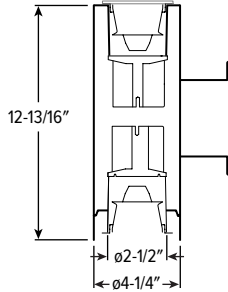


4CSDI dim to WARM

4" Compact Direct/Indirect Cylinder – Square



CATALOG #: _____

TYPE: _____

PROJECT: _____



ORDERING EXAMPLE: 4CSDI - 13 - L12/9DWU/L12/9DWD - RDB - OPTIONS - WHT - DIM1 - UNV - LW/LM - WH - TRIM OPTIONS - WM
 HOUSING TRIM MOUNT.

HOUSING

SERIES	HEIGHT	LUMEN PACKAGE (Example: L12/9DWU/L7/9DWD)	REMOTE	OPTIONS
4CSDI	13 13"	Specify lumen packages: U for Uplight and D for Downlight LUMENS ^[2] COLOR U OR D L7 700lm 9DW Dim to warm (95 CRI, 1800K – 3000K) U Uplight L12 1,200lm D Downlight	RDB Remote mount control/driver box, galvanized steel ^[1]	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	DIM1 1% dimming driver (0-10V signal to control dimming and CCT)	347 347V
BRZ Textured bronze	LUT Lutron Ecosystem enabled	
NKL Textured nickel		
SLV Textured silver		
WHT Textured white		

TRIM

TRIM TYPE AND DISTRIBUTION ^[4] (Example Uplight/Downlight: LW/LM)	REFLECTOR FINISH ^[5]	TRIM OPTIONS
TRIM TYPE	Downlight Open Trim Types	Downlight Lens Trim Types
DISTRIBUTION	CS Clear semi-specular anodize	CS Clear semi-specular powder coat
Uplight	SG Satin-glow anodize	WH White texture powder coat
L Flush lens ^[8]	GD Gold anodize	BL Black texture powder coat
Downlight	CG Champagne gold anodize	BZ Bronze texture powder coat
O Open reflector	PW Pewter anodize	NK Nickel texture powder coat
L Flush lens	SPC Clear specular anodize	SV Silver texture powder coat
R Regressed lens	RG Rose gold anodize	AL Silver sparkle aluminum
DISTRIBUTION		AD Diffuse acrylic lens ^[6]
W 50° Wide		PD Diffuse 1/8" polycarbonate lens ^[7]
M 30° Medium		
Downlight		
W 50° Wide		
M 30° Medium		
N 20° Narrow ^[9]		

MOUNTING

MOUNTING TYPE ^[10]
WM Wall mount

NOTES

- Painted driver box available, specify RDB/BLK or RDB/WHT.
- 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
- See page 4 for HOUSING FINISH DETAILS.
- Beam angle based on L Trim Type and WH Reflector Finish. Trim Type affects beam angle. See page 2 for FIXTURE PERFORMANCE DATA.
- Specified for Downlight Trim Type only. See page 4 for REFLECTOR FINISH DETAILS.
- Not available with O Trim Type. Downlight only. W Distribution only.
- Not available with O Trim Type. Downlight only. W Distribution only.
- Trim finish matches Housing Finish. Other colors available, consult factory.
- Not available with L12 lumen package
- See page 4 for FIXTURE DETAILS.



4CSDI dim to WARM

4" Compact Direct/Indirect 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
- Smoothly accent walls and eliminate dark ceilings with direct and indirect lighting
- Parallel the performance and style of the Williams downlight collection
- Superior optical control with beams as narrow as 20° and field changeable optics as wide as 50°
- Complement the architectural elements of any space with a multitude of housing and trim finishes
- Precision-engineered extruded aluminum housing and die-cast aluminum trim face for clean aesthetic
- 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 aluminum with top diffuser. Clear semi-specular finish standard.
- LENSED TRIM** – Die-cast aluminum frame with micro-prismatic lens (acrylic downlight, tempered glass uplight).
- 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** – 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.

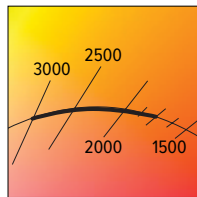
FIXTURE PERFORMANCE DATA

DIST.	CCT AT 100% (FULL OUTPUT)	CCT AT 1% (FULL DIM)	DOWNLIGHT							UPLIGHT			
			WATTAGE	FLUSH LENS		OPEN REFLECTOR		REGRESSED LENS		WATTAGE	FLUSH LENS		
				DELIVERED LUMENS	EFFICACY (lm/W)	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	14.8	830	56
			M	14.8	731	49	500	34	720	49	14.8	832	56
			N	14.8	708	48	516	35	708	48	–	–	–
L12			W	23.3	1263	54	915	39	1273	55	23.3	1438	62
			M	23.3	1267	54	867	37	1248	54	23.3	1442	62
			N	–	–	–	–	–	–	–	–	–	–

MULTIPLIER TABLES

REFLECTOR FINISH	CATALOG NUMBER	CONVERSION FACTOR
SG ⁽¹⁾	0.92	
GD	0.93	
CG	0.96	
PW	0.86	
SPC	1.02	
RG	0.88	

- 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%.
- Wattage is for downlight or uplight components. Add wattages together for selected lumen packages to find total fixture wattage.
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
- Use multiplier tables to calculate additional options.



BEAM ANGLE

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

TRIM OPTIONS

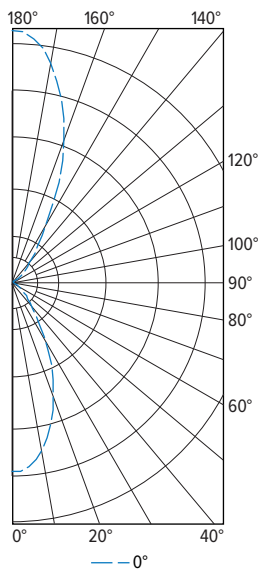
CATALOG NUMBER	CONVERSION FACTOR
AD	0.85
PD	0.85

¹ Distribution will also be affected, consult factory.

REFLECTOR FINISH	CONVERSION FACTOR
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

PHOTOMETRY

4CSDI-13-L12/9DWU/L12/9DWD-WHT-DIM1-UNV-OW/OW-CS-WM Total Luminaire Output: 2005 lumens; 46.6 Watts | Efficacy: 43 lm/W | 95 CRI; 3000K CCT



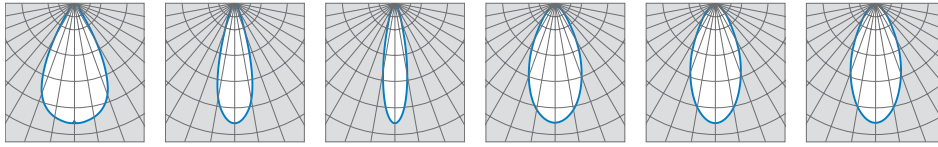
VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
	0°	
0	1153	
5	1126	104
15	897	248
25	560	255
35	254	167
45	117	93
55	42	43
65	1	6
75	0	0
85	0	0
90	0	
95	1	2
105	1	3
115	3	8
125	40	44
135	127	98
145	269	180
155	670	301
165	1151	314
175	1487	137
180	1528	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	607	30
	0 - 40	774	39
	0 - 60	910	45
	0 - 90	917	46
	90 - 120	12	1
	90 - 150	334	17
	90 - 180	1087	54
	0 - 180	2005	100

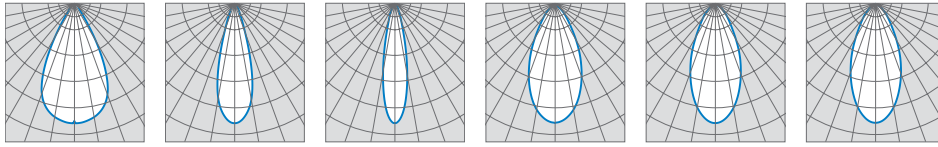


4CSDI dim to **WARM** 4" Compact Direct/Indirect Cylinder – Square

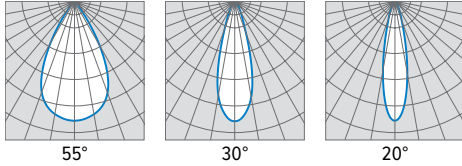
OPEN



FLUSH



REGRESSED

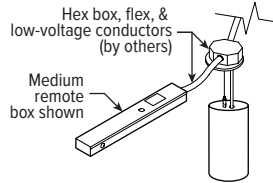


CONTROL DETAILS

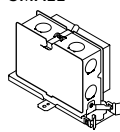
CONTROL	DESCRIPTION	RDB DETAILS BY LUMEN STOP			REMOTE MOUNT KEY	
		L7	L12	w/EM	R I S	RDB Required, Small Box
DIM1	1% dimming driver (0-10V signal to control dimming and CCT) prewired for low voltage applications	R I S	R I S	R I L	R I M	RDB Required, Medium Box
LUT	Lutron Ecosystem enabled	R I M	R I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

REMOTE MOUNT DETAILS

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



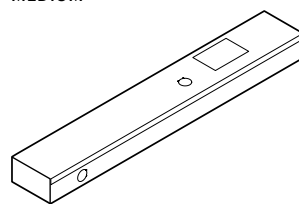
SMALL



Snap-in Junction Box

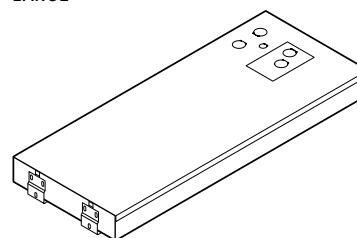
6-1/2" x 3" x 4-1/2"

MEDIUM



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

LARGE



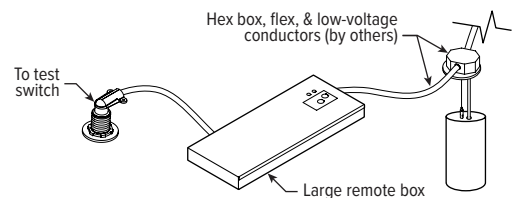
9" x 24" x 2"

EMERGENCY BATTERY OPTIONS

Max remote distance 50', including suspension length. Large remote box provided. EM light defaults to downlight output. Specify CEC in 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]

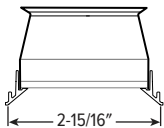
¹ Not available when CEC regulations are required.



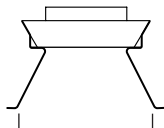
TRIM TYPE DETAILS

DOWNLIGHT

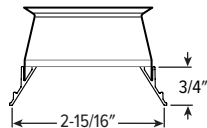
FLUSH



OPEN

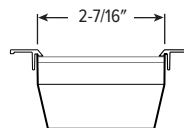


REGRESSED



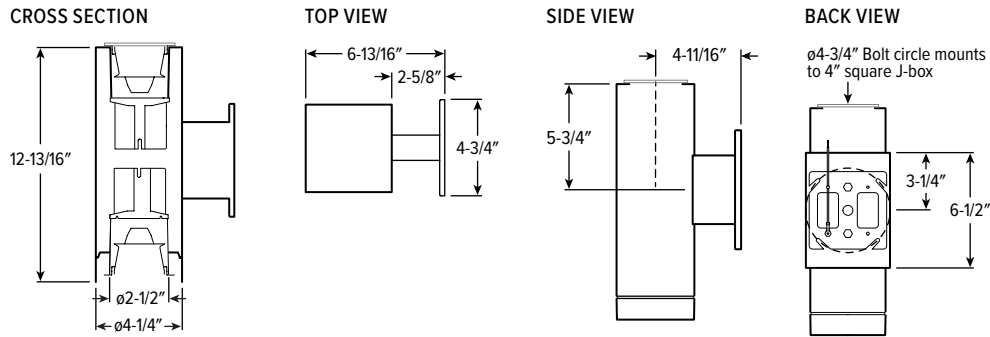
UPLIGHT

FLUSH

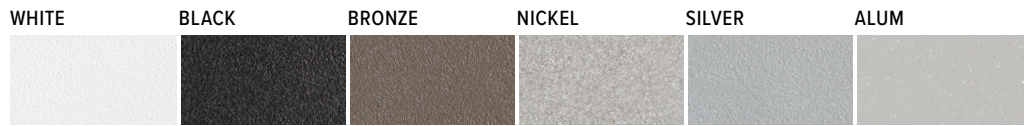


4CSDI dim to WARM 4" Compact Direct/Indirect Cylinder – Square

FIXTURE DETAILS



HOUSING FINISH DETAILS



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

