

CATALOG #:			
TYPE:	 	 	





ORDERING EXAMPLE: 4CRDI - 13 - L12/9DWU/L12/9DWD - RDB - OPTIONS - WHT - DIM1 - UNV 1-1 OW/LM - CS - TRIM OPTIONS 1-1 WM - HOUSING - TRIM MOUNT

VOLTAGE

UNV 120-277V

HOUSING

SERIES HEIGHT LUMEN PACKAGE (Example: L12/9DWU/L7/9DWD) **REMOTE** 4CRDI **13** 13" Specify lumen packages: U for Uplight and D for Downlight

LUMENS [3] COLOR U OR D 700lm 9DW Dim to warm (95 CRI, **U** Uplight **L12** 1,200lm 1800K - 3000K)**D** Downlight **OPTIONS**

EM/10WRM/RTS Remote mount 10-watt emergency battery with regressed test switch [2] RDB Remote mount control/driver box, galvanized steel [1]

PROJECT:

HOUSING FINISH [4]

CONTROL

ALUM Silver sparkle aluminum See page 3 for CONTROL DETAILS. Textured black DIM1 1% dimming driver (0-10V signal Textured bronze to control dimming and CCT) Textured nickel LUT Lutron Ecosystem enabled

Textured silver

RR7

TRIM TYPE AND DISTRIBUTION

Textured white

(Example Uplight/Downlight: OW/LM)

TRIM TYPE

Uplight O Open reflector with clear glass shield [8]

Downlight

O Open reflector Open reflector with frosted top diffuser

Flush lens R Regressed lens

DISTRIBUTION

See page 2 for BEAM ANGLE.

Uplight

W Wide M Medium N Narrow

Downlight W Wide

M Medium N Narrow [9]

REFLECTOR FINISH [5]

Downlight Open Trim Types

Clear semi-specular anodize

Satin-glow anodize

GD Gold anodize Champagne gold anodize CG

PW Pewter anodize SPC Clear specular anodize RG Rose gold anodize

White texture powder coat Black texture powder coat

Downlight Lens Trim Types

Clear semi-specular powder coat

White texture powder coat Black texture powder coat Bronze texture powder coat Nickel texture powder coat

Silver texture powder coat Silver sparkle aluminum

TRIM OPTIONS

AD Diffuse acrylic lens [6]

PD Diffuse 1/8" polycarbonate lens [7]

MOUNTING

MOUNTING TYPE [10]

WM Wall mount

NOTES

- Painted driver box available, specify RDB/BLK or RDB/WHT.
- 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 BATTÉRY DETAILS.
- 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.
- Specified for downlight Trim Type only. See page 4 for REFLECTOR FINISH DETAILS. Not available with 0 or F Trim Types. Downlight only. W Distribution only. Not available with 0 or F Trim Types. Downlight only. W Distribution only.

- CS Reflector Finish standard. Other colors available, consult factory. Not available with L12 lumen package when specified with L or R Trim Type
- See page 4 for FIXTURE DETAILS.

FEATURES

- Engineered to deliver great performance in a sleek, space-saving design
- Mimic the comfortable, welcoming glow of incandescent with warmdimming technology
- Smoothly accent walls and eliminate dark ceilings with direct and indirect
- 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

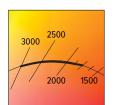
SPECIFICATIONS

- 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
 - 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
- WARRANTY 5-year limited warranty, see hew.com/warranty

FIXTURE PERFORMANCE DATA

					DOWNLIGHT						UPLIGHT		
					OPEN REI	FLECTOR	FLUSH	LENS	REGRESS	ED LENS		OPEN REI	FLECTOR
	CCT AT 100% (FULL OUTPUT)	CCT AT 1% (FULL DIM)	DIST.	WATTAGE	DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (Im/W)	DELIVERED LUMENS	EFFICACY (Im/W)	WATTAGE	DELIVERED LUMENS	EFFICACY (lm/W)
			W	14.8	715	48	749	51	741	50	14.8	585	40
7			М	14.8	710	48	757	51	725	49	14.8	581	39
	3000K	1800K	N	14.8	590	40	764	52	745	50	14.8	482	33
		IOUUK	W	23.3	1239	53	1297	56	1284	55	23.3	1013	43
12			М	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



BEAM ANGLE

		TRIM TYPE [2]					
	0	F	L	R			
W	70°		50°	55°			
М	40°	Consult	30°	30°			
N	15°	Factory	20°	20°			
S	8°		14°	14°			

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

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

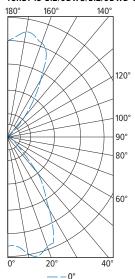
MIII TIPI IFR TARI FS

MOLITI LILIK TABLES					
	REFLECTOR FINISH				
	CATALOG NUMBER	CONVERSION FACTOR			
	CS	1.00			
	SG [1]	0.92			
	GD	0.93			
Σ	CG	0.96			
O TRIM	PW	0.86			
0	SPC	1.02			
	RG	0.88			
	WH [1]	0.89			
	BL [1]	0.47			

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
	VERTICAL ANGLE	0°	ZUNAL LUMENS
	0	1006	
	5	1017	98
	15	1044	295
	25	930	419
	35	545	327
8	45	75	78
5	55	17	17
몵	65	6	6
S	75	1	1
2	85	0	0
l S	90	2	
CANDLEPOWER DISTRIBUTION	95	3	3
ᅙ	105	6	6
S	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
≿	0 - 30	812	36
Ā	0 - 40	1139	51
≅	0 - 60	1234	55
S	0 - 90	1241	55
LUMEN SUMMARY	90 - 120	23	1
=	90 - 150	346	15
	90 - 180	1016	45
	0 - 180	2257	100

PHOTOMETRY CONTINUED ON NEXT PAGE.

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

OPEN (O)





FLUSH (L)





REGRESSED (R)







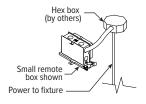
CONTROL DETAILS

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	RIS	RIS	RIL
LUT	Lutron Ecosystem enabled	RIM	RIM	RIL

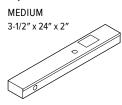
	REMOT	E MOUNT KEY
ĺ	RIS	RDB Required, Small Box
	RIM	RDB Required, Medium Box
	RIL	RDB Required, Large Box

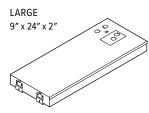
REMOTE MOUNT DETAILS

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







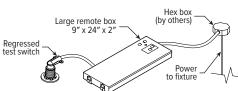


EMERGENCY BATTERY DETAILS





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



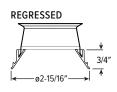
TRIM TYPE DETAILS

DOWNLIGHT





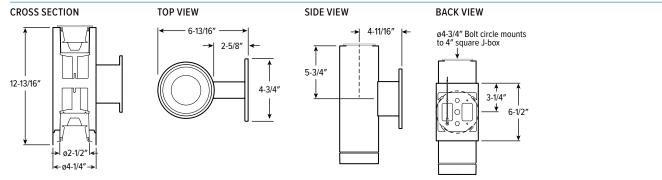








FIXTURE DETAILS



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

