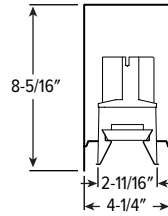


4CS dim to WARM

4" Compact Cylinder – Square



CATALOG #: _____

TYPE: _____

PROJECT: _____



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]	See page 3 for EMERGENCY BATTERY OPTIONS.

HOUSING FINISH ^[3]	CONTROL	VOLTAGE
ALUM Silver sparkle aluminum	See page 3 for CONTROL DETAILS.	UNV 120-277V
BLK Textured black		347 347V
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 ^[4]	REFLECTOR FINISH ^[5]	Lens Trim Types	TRIM OPTIONS
L Flush lens	W 50° Wide	Open Trim Types	CS Clear semi-specular powder coat	AD Diffuse acrylic lens ^[7]
O Open reflector	M 30° Medium	CS Clear semi-specular anodize	WH White texture powder coat	PD Diffuse 1/8" polycarbonate lens ^[8]
R Regressed lens	N 20° Narrow ^[6]	SG Satin-glow anodize	BL Black texture powder coat	
		GD Gold anodize	BZ Bronze texture powder coat	
		CG Champagne gold anodize	NK Nickel texture powder coat	
		PW Pewter anodize	SV Silver texture powder coat	
		SPC Clear specular anodize	AL Silver sparkle aluminum	
		RG Rose gold anodize		

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 Painted driver box available, specify RDB/BLK or RDB/WHT.
- 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

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		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	3000K	1800K	W	23.3	1263	54	915	39	1273	55
			M	23.3	1267	54	867	37	1248	54
			N	–	–	–	–	–	–	–

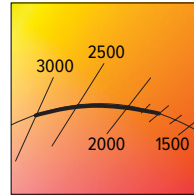
MULTIPLIER TABLES

	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

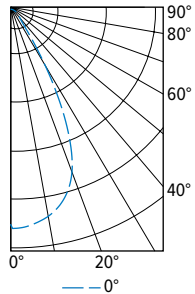
	TRIM TYPE		
	FLUSH	OPEN	REGRESSED
W	50°	50°	55°
M	30°	47°	30°
N	20°	47°	20°



- 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	ZONAL LUMENS
		0°	
	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	

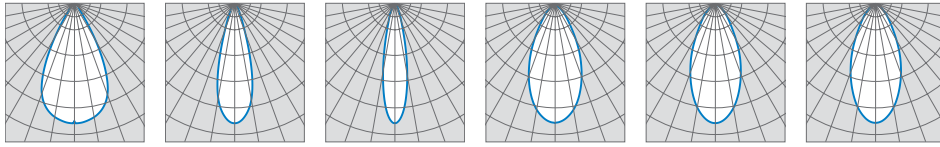
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	1073	85
	0 - 60	1203	95
	0 - 90	1263	100
	0-180	1263	100

PHOTOMETRY CONTINUED ON NEXT PAGE.



4CS dim to **WARM** 4" Compact Cylinder – Square

FLUSH

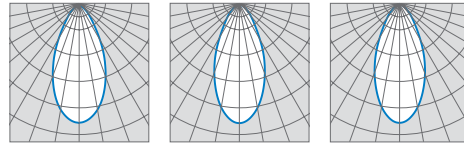


50°

30°

20°

OPEN

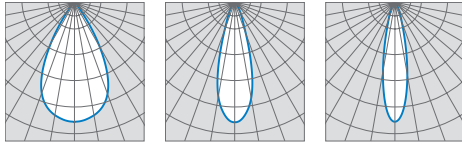


50°

47°

47°

REGRESSED



55°

30°

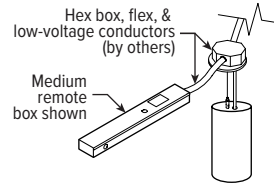
20°

CONTROL DETAILS

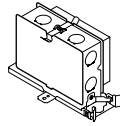
CONTROL	DESCRIPTION	RDB DETAILS BY LUMEN STOP			REMOTE MOUNT KEY	
		L7	L12	w/EM	R S	RDB Required, Small Box
DIM1	1% dimming driver (0-10V signal to control dimming and CCT) prewired for low voltage applications	R S	R S	R L	R M	RDB Required, Medium Box
LUT	Lutron Ecosystem enabled	R M	R M	R L	R L	RDB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

REMOTE MOUNT DETAILS

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



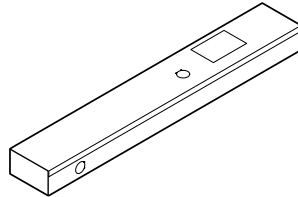
SMALL



Snap-in
Junction Box

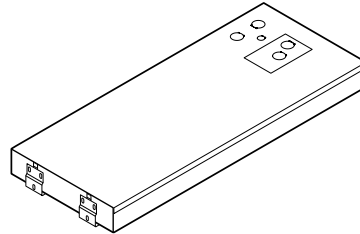
6-1/2" x 3" x 4-1/2"

MEDIUM



3-1/2" x 24" x 2"

LARGE



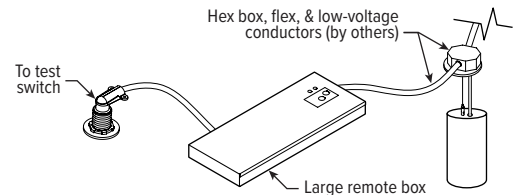
9" x 24" x 2"

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.

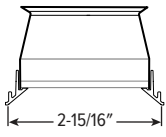
CATALOG NUMBER	DESCRIPTION
EM/7WRM/RTS	Remote mount 7-watt emergency battery with regressed test switch
EM/10WRM/RTS	Remote mount 10-watt emergency battery with regressed test switch
EM/12WRM/RTS	Remote mount 12-watt emergency battery with regressed test switch ^[1]

¹ Not available when CEC regulations are required.

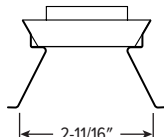


TRIM TYPE DETAILS

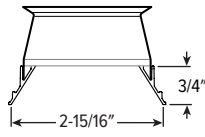
FLUSH



OPEN

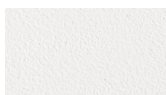


REGRESSED



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.

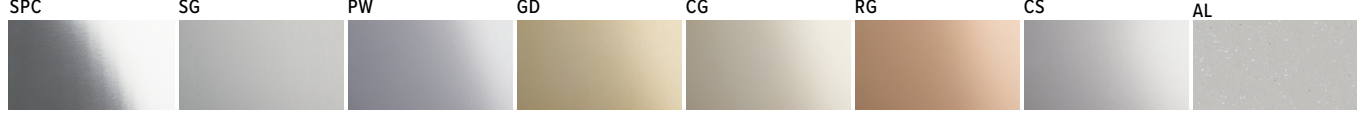


4CS dim to WARM

4" Compact Cylinder – Square

REFLECTOR FINISH DETAILS

Smooth Finish



Textured Finish



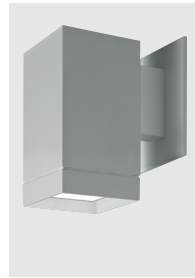
MOUNTING DETAILS

PENDANT MOUNT (PM__)

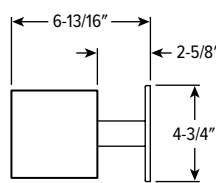


- Provided with:
- 45° Swivel canopy
 - 3/8" IPS Threaded stem
 - Specify length of stem, 6" minimum, 24" default length

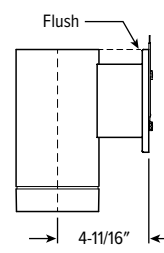
WALL MOUNT (WM)



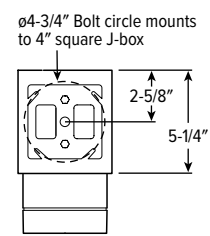
TOP VIEW



SIDE VIEW



BACK VIEW



SURFACE MOUNT (SM)



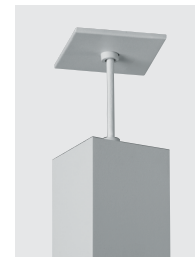
- TwistLock™**
- Simple lift-and-twist mounting secures fixture to J-box.
- Provided with surface mount adaptor with pigtail

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"	3 3	8 18-gauge	Standard
	48 48"	4 4		/W White
	96 96"	5 5		/B Black
		6 6		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.

