ——————————————— / ——— TRIM ——— / MOUNT.

HOUSING

SERIES	HEIGHT	LUMENS [1]	COLOR	REMOTE	OPTIONS
4CR	08 8″	L7 700lm L12 1,200lm	9DW Dim to warm (95 CRI, 1800K – 3000K)	RDB Remote mount control/driver box, galvanized steel [2]	*See page 3 for EMERGENCY BATTERY OPTIONS.*

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

TRIM

TRIM TYPE	DISTRIBUTION [4]	REFLECTOR FINISH [5]		TRIM OPTIONS
O Open reflector L Flush lens R Regressed lens	W 70° Wide M 40° Medium N 15° Narrow [6]	**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	AD Diffuse acrylic lens [7] PD Diffuse 1/8″ polycarbonate lens [8] TD Diffuse polycarbonate lens media at top of open reflector [9]

MOUNTING

MOUNTING TYPE [10]

CM__ Adjustable aircraft cable mount, 24″, 48″, 96″, or 144″ only, must specify. Example: 24″ cable = **CM24** [11]
PM__ Pendant mount. Example: 24″ pendant = **PM24** [12]
PC__ Power cord mount. Example: 24″ cord = **PC24** [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 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. See page 3 for HOUSING FINISH DETAILS.
4. Beam angle based on O Trim Type and CS Reflector Finish. Trim Type affects beam angle. See page 2 for FIXTURE PERFORMANCE DATA.
5. See page 4 for REFLECTOR FINISH DETAILS.
6. O Trim Type only when specified with L12 lumen package.
7. Not available with O Trim Type. W Distribution only.
8. Not available with O Trim Type. W Distribution only.
9. O Trim Type only.
10. See page 4 for MOUNTING DETAILS.
11. Canopy painted white unless specified otherwise. Must specify cord. See page 4 for CORD OPTIONS.
12. Specify length in 1″ increments, minimum 6″. Canopy and pendant match fixture housing color unless specified otherwise.
13. 48″ and 96″ lengths available. Canopy painted white unless specified otherwise. Must specify cord. See page 4 for CORD OPTIONS.

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Cylinders
Page 1 of 4

4CR dim to WARM
4″ Compact Cylinder – Round

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
- Precision illumination with 15° narrow to 70° wide optics
- Complement the architectural elements of any space with a multitude of housing, trim and cord finishes
- Limitless application opportunities via pendant, cable, power cord, wall and ceiling mounts
- Ensure a simple and secure installation with TwistLock™ surface mount technology
- Low UGR meets LEED and WELL requirements

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.
- 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 = 49,000 hours. Estimated L70 = 179,000 hours.
- MOUNTING – Surface, cable, pendant, power cord 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.
  - 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 | | FLUSH LENS TRIM TYPE | | REGRESSED LENS TRIM TYPE | |
					DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)
L7	3000K	1800K	W	14.8	715	48	749	50	741	50
			M	14.8	710	48	757	51	725	49
			N	14.8	590	40	764	52	745	50
L12			W	23.3	1239	53	1297	56	1284	55
			M	23.3	1243	53	1327	57	1269	54
			N	23.3	941	40	–	–	–	–

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
AD	0.85
PD	0.85
TD	0.67

BEAM ANGLE

| TRIM TYPE | | | |
	OPEN	FLUSH	REGRESSED
W	70°	50°	55°
M	40°	30°	30°
N	15°	20°	20°
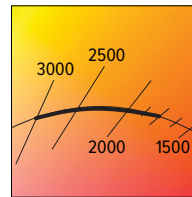
[1] Distribution will also be affected, consult factory.
- Photometrics tested in accordance with IESNA LM-79. Results based on CS (O Trim Type) or WH (L and R Trim Types) Reflector Finish, W Distribution, 95 CRI/3000K CCT, average wattage for 120V input, and 25°C ambient temperature. Actual performance may vary +/-5%.
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
- Use multiplier tables to calculate additional options.

PHOTOMETRY

4CR-08-L12/9DW-DIM1-UNV-OW-CS Total Luminaire Output: 1239 lumens; 23.3 Watts | Efficacy: 53.1 lm/W | 95 CRI; 3000K CCT
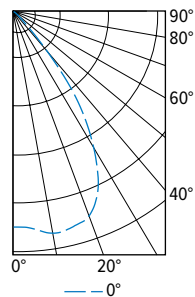
VERTICAL ANGLE	HORIZONTAL ANGLE 0°	ZONAL LUMENS
0	1076	
5	1086	79
15	1132	183
25	1006	218
35	487	122
45	63	17
55	17	6
65	6	2
75	1	0
85	0	0
90	0	

	ZONE	LUMENS	% FIXTURE
LUMEN SUMMARY	0 - 40	1154	93
	0 - 60	1231	99
	0 - 90	1239	100
	0-180	1239	100

PHOTOMETRY CONTINUED ON NEXT PAGE.

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Cylinders
Page 2 of 4

OPEN   **FLUSH**

70°   40°   15°   50°   30°   20°

REGRESSED

55°   30°   20°
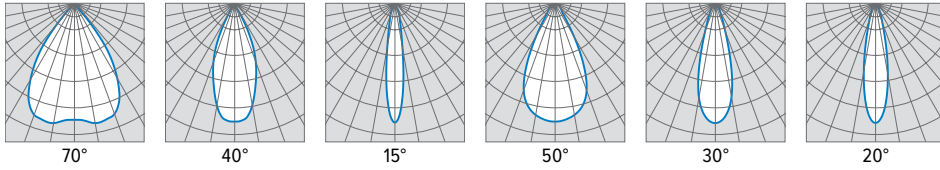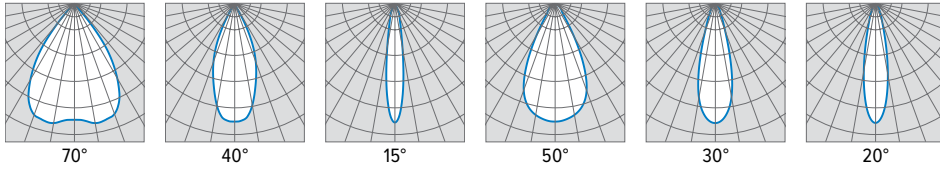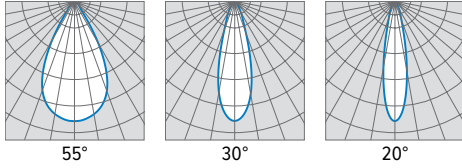
CONTROL DETAILS

CONTROL	DESCRIPTION	RDB DETAILS BY LUMEN STOP				REMOTE MOUNT KEY	
		L7	L12	w/EM			
DIM1	1% dimming driver (0-10V signal to control dimming and CCT) prewired for low voltage applications	R | S	R | S	R | L		R | S	RDB Required, Small Box
LUT	Lutron Ecosystem enabled	R | M	R | M	R | L		R | M	RDB Required, Medium Box
						R | L	RDB Required, Large Box

REMOTE MOUNT DETAILS
Max remote distance is 50'
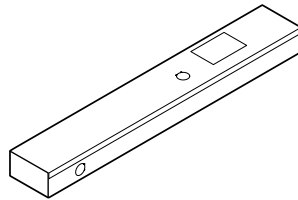including suspension. Must
be room-side accessible for
maintenance.

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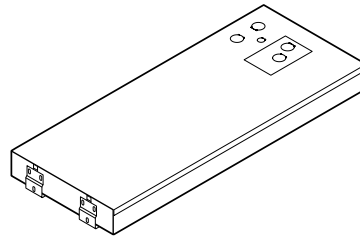low-voltage conductors
(by others)

Medium
remote
box shown
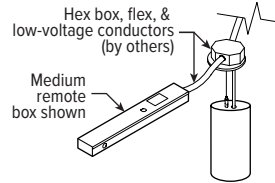
SMALL
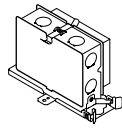
Snap-in
Junction Box
6-1/2″ x 3″ x 4-1/2″

MEDIUM

3-1/2″ x 24″ x 2″

LARGE

9″ x 24″ x 2″

EMERGENCY BATTERY OPTIONS

Max remote distance 50′, including suspension length. Large remote box provided. Specify CEC in the option code when California Energy Commission regulations are required.
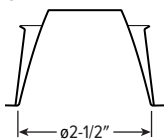
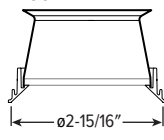| CATALOG NUMBER	DESCRIPTION
EM/7WRM/RTS	Remote mount 7-watt emergency battery with regressed test switch
EM/10WRM/RTS	Remote mount 10-watt emergency battery with regressed test switch
EM/12WRM/RTS	Remote mount 12-watt emergency battery with regressed test switch [1]

1 Not available when CEC regulations are required.

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

To test
switch

Large remote box
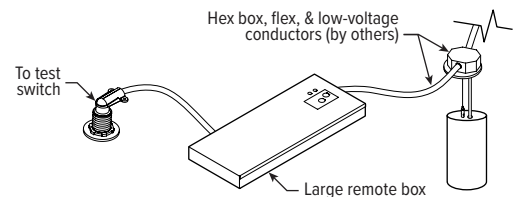
TRIM TYPE DETAILS

OPEN
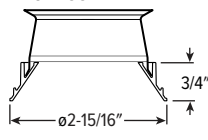ø2-1/2″

FLUSH
ø2-15/16″

REGRESSED
ø2-15/16″   3/4″

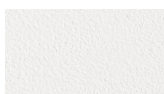## HOUSING FINISH DETAILS

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.
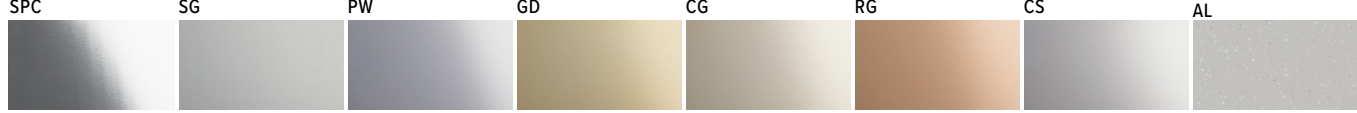
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Cylinders
Page 3 of 4

4CR dim to WARM
4″ Compact Cylinder – Round

REFLECTOR FINISH DETAILS

Smooth Finish

| SPC | SG | PW | GD | CG | RG | CS | AL |

Textured Finish

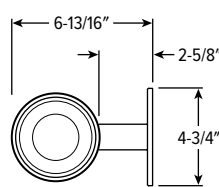| WH | BL | BZ | NK | SV |

MOUNTING DETAILS

PENDANT MOUNT (PM__)

Provided with:
- 45° Swivel canopy
- 3/8″ IPS Threaded stem
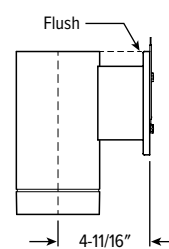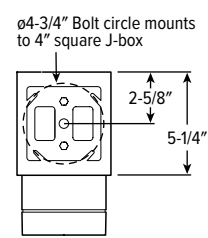- Specify length of stem, 6″ minimum, 24″ default length

WALL MOUNT (WM)

TOP VIEW
6-13/16″
2-5/8″
4-3/4″

SIDE VIEW
Flush
4-11/16″

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

POWER CORD MOUNT (PC)

Provided with:
- 18-gauge cord, see Cord Options for ordering info.
- One 5″ canopy
- Power cord mounting adaptor

CORD OPTIONS

Must specify cord when cable and power cord 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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Cylinders
Page 4 of 4