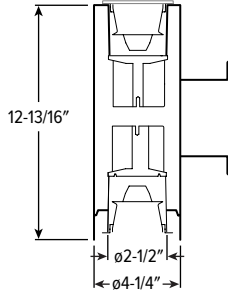


4CRDI dim to **WARM**

4" Compact Direct/Indirect Cylinder – Round



CATALOG #: _____

TYPE: _____

PROJECT: _____



ORDERING EXAMPLE: 4CRDI - 13 - L12/9DWU/L12/9DWD - RDB - OPTIONS - WHT - DIM1 - UNV - OW/LM - CS - TRIM OPTIONS - WM
 HOUSING TRIM MOUNT

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 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 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

TRIM

TRIM TYPE AND DISTRIBUTION ^[4] (Example Uplight/Downlight: OW/LM)	DISTRIBUTION	REFLECTOR FINISH ^[5]	TRIM OPTIONS
TRIM TYPE		Downlight Open Trim Types	Downlight Lens Trim Types
Uplight	Uplight	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 WH White texture powder coat BL Black texture powder coat	AD Diffuse acrylic lens ^[6] PD Diffuse 1/8" polycarbonate lens ^[7] TD Diffuse polycarbonate lens media at top of open reflector ^[8]
Downlight	Downlight		
O Open reflector with clear glass shield ^[9] L Flush lens R Regressed lens	W 70° Wide M 40° Medium N 15° Narrow ^[10]		
	W 70° Wide M 40° Medium N 15° Narrow ^[11]		

MOUNTING

MOUNTING TYPE ^[12]

WM Wall mount

NOTES

- Painted driver box available, specify RDB/BLK or RDB/WHT.
- 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
- See page 4 for HOUSING FINISH DETAILS.
- Beam angle based on O Trim Type and CS 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.
- O Trim Type only. Downlight only.
- CS Reflector Finish standard. Other colors available, consult factory.
- O Trim Type only.
- Not available with L12 lumen package when specified with L or R Trim Type
- 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

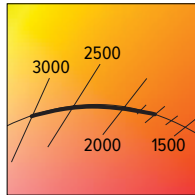
SPECIFICATIONS

- 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 –
 - 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)	DIST.	DOWNLIGHT						UPLIGHT				
				WATTAGE	OPEN REFLECTOR		FLUSH LENS		REGRESSED LENS		WATTAGE	OPEN REFLECTOR		
					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	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		
	OPEN	FLUSH	REGRESSED
W	70°	50°	55°
M	40°	30°	30°
N	15°	20°	20°

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

¹ Distribution will also be affected, consult factory.

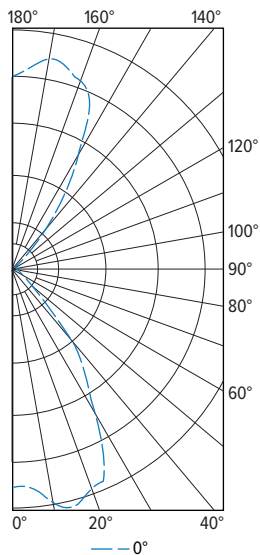
MULTIPLIER TABLES

	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
	WH ⁽¹⁾	0.89
BL ⁽¹⁾	0.47	

	REFLECTOR FINISH		
	CATALOG NUMBER	CONVERSION FACTOR	
	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	

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°	
CANDLEPOWER DISTRIBUTION	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		

	LUMEN SUMMARY		
	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

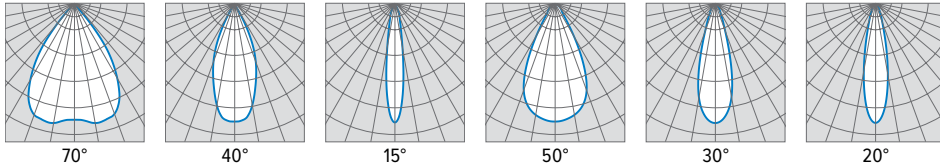
PHOTOMETRY CONTINUED ON NEXT PAGE.



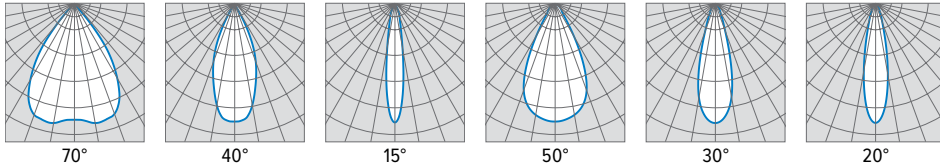
4CRDI dim to **WARM**

4" Compact Direct/Indirect Cylinder – Round

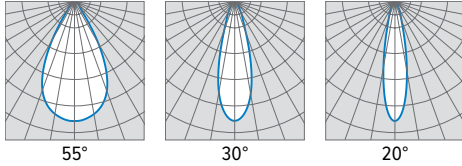
OPEN



FLUSH



REGRESSED

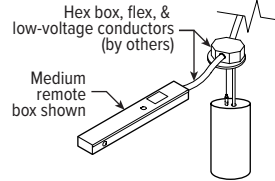


CONTROL DETAILS

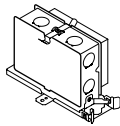
CONTROL	DESCRIPTION	RDB DETAILS BY LUMEN STOP			REMOTE MOUNT KEY	
		L7	L12	w/EM	R S	RDB Required, Small Box
DIM1	1% dimming driver (0-10V signal to control dimming and CCT) prewired for low voltage applications	R S	R S	R L	R M	RDB Required, Medium Box
LUT	Lutron Ecosystem enabled	R M	R M	R L	R L	RDB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

REMOTE MOUNT DETAILS

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



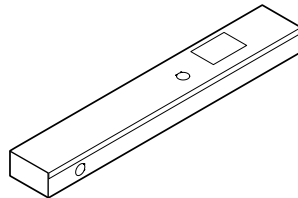
SMALL



Snap-in Junction Box

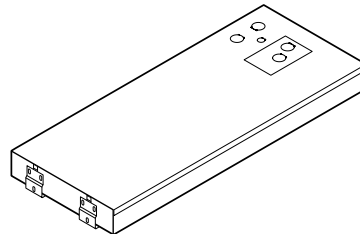
6-1/2" x 3" x 4-1/2"

MEDIUM



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

LARGE



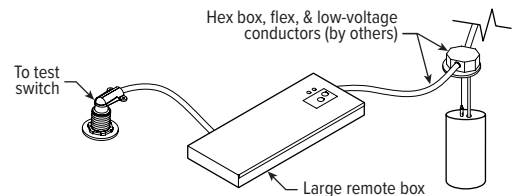
9" x 24" x 2"

EMERGENCY BATTERY OPTIONS

Max remote distance 50', including suspension length. Large remote box provided. 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]

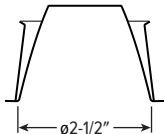
¹ Not available when CEC regulations are required.



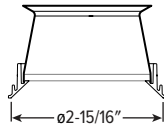
TRIM TYPE DETAILS

DOWNLIGHT

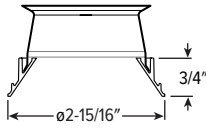
OPEN



FLUSH

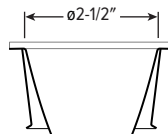


REGRESSED



UPLIGHT

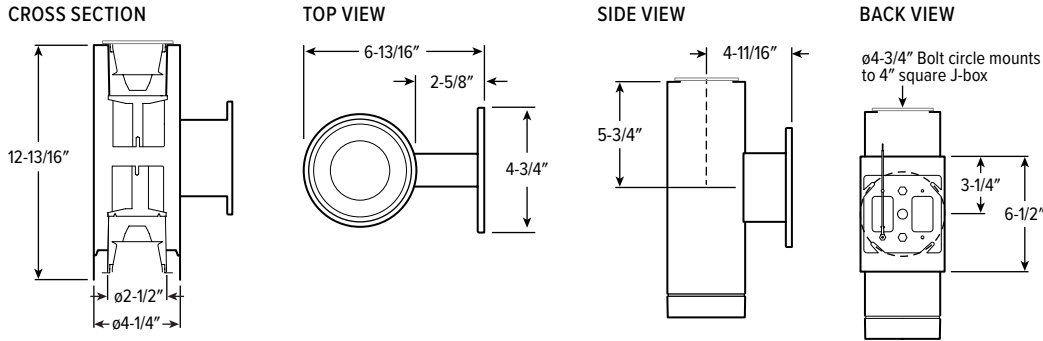
OPEN



4CRDI dim to WARM

4" Compact Direct/Indirect Cylinder – Round

FIXTURE DETAILS



HOUSING FINISH DETAILS



REFLECTOR FINISH DETAILS

