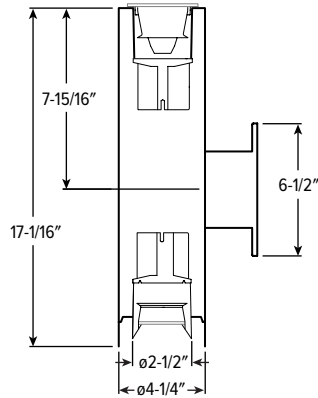


# 4CRDI dim to **WARM** 4" Direct/Indirect Cylinder – Round



CATALOG #: \_\_\_\_\_

TYPE: \_\_\_\_\_

PROJECT: \_\_\_\_\_

## FEATURES

- Slim profile for unobtrusive illumination
- Smoothly accent walls and eliminate dark ceilings with direct and indirect lighting
- Create a comfortable, welcoming ambiance using warm dimming technology to provide intimate lighting
- Parallel the performance and style of the Williams downlight collection
- Precision illumination with 15° narrow to 70° wide optics
- Complement the architectural elements of any space with a multitude of housing and trim finishes

## 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, tempered glass 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. Max weight 5-1/2 lbs.
- **LISTINGS** –
  - cCSAus conforms to UL STD 1598 and UL STD 8750. Certified to CAN/CSA STD C22.2 No. 250.0. Suitable for damp locations.
- **WARRANTY** – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty).

**ORDERING EXAMPLE:** 4CRDI - L12/9DWU/L12/9DWD - WHT - DIM - UNV - LW/LM - CS - TRIM OPTIONS - WM MOUNT.

## HOUSING

SERIES	LUMEN PACKAGE (Example: L12/9DWU/L7/9DWD)	HOUSING FINISH <sup>[1]</sup>	CONTROL	VOLTAGE
4CRDI	Specify lumen packages: <b>U</b> for Uplight and <b>D</b> for Downlight	<b>ALUM</b> Silver sparkle aluminum	<b>DIM</b> Dimming driver, 0-10V	<b>UNV</b> 120-277V
	<b>LUMENS</b> <sup>[2]</sup> <b>COLOR</b> <b>U OR D</b>	<b>BLK</b> Textured black	<b>LUT</b> Lutron Ecosystem enabled	
	<b>L7</b> 700lm <b>9DW</b> Dim to warm (95 CRI, 1800K – 3000K) <b>U</b> Uplight	<b>BRZ</b> Textured bronze		
	<b>L12</b> 1,200lm <b>D</b> Downlight	<b>NKL</b> Textured nickel		
		<b>SLV</b> Textured silver		
		<b>WHT</b> Textured white		

## TRIM

### TRIM TYPE AND DISTRIBUTION <sup>[3]</sup>

(Example Uplight/Downlight: LW/LM)

TRIM TYPE	DISTRIBUTION
<b>Uplight</b>	<b>Uplight</b>
<b>O</b> Open reflector with clear glass shield <sup>[8]</sup>	<b>W</b> 70° Wide
<b>L</b> Flush lens <sup>[9]</sup>	<b>M</b> 40° Medium
	<b>N</b> 15° Narrow <sup>[10]</sup>
<b>Downlight</b>	<b>Downlight</b>
<b>O</b> Open reflector	<b>W</b> 70° Wide
<b>L</b> Flush lens	<b>M</b> 40° Medium
<b>R</b> Regressed lens	<b>N</b> 15° Narrow <sup>[11]</sup>

### REFLECTOR FINISH <sup>[4]</sup>

REFLECTOR FINISH	DESCRIPTION
<b>CS</b>	Clear semi-specular anodize
<b>SG</b>	Satin-glow anodize
<b>GD</b>	Gold anodize
<b>CG</b>	Champagne gold anodize
<b>PW</b>	Pewter anodize
<b>SPC</b>	Clear specular anodize
<b>RG</b>	Rose gold anodize
<b>WH</b>	White texture powder coat
<b>BL</b>	Black texture powder coat
<b>Downlight Lens Trim Types</b>	
<b>CS</b>	Clear semi-specular powder coat
<b>WH</b>	White texture powder coat
<b>BL</b>	Black texture powder coat
<b>BZ</b>	Bronze texture powder coat
<b>NK</b>	Nickel texture powder coat
<b>SV</b>	Silver texture powder coat
<b>AL</b>	Silver sparkle aluminum

### TRIM OPTIONS

TRIM OPTION	DESCRIPTION
<b>AD</b>	Diffuse acrylic lens <sup>[5]</sup>
<b>PD</b>	Diffuse 1/8"
	polycarbonate lens <sup>[6]</sup>
<b>TD</b>	Diffuse polycarbonate lens media at top of open reflector <sup>[7]</sup>

## MOUNTING

### MOUNTING TYPE <sup>[12]</sup>

**WM** Wall mount

## NOTES

- See page 4 for HOUSING FINISH DETAILS.
- Lumen output based on O trim type, W distribution and CS finish, 3000K/95CRI. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA
- 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.
- O Trim Type only. Downlight only.
- CS Reflector Finish standard. Other colors available, consult factory.
- Trim finish matches Housing Finish. 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 3 for MOUNTING DETAILS.



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

## 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		FLUSH LENS	
					DELIVERED LUMENS	EFFICACY (lm/W)	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	785	53
			M	14.8	710	48	757	51	725	49	14.8	581	39	793	54
			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	1359	58
			M	23.3	1243	53	1327	57	1269	54	23.3	1016	44	1390	60
			N	23.3	941	40	–	–	–	–	23.3	769	33	–	–

### MULTIPLIER TABLES

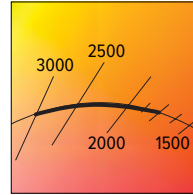
	REFLECTOR FINISH	
	CATALOG NUMBER	CONVERSION FACTOR
O TRIM	CS	1.00
	SG <sup>(1)</sup>	0.92
	GD	0.93
	CG	0.96
	PW	0.86
	SPC	1.02
	RG	0.88
	WH <sup>(1)</sup>	0.89
	BL <sup>(1)</sup>	0.47

	REFLECTOR FINISH	
	CATALOG NUMBER	CONVERSION FACTOR
R TRIM	WH	1.00
	CS <sup>(1)</sup>	0.98
	BL <sup>(1)</sup>	0.79
	BZ <sup>(1)</sup>	0.76
	NK <sup>(1)</sup>	0.81
	SV <sup>(1)</sup>	0.81
	AL <sup>(1)</sup>	0.86

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

### BEAM ANGLE

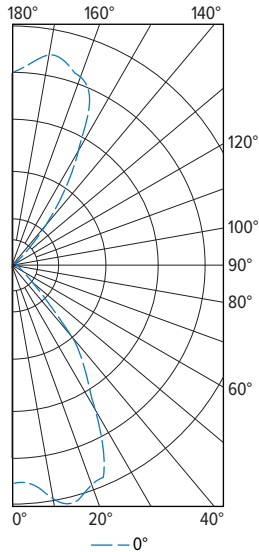
	TRIM TYPE		
	OPEN	FLUSH	REGRESSED
W	70°	50°	55°
M	40°	30°	30°
N	15°	20°	20°



- Distribution will also be affected, consult factory.
- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Wattage shown is based on 120V input.
- Results based on 3000K/95CRI and CS (O Trim Type) or WH (L and R Trim Types) Reflector Finish. Actual lumens may vary +/-5%.
- Wattage is for downlight or uplight components. Add wattages together for selected lumen packages to find total fixture wattage.
- Use multiplier tables to calculate additional options.

### PHOTOMETRY

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



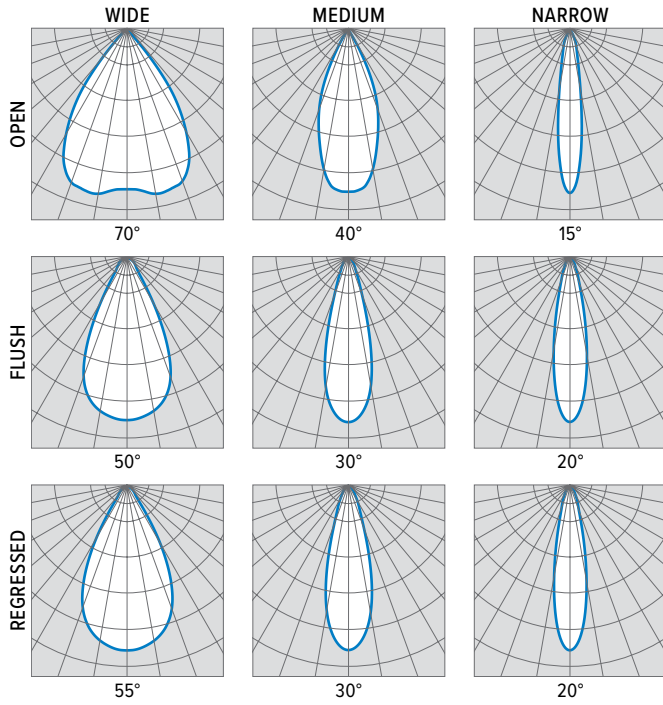
	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
CANDLEPOWER DISTRIBUTION	0	1006	
	5	1017	98
	15	1044	295
	25	930	419
	35	545	327
	45	75	78
	55	17	17
	65	6	6
	75	1	1
	85	0	0
	90	2	
	95	3	3
	105	6	6
	115	13	13
	125	30	28
	135	76	69
	145	368	226
	155	770	338
165	880	248	
175	864	84	
180	823		

	ZONE	LUMENS	% FIXTURE
	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



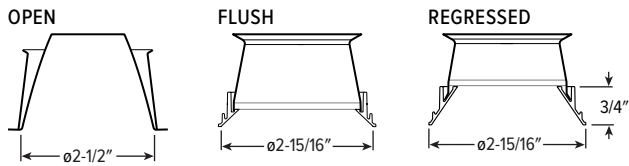
# 4CRDI dim to WARM

## 4" Direct/Indirect Cylinder – Round

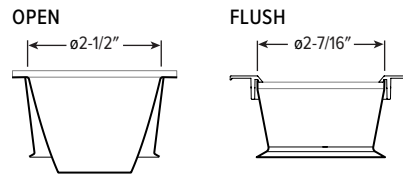


### TRIM TYPE DETAILS

#### DOWNLIGHT

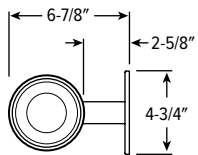


#### UPLIGHT



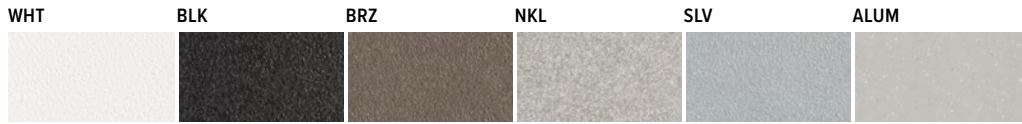
### MOUNTING DETAILS

Mounts to 4" square J-box



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

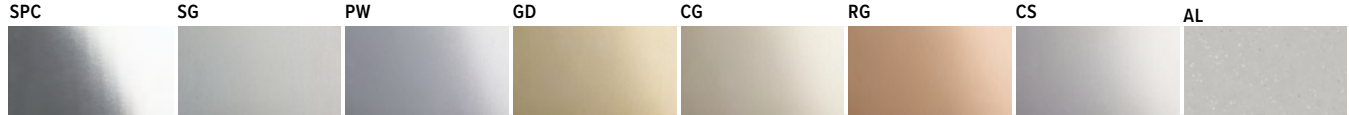
## HOUSING FINISH DETAILS



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

### SMOOTH FINISH



### TEXTURED FINISH

