

PROJECT: _____



HOUSING

SERIES	HEIGHT	LUMEN PACKAGE (Example: L12/9DWU/L7/9DWD)			REMOTE	OPTIONS
4CRDI	13 13"	Specify lumen packages: U for Uplight and D for Downlight			RDB Remote mount control/driver box, galvanized steel	EM/10WRM/RTS Remote mount 10-watt emergency battery with regressed test switch ^[1]
		LUMENS ^[2]	COLOR	U OR D		
		L7 700lm	9DW Dim to warm (95 CRI, 1800K – 3000K)	U Uplight		
		L12 1,200lm		D Downlight		

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)	
BRZ	Textured bronze		
NKL	Textured nickel		
SLV	Textured silver		
WHT	Textured white	LUT Lutron Ecosystem enabled	

TRIM

TRIM TYPE AND DISTRIBUTION		REFLECTOR FINISH ^[4]		TRIM OPTIONS	
(Example Uplight/Downlight: OW/LM)		Downlight Open Trim Types		Downlight Lens Trim Types	
TRIM TYPE	DISTRIBUTION	CS	Clear semi-specular anodize	CS	Clear semi-specular powder coat
		SG	Satin-glow anodize	WH	White texture powder coat
Uplight	<i>See page 2</i>	GD	Gold anodize	BL	Black texture powder coat
O	Open reflector with clear glass shield ^[7]	CG	Champagne gold anodize	BZ	Bronze texture powder coat
	Uplight	PW	Pewter anodize	NK	Nickel texture powder coat
Downlight	W Wide	SPC	Clear specular anodize	SV	Silver texture powder coat
O	Open reflector	RG	Rose gold anodize	AL	Silver sparkle aluminum
F	Open reflector with frosted top diffuser	WH	White texture powder coat		
L	Flush lens	BL	Black texture powder coat		
R	Regressed lens				
	Downlight				
	W Wide				
	M Medium				
	N Narrow ^[8]				

MOUNTING

MOUNTING TYPE ^[9]

WM Wall mount

NOTES

- ¹ 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. See page 3 for EMERGENCY BATTERY DETAILS.
- ² 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
- ³ See page 4 for HOUSING FINISH DETAILS.

- 4 Specified for downlight Trim Type only. See page 4 for REFLECTOR FINISH DETAILS.
5 Not available with O or F Trim Types. Downlight only. W Distribution only.
6 Not available with O or F Trim Types. Downlight only. W Distribution only.
7 CS Reflector Finish standard. Other colors available, consult factory.
8 Not available with L12 lumen package when specified with L or R Trim Type
9 See page 4 for FIXTURE DETAILS.

4CRDI dim to WARM

4" Compact Direct/Indirect 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
- 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 15° and field changeable optics as wide as 70°
- 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
- Made Right Here® in the USA

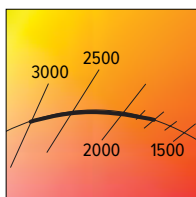
SPECIFICATIONS

- 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. 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 – Wall mount. Indoor applications only. Control, driver, and EM battery installed in remote mount box.
- LISTINGS –
 - cSAsus 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

				DOWNLIGHT						UPLIGHT					
					OPEN REFLECTOR		FLUSH LENS		REGRESSED LENS			OPEN REFLECTOR			
	CCT AT 100% (FULL OUTPUT)	CCT AT 1% (FULL DIM)	DIST.	WATTAGE	DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)	WATTAGE	DELIVERED LUMENS	EFFICACY (lm/W)		
L7	3000K	1800K	W	14.8	715	48	749	51	741	50	14.8	585	40		
			M	14.8	710	48	757	51	725	49	14.8	581	39		
			N	14.8	590	40	764	52	745	50	14.8	482	33		
L12			W	23.3	1239	53	1297	56	1284	55	23.3	1013	43		
			M	23.3	1243	53	1327	57	1269	54	23.3	1016	44		
			N	23.3	941	40	—	—	—	—	23.3	769	33		

- 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%.
- 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 ^[2]			
	O	F	L	R
W	70°		50°	55°
M	40°	Consult Factory	30°	30°
N	15°		20°	20°
S	8°		14°	14°

TRIM OPTIONS	
CATALOG NUMBER	CONVERSION FACTOR
F	0.67
AD	0.85
PD	0.85

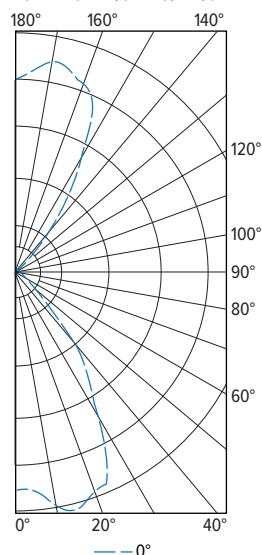
- Distribution will also be affected, consult factory.
- Beam angle based on CS Reflector Finish.

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]	0.89
	BL ^[1]	0.47
	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

4CRDI-13-L12/9DWU/L12/9DWD-WHT-DIM1-UNV-OW/OW-CS-WM Total Luminaire Output: 2257 lumens; 46.6 Watts | Efficacy: 48 lm/W | 95 CRI; 3000K CCT



	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	1006	
	5	1017	98
	15	1044	295
	25	930	419
	35	545	327
	45	75	78
	55	17	17
	65	6	6
	75	1	1
	85	0	0
	90	2	
	95	3	3
	105	6	6
	115	13	13
	125	30	28
	135	76	69
	145	368	226
	155	770	338
	165	880	248
	175	864	84
	180	823	

	ZONE	LUMENS	% FIXTURE
LUMEN SUMMARY	0 - 30	812	36
	0 - 40	1139	51
	0 - 60	1234	55
	0 - 90	1241	55
	90 - 120	23	1
	90 - 150	346	15
	90 - 180	1016	45
	0 - 180	2257	100

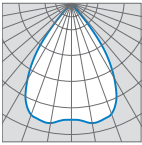
PHOTOMETRY CONTINUED ON NEXT PAGE.



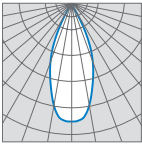
4CRDI dim to **WARM**

4" Compact Direct/Indirect Cylinder – Round

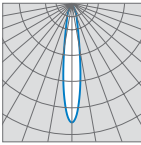
OPEN (O)



70° Wide

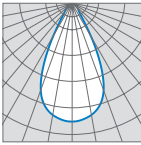


40° Medium

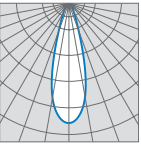


15° Narrow

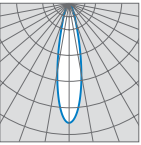
FLUSH (L)



50° Wide

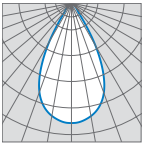


30° Medium

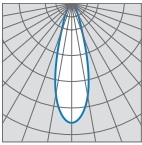


20° Narrow

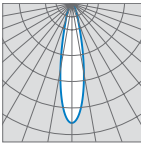
REGRESSED (R)



55° Wide



30° Medium



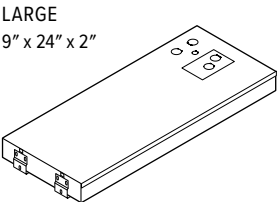
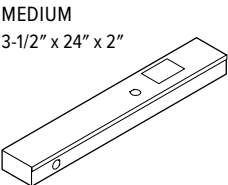
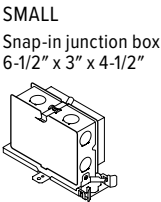
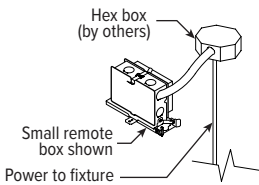
20° Narrow

CONTROL DETAILS

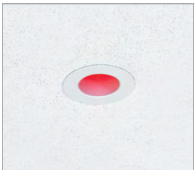
CONTROL	DESCRIPTION	RDB DETAILS BY LUMEN STOP			REMOTE MOUNT KEY	
		L7	L12	w/EM	R S	RDB Required, Small Box
DIM1	1% dimming driver (0-10V signal to control dimming and CCT) prewired for low voltage applications	R S	R S	R L	R M	RDB Required, Medium Box
LUT	Lutron Ecosystem enabled	R M	R M	R L	R L	RDB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

REMOTE MOUNT DETAILS

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

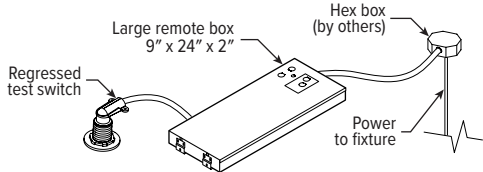


EMERGENCY BATTERY DETAILS



Regressed test switch
ø1-3/4"

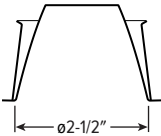
Max remote distance is 50' including suspension length, connection by others.



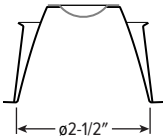
TRIM TYPE DETAILS

DOWNLIGHT

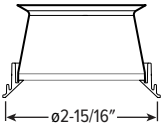
OPEN



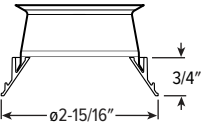
OPEN TOP DIFFUSER



FLUSH

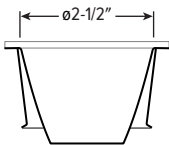


REGRESSED



UPLIGHT

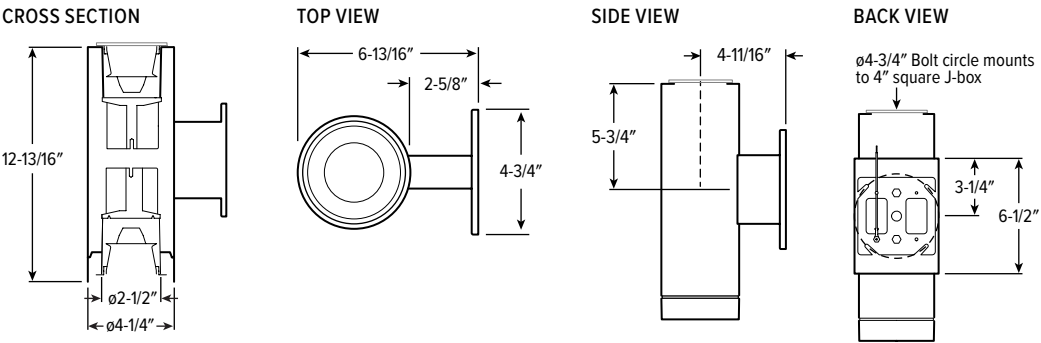
OPEN



4CRDI

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

FIXTURE DETAILS



HOUSING FINISH DETAILS



REFLECTOR FINISH DETAILS

