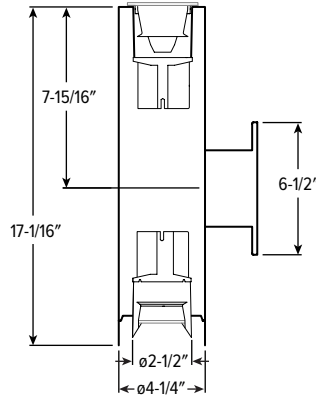


# 4CRDI PoE | tunable **WHITE** 4" Direct/Indirect Cylinder – Round



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

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

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

## FEATURES

- Create scalable, highly functioning smart buildings with Platformatics Power over Ethernet controls
- Support human-centric design with adaptive, individualized lighting using tunable white light
- Slim profile for unobtrusive illumination
- Smoothly accent walls and eliminate dark ceilings with direct and indirect lighting

## 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 node. Reported L70>55,000 hours. Reported L90>49,000 hours. Estimated L70 = 179,000 hours. Low-voltage DC fixture, to be fed by Class 2 power supply. Tunable White products use LEDs of multiple CCTs and may produce a perceptibly different shade of white from single-CCT products at the same CCT. All CCTs are within 3 MacAdam ellipses.
- **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 dry and damp locations.
- **WARRANTY** – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty).

## SYSTEM REQUIREMENTS

- PoE-ready luminaires are connected to building power systems through network integration and require other components for complete PoE lighting system
- For additional PoE info, see [hew.com/platformatics](http://hew.com/platformatics)
- Consult factory for design support



ORDERING EXAMPLE: **4CRDI - P12/835U/P12/835D - WHT - POE PR** - **OW/LM - CS - TRIM OPTIONS** - **WM**  
 HOUSING TRIM MOUNT.

## HOUSING

SERIES	LUMEN PACKAGE (Example: P12/835U/P9/835D)	HOUSING FINISH <sup>[1]</sup>	CONTROL <sup>[2]</sup>
4CRDI	Specify lumen packages: <b>U</b> for Uplight and <b>D</b> for Downlight	<b>ALUM</b> Silver sparkle aluminum	<b>POE PR</b> Power over Ethernet, Platformatics-ready
	<b>LUMENS <sup>[3]</sup></b> <b>CRI</b> <b>CCT</b> <b>U OR D</b>	<b>BLK</b> Textured black	
	<b>P5</b> 500lm <b>8 80 <sup>[4]</sup></b> <b>27</b> 2700K <b>U</b> Uplight	<b>BRZ</b> Textured bronze	
	<b>P7</b> 700lm <b>9 90 <sup>[5]</sup></b> <b>30</b> 3000K <b>D</b> Downlight	<b>NKL</b> Textured nickel	
	<b>P9</b> 900lm <b>35</b> 3500K	<b>SLV</b> Textured silver	
	<b>P12</b> 1,200lm <b>40</b> 4000K	<b>WHT</b> Textured white	
	<b>P15</b> 1,500lm <b>50</b> 5000K		
	<b>P20</b> 2,000lm <b>TW</b> Tunable white (90 CRI, 2700K-5000K) <sup>[6]</sup>		

## TRIM

**TRIM TYPE AND DISTRIBUTION <sup>[7]</sup>**  
(Example Uplight/Downlight: **OW/LM**)

TRIM TYPE	DISTRIBUTION
<b>Uplight</b>	<b>Uplight</b>
<b>O</b> Open reflector with clear glass shield <sup>[12]</sup>	<b>W</b> 70° Wide
	<b>M</b> 40° Medium
	<b>N</b> 15° Narrow <sup>[13]</sup>
<b>Downlight</b>	<b>S</b> 8° Narrow spot <sup>[14]</sup>
<b>O</b> Open reflector	<b>Downlight</b>
<b>L</b> Flush lens	<b>W</b> 70° Wide
<b>R</b> Regressed lens	<b>M</b> 40° Medium
	<b>N</b> 15° Narrow
	<b>S</b> 8° Narrow spot <sup>[15]</sup>

**REFLECTOR FINISH <sup>[8]</sup>**

Downlight Open Trim Types
<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

**TRIM OPTIONS**

<b>AD</b> Diffuse acrylic lens <sup>[9]</sup>
<b>PD</b> Diffuse 1/8" polycarbonate lens <sup>[10]</sup>
<b>TD</b> Diffuse polycarbonate lens media at top of open reflector <sup>[11]</sup>

**Downlight Lens Trim Types**

<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

## MOUNTING

**MOUNTING TYPE <sup>[16]</sup>**

**WM** Wall mount

## NOTES

- See page 4 for HOUSING FINISH DETAILS.
- See page 4 for NODE CONNECTION DETAILS. For additional PoE info, see [hew.com/platformatics](http://hew.com/platformatics).
- Lumen output based on O trim type, W distribution and CS finish, 3500K/80 CRI for single CCT and 4000K/90 CRI for TW. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA.
- Not available with Tunable White.
- Extended lead times may apply for single CCT. Consult factory for availability.
- Not available with S Distribution or P20 lumen package.
- 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.
- O Trim Type only. Not available with P20 lumen package, Tunable White, or 950 CRI/CCT.
- Not available with P20 lumen package, Tunable White, or 950 CRI/CCT.
- See page 4 for MOUNTING DETAILS.



# 4CRDI PoE | tunable WHITE

## 4" Direct/Indirect Cylinder – Round

### FIXTURE PERFORMANCE DATA

#### STATIC WHITE

DIST.	WATTAGE	DOWNLIGHT						UPLIGHT			
		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)	
P5	W	4.2	516	123	540	129	535	127	4.2	422	100
	M	4.2	499	119	532	127	509	121	4.2	408	97
	N	4.2	407	97	528	126	515	123	4.2	333	79
	S	5.4	452	84	583	108	562	104	5.4	370	69
P7	W	5.9	706	120	739	125	732	124	5.9	577	98
	M	5.9	682	116	728	123	697	118	5.9	558	95
	N	5.9	557	94	722	122	704	119	5.9	455	77
	S	7.6	587	77	813	107	784	103	7.6	480	63
P9	W	7.9	910	115	953	121	943	119	7.9	744	94
	M	7.9	879	111	938	119	898	114	7.9	719	91
	N	7.9	718	91	931	118	908	115	7.9	587	74
	S	11.1	807	73	1041	94	1004	90	11.1	660	59
P12	W	11.5	1267	110	1327	115	1313	114	11.5	1036	90
	M	11.5	1224	106	1307	114	1250	109	11.5	1001	87
	N	11.5	1000	87	1296	113	1264	110	11.5	818	71
	S	15.3	1000	65	1382	90	1332	87	15.3	1084	71
P15	W	14.7	1571	107	1645	112	1628	111	14.7	1285	87
	M	14.7	1518	103	1620	110	1550	105	14.7	1241	84
	N	14.7	1240	84	1607	109	1567	107	14.7	1014	69
	S	22.7	1325	58	1711	75	1650	73	22.7	1084	48
P20	W	20.6	2063	100	2160	105	2138	104	20.6	1687	82
	M	20.6	1993	97	2127	103	2035	99	20.6	1630	79
	N	20.6	1629	79	2110	102	2058	100	20.6	1332	65
	S	-	-	-	-	-	-	-	-	-	-

#### TUNABLE WHITE

DIST.	WATTAGE	DOWNLIGHT						UPLIGHT			
		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)	
P5	W	7.3	570	78	597	82	591	81	7.3	466	64
	M	7.3	575	79	614	84	587	80	7.3	470	64
	N	7.3	440	60	571	78	557	76	7.3	360	49
	S	-	-	-	-	-	-	-	-	-	-
P7	W	10.1	761	75	797	79	789	78	10.1	622	62
	M	10.1	768	76	819	81	784	78	10.1	628	62
	N	10.1	588	58	762	75	743	74	10.1	481	48
	S	-	-	-	-	-	-	-	-	-	-
P9	W	14.6	1062	73	1112	76	1101	75	14.6	868	59
	M	14.6	1071	73	1144	78	1094	75	14.6	876	60
	N	14.6	821	56	1063	73	1037	71	14.6	671	46
	S	-	-	-	-	-	-	-	-	-	-
P12	W	19.3	1306	68	1368	71	1353	70	19.3	1068	55
	M	19.3	1318	68	1406	73	1346	70	19.3	1075	56
	N	19.3	1009	52	1308	68	1275	66	19.3	825	43
	S	-	-	-	-	-	-	-	-	-	-
P15	W	23.7	1462	62	1531	65	1515	64	23.7	1196	50
	M	23.7	1475	62	1574	66	1506	64	23.7	1206	51
	N	23.7	1130	48	-	-	-	-	23.7	924	39
	S	-	-	-	-	-	-	-	-	-	-
P20	W	-	-	-	-	-	-	-	-	-	-
	M	-	-	-	-	-	-	-	-	-	-
	N	-	-	-	-	-	-	-	-	-	-
	S	-	-	-	-	-	-	-	-	-	-

#### MULTIPLIER TABLES

CCT	LUMENS	
	STANDARD	TUNABLE WHITE
	2700K	0.92
3000K	0.98	-
3500K	1.00	-
4000K	1.01	-
5000K	1.02	-

CCT	LUMENS		
	STANDARD	TUNABLE WHITE	
	2700K	0.76	0.87
	3000K	0.79	0.96
	3500K	0.82	1.02
4000K	0.84	1.00	
5000K	0.88	1.02	

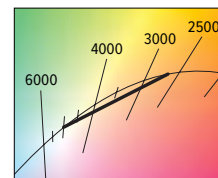
REFLECTOR FINISH	CATALOG NUMBER	CONVERSION FACTOR
	CS	
SG <sup>(1)</sup>		0.92
GD		0.93
CG		0.96
PW		0.86
SPC		1.02
RG		0.88
WH <sup>(1)</sup>		0.89
BL <sup>(1)</sup>		0.47

REFLECTOR FINISH	CATALOG NUMBER	CONVERSION FACTOR	
	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	

REFLECTOR FINISH	CATALOG NUMBER	CONVERSION FACTOR
	AD	
PD		0.85
TD		0.67

#### BEAM ANGLE

TRIM TYPE	OPEN	FLUSH	REGRESSED
	W	70°	50°
M	40°	30°	30°
N	15°	20°	20°
S	8°	14°	14°



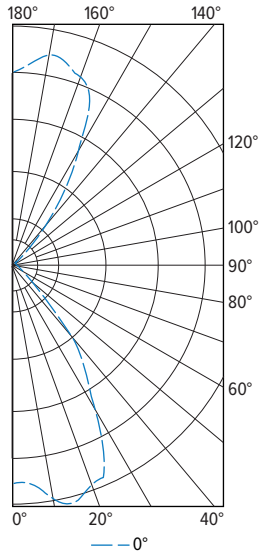
- 1 Distribution will also be affected, consult factory.
- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Standard results based on 3500K/80 CRI and CS (O Trim Type) or WH (L and R Trim Types) Reflector Finish. Actual lumens may vary +/-5%
- Tunable white results based on 4000K/90CRI 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.
- Wattage and efficacy data shown do not account for node losses.
- Use multiplier tables to calculate additional options.



# 4CRDI PoE | tunable WHITE 4" Direct/Indirect Cylinder – Round

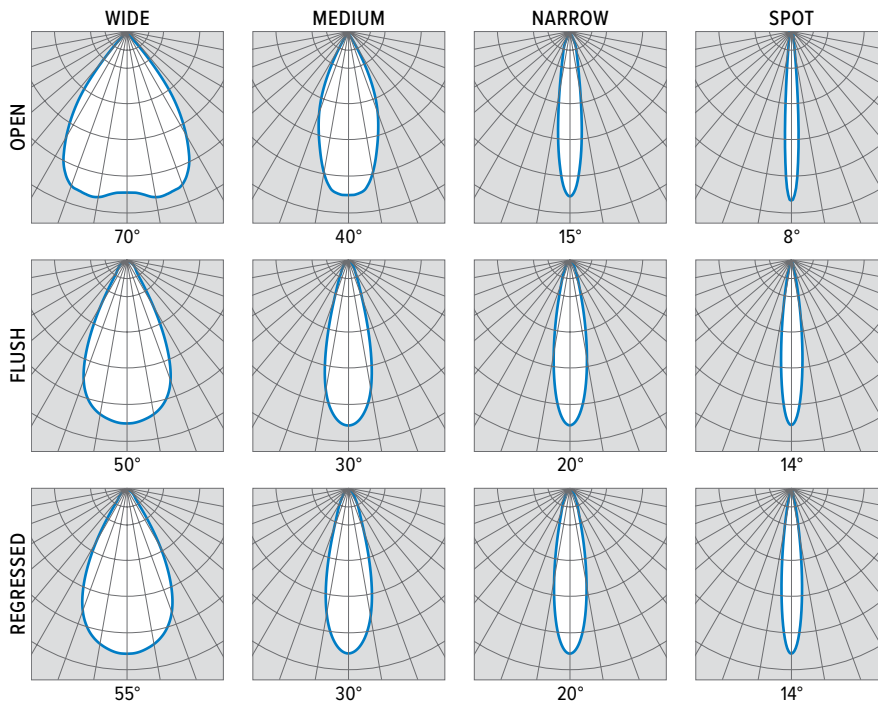
## PHOTOMETRY

4CRDI-P12/835U/P12/835D-WHT-POE PR-OW/OW-CS-WM Total Luminaire Output: 2306 lumens; 23 Watts | Efficacy: 100 lm/W | 80 CRI; 3500K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
	0°	
0	1028	
5	1039	100
15	1066	301
25	950	428
35	556	334
45	77	79
55	18	17
65	6	6
75	1	1
85	0	0
90	2	
95	3	3
105	6	6
115	13	13
125	31	28
135	78	71
145	376	231
155	787	345
165	898	253
175	882	86
180	840	

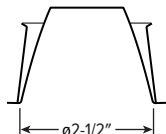
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
		0 - 30	830
	0 - 40	1164	51
	0 - 60	1261	55
	0 - 90	1269	55
	90 - 120	23	1
	90 - 150	353	15
	90 - 180	1037	45
	0 - 180	2306	100



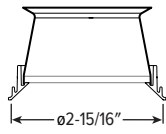
## TRIM TYPE DETAILS

### DOWNLIGHT

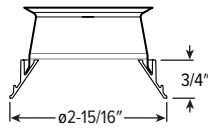
#### OPEN



#### FLUSH

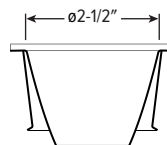


#### REGRESSED



### UPLIGHT

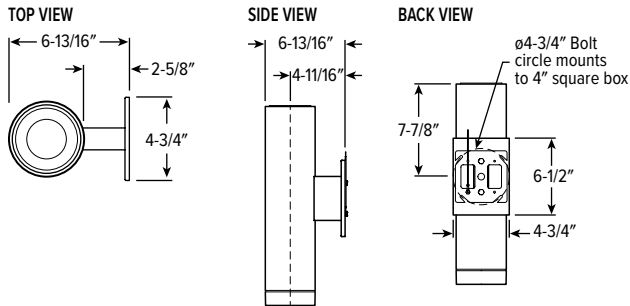
#### OPEN



# 4CRDI PoE | tunable **WHITE** 4" Direct/Indirect Cylinder – Round

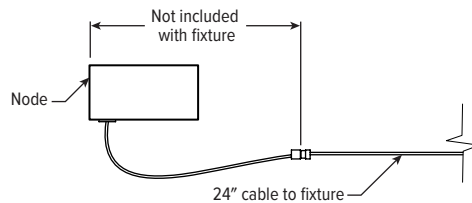
## MOUNTING DETAILS

Mounts to 4" square J-box

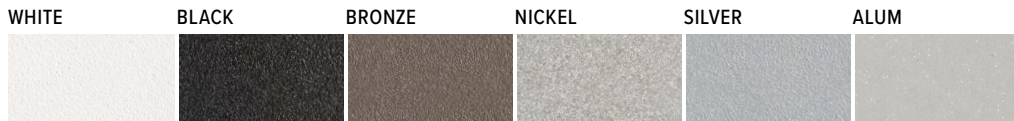


## NODE CONNECTION DETAILS

Includes 24" cable with 4-position mating connector for Platformatics POE-LN2 node. See node spec sheet for details: [platformatics.com/product/poe-ln2](http://platformatics.com/product/poe-ln2)



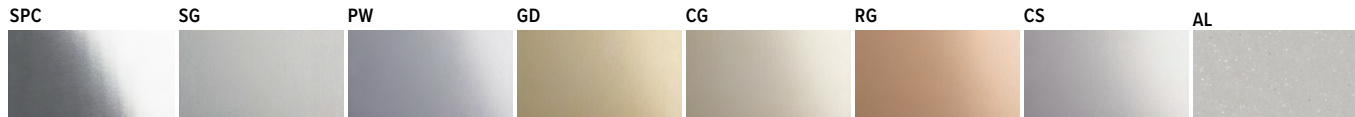
## HOUSING FINISH DETAILS



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

