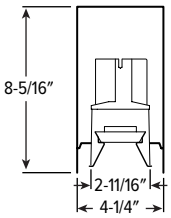
4CS dim to WARM
4″ Compact Cylinder – Square



CATALOG #:

TYPE:

PROJECT:

BAA & BABA COMPLIANT · Low UGR · TwistLock™

ORDERING EXAMPLE: 4CS - 08 - L12/9DW - RDB - OPTIONS - WHT - DIM1 - UNV - LW - WH - TRIM OPTIONS - CM
(HOUSING: 4CS - 08 - L12/9DW - RDB - OPTIONS - WHT - DIM1 - UNV; TRIM: LW - WH - TRIM OPTIONS; MOUNT.: CM)

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	**EM/10WRM/RTS** Remote mount 10-watt emergency battery with regressed test switch [2]

HOUSING FINISH [3]

ALUM Silver sparkle aluminum
BLK Textured black
BRZ Textured bronze
NKL Textured nickel
SLV Textured silver
WHT Textured white

CONTROL

See page 3 for CONTROL DETAILS.

DIM1 1% dimming driver (0-10V signal to control dimming and CCT)
LUT Lutron Ecosystem enabled

VOLTAGE

UNV 120-277V
347 347V

TRIM

TRIM TYPE

L Flush lens
O Open reflector
R Regressed lens

DISTRIBUTION [4]

W 50° Wide
M 30° Medium
N 20° Narrow [6]

REFLECTOR FINISH [5]

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

TRIM OPTIONS

AD Diffuse acrylic lens [7]
PD Diffuse 1/8″ polycarbonate lens [8]

MOUNTING

MOUNTING TYPE [9]

CM__ Adjustable aircraft dual cable mount, 24″, 48″, 96″, or 144″ only, must specify. Example: 24″ cable = **CM24** [10]
PM__ Pendant mount. Example: 24″ pendant = **PM24** [11]
PC__ Power cord mount. Example: 24″ cord = **PC24** [12]
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 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 See page 3 for HOUSING FINISH DETAILS.
4 Beam angle based on L Trim Type and WH Reflector Finish. Trim Type affects beam angle. See page 2 for FIXTURE PERFORMANCE DATA.
5 See page 4 for REFLECTOR FINISH DETAILS.
6 Not available 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 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.
12 48″ and 96″ lengths available. Canopy painted white unless specified otherwise. Must specify cord. See page 4 for CORD OPTIONS.

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.
  - 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)	DISTRIBUTION	WATTAGE	FLUSH LENS TRIM TYPE		OPEN REFLECTOR 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	729	49	528	36	734	50
			M	14.8	731	49	500	34	720	49
			N	14.8	708	48	516	35	708	48
L12			W	23.3	1263	54	915	39	1273	55
			M	23.3	1267	54	867	37	1248	54
			N	–	–	–	–	–	–	–

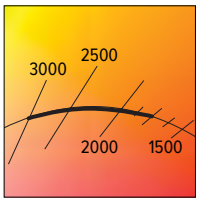
MULTIPLIER TABLES

	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
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

BEAM ANGLE

	TRIM TYPE		
	FLUSH	OPEN	REGRESSED
W	50°	50°	55°
M	30°	47°	30°
N	20°	47°	20°

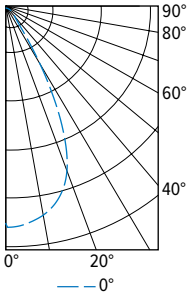


1 Distribution will also be affected, consult factory.

- 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



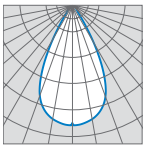
CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE 0°	ZONAL LUMENS
	0	1460	
	5	1474	137
	15	1332	366
	25	840	391
	35	212	179
	45	86	77
	55	56	54
	65	36	37
	75	18	19
	85	4	4
	90	0	

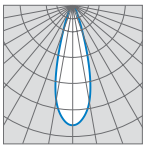
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	1073	85
	0 - 60	1203	95
	0 - 90	1263	100
	0-180	1263	100

PHOTOMETRY CONTINUED ON NEXT PAGE.

4CS dim to WARM
4″ Compact Cylinder – Square

FLUSH


50°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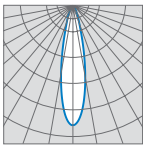
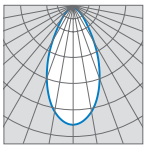

20°

OPEN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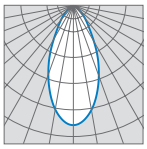
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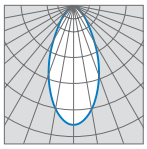
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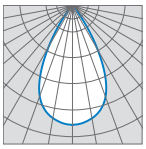
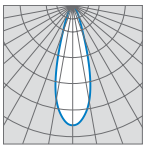
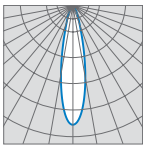
REGRESSED


55°


30°


20°

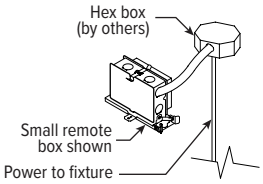
CONTROL DETAILS

CONTROL	DESCRIPTION	RDB DETAILS BY LUMEN STOP		
		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
LUT	Lutron Ecosystem enabled	R | M	R | M	R | L

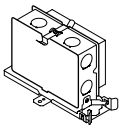
REMOTE MOUNT KEY	
R | S	RDB Required, Small Box
R | M	RDB Required, Medium Box
R | L	RDB Required, Large Box

REMOTE MOUNT DETAILS

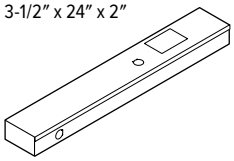
Max remote distance is 50′ including suspension length, connection by others. Must be room-side accessible for maintenance.



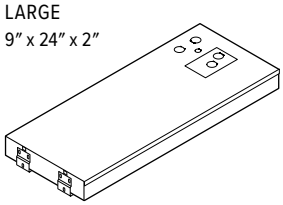
SMALL
Snap-in junction box
6-1/2″ x 3″ x 4-1/2″



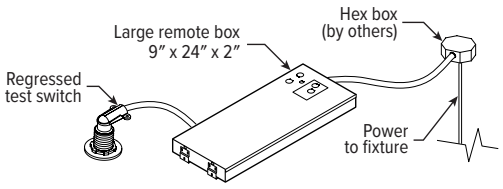
MEDIUM
3-1/2″ x 24″ x 2″



LARGE
9″ x 24″ x 2″

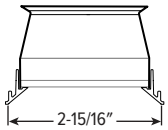


EMERGENCY BATTERY DETAILS



TRIM TYPE DETAILS

FLUSH



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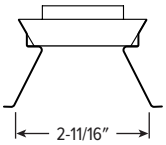

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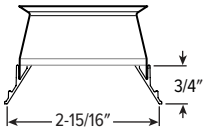


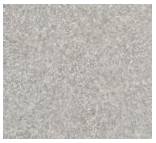
HOUSING FINISH DETAILS

WHITE

BLACK

BRONZE

NICKEL



SILVER

ALUM

RAL#____

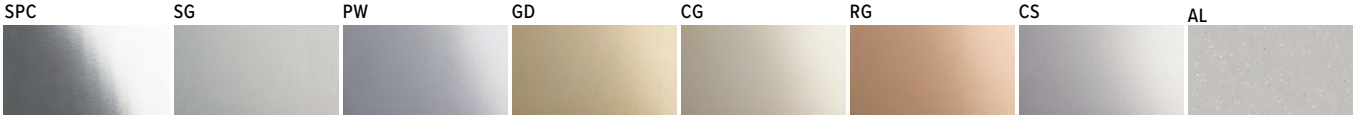
For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require four sample swatches, minimum 1″ square.

4CS dim to WARM
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

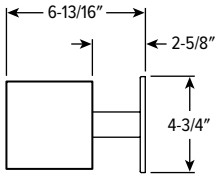
PENDANT MOUNT (PM__)

Provided with:

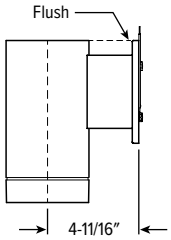
- 38° Swivel canopy
- 3/8″ IPS Threaded stem
- Specify length of stem, 6″ minimum, 24″ default length

WALL MOUNT (WM)

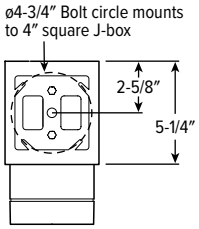
TOP VIEW



SIDE VIEW



BACK VIEW



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