4CS dim to WARM
4″ Compact Cylinder – Square

Williams

8-5/16″

2-11/16″
4-1/4″

CATALOG #: _____

TYPE: _____

PROJECT: _____

BUY AMERICAN ACT COMPLIANT · Low UGR · TwistLock™

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

├─────────────────────── HOUSING ───────────────────────┤ ├──────── TRIM ────────┤ MOUNT.

HOUSING

SERIES	HEIGHT	LUMENS [1]	COLOR	REMOTE	OPTIONS
4CS	08 8″	L7 700lm L12 1,200lm	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]

HOUSING FINISH [4]	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 [5]	REFLECTOR FINISH [6]		TRIM OPTIONS
L Flush lens **O** Open reflector **R** Regressed lens	**W** 50° Wide **M** 30° Medium **N** 20° Narrow [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	**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 [8] **PD** Diffuse 1/8″ polycarbonate lens [9]

MOUNTING

MOUNTING TYPE [10]

CM__ Adjustable aircraft dual 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 L Trim Type, W Distribution and WH 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 3 for HOUSING FINISH DETAILS.
5 Beam angle based on L Trim Type and WH Reflector Finish. Trim Type affects beam angle. See page 2 for FIXTURE PERFORMANCE DATA.
6 See page 4 for REFLECTOR FINISH DETAILS.

7 Not available with L12 lumen package.
8 Not available with O Trim Type. W Distribution only.
9 Not available with O Trim Type. W Distribution 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
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4CS
dim to WARM
4" Compact Cylinder – Square

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 20° narrow to 50° 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
- 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.
- OPEN REFLECTOR – Low-iridescent anodized aluminum with top diffuser. 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	FLUSH LENS TRIM TYPE DELIVERED LUMENS	FLUSH LENS TRIM TYPE EFFICACY (lm/W)	OPEN REFLECTOR TRIM TYPE DELIVERED LUMENS	OPEN REFLECTOR TRIM TYPE EFFICACY (lm/W)	REGRESSED LENS TRIM TYPE DELIVERED LUMENS	REGRESSED LENS TRIM TYPE EFFICACY (lm/W)
L7	3000K	1800K	W	14.8	729	49	528	36	734	50
L7	3000K	1800K	M	14.8	731	49	500	34	720	49
L7	3000K	1800K	N	14.8	708	48	516	35	708	48
L12	3000K	1800K	W	23.3	1263	54	915	39	1273	55
L12	3000K	1800K	M	23.3	1267	54	867	37	1248	54
L12	3000K	1800K	N	–	–	–	–	–	–	–

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
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

TRIM OPTIONS

CATALOG NUMBER	CONVERSION FACTOR
AD	0.85
PD	0.85

BEAM ANGLE

TRIM TYPE

	FLUSH	OPEN	REGRESSED
W	50°	50°	55°
M	30°	47°	30°
N	20°	47°	20°
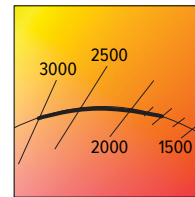
1 Distribution will also be affected, consult factory.
- Photometrics tested in accordance with IESNA LM-79. Results based on WH (L and R Trim Types) or CS (O Trim Type) Reflector Finish, W Distribution, 95 CRI/3000K CCT, average wattage for 120V input, and 25°C ambient temperature. Actual performance 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

4CS-08-L12/9DW-DIM1-UNV-LW-WH Total Luminaire Output: 1263 lumens; 23.3 Watts | Efficacy: 54 lm/W | 95 CRI; 3000K CCT
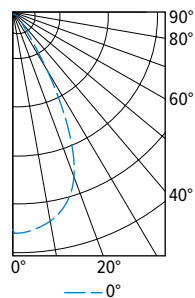
VERTICAL ANGLE	HORIZONTAL ANGLE 0°	ZONAL LUMENS
0	1460	
5	1474	137
15	1332	366
25	840	391
35	212	179
45	86	77
55	56	54
65	36	37
75	18	19
85	4	4
90	0	

ZONE	LUMENS	% FIXTURE
0 - 40	1073	85
0 - 60	1203	95
0 - 90	1263	100
0-180	1263	100

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Cylinders
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4CS

dim to WARM

4″ Compact Cylinder – Square

FLUSH

| 50° | 30° | 20° |

OPEN

| 50° | 47° | 47° |

REGRESSED

| 55° | 30° | 20° |
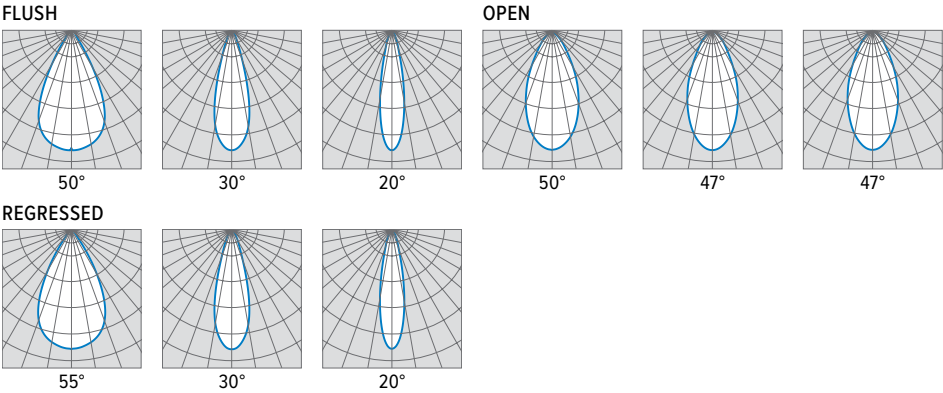
CONTROL DETAILS

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

REMOTE MOUNT DETAILS

Max remote distance is 50′ including suspension. Must be room-side accessible for maintenance.
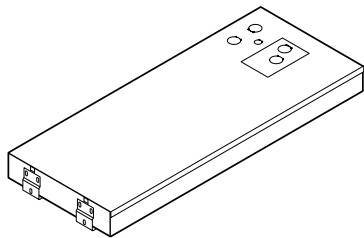
Hex box, flex, & low-voltage conductors (by others)

Medium remote box shown
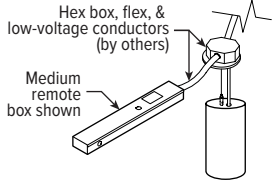
SMALL
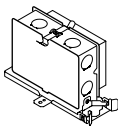
Snap-in Junction Box

6-1/2″ x 3″ x 4-1/2″

MEDIUM
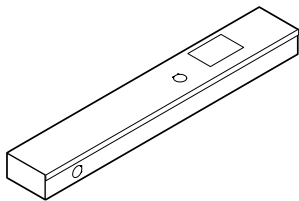
3-1/2″ x 24″ x 2″
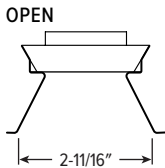
LARGE

9″ x 24″ x 2″

EMERGENCY BATTERY DETAILS

To test switch

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

Large remote box

TRIM TYPE DETAILS

FLUSH

2-15/16″

OPEN

2-11/16″

REGRESSED

2-15/16″

3/4″

HOUSING FINISH DETAILS

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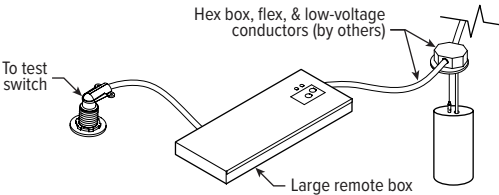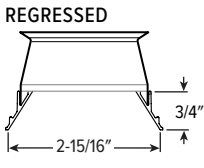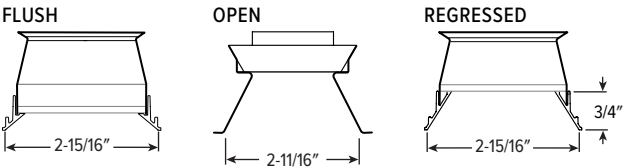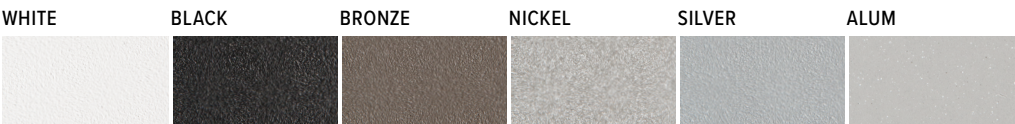
For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require two sample swatches, minimum 1″ square.

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4″ Compact Cylinder – Square

REFLECTOR FINISH DETAILS

Smooth Finish

SPC	SG	PW	GD	CG	RG	CS	AL

Textured Finish

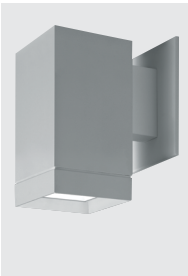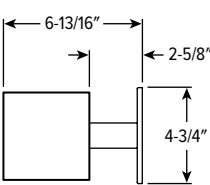| WH	BL	BZ	NK	SV

MOUNTING DETAILS

PENDANT MOUNT (PM__)

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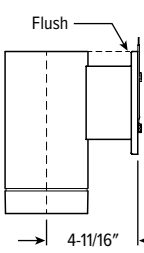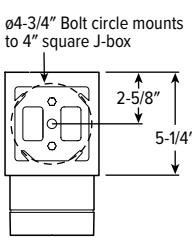- Specify length of stem, 6″ minimum, 24″ default length

WALL MOUNT (WM)

TOP VIEW
6-13/16″
2-5/8″

SIDE VIEW
Flush
4-3/4″
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.

Provided with surface mount adaptor with pigtail

CABLE MOUNT (CM__)

Provided with:
- Dual adjustable length aircraft cables, 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

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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