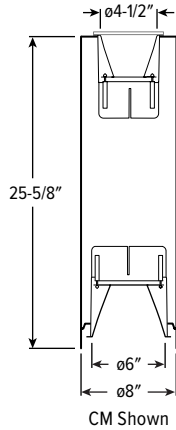


# 8CRDI PoE | tunable WHITE

## 8" Direct/Indirect Cylinder – Round



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

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

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

### FEATURES

#### TrimLock®

- Create scalable, highly functioning smart buildings with Platformatics Power over Ethernet controls
- Support human-centric design with adaptive, individualized lighting using tunable white light

### 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.
- TRIMLOCK – Innovative TrimLock® reflector retention system ensures trim remains secure.
- OPEN REFLECTOR – Low-iridescent anodized aluminum. Clear semi-specular finish standard.
- LENSED TRIM – Die-cast aluminum frame with micro-prismatic lens (acrylic downlight, tempered glass uplight).
- ELECTRICAL – High-performance Class 2 LED array. Modular quick-connect plug for easy field-connection of LED light assembly to driver. Reported L70>50,000 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 – Cable or wall mount. Indoor applications only. Max weight 20 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).

### 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: 8CRDI - TL - P29/835U/P29/835D - WHT - POE PR - LW/LM - CS - TRIM OPTIONS - CM

### HOUSING

SERIES	LUMEN PACKAGE (Example: P29/835U/P16/835D)	HOUSING FINISH	CONTROL <sup>[1]</sup>
8CRDI - TL	Specify lumen packages: U for Uplight and D for Downlight	ALUM Silver sparkle aluminum	POE PR Power over Ethernet, Platformatics-ready
TrimLock	LUMENS <sup>[2]</sup> CRI CCT	U OR D	
	P16 1,600lm 8 80 27 2700K	U Uplight	
	P29 2,900lm 9 90 <sup>[3]</sup> 30 3000K	D Downlight	
	P46 4,600lm 35 3500K		
	P62 6,200lm 40 4000K		
	50 5000K		
	TW Tunable white (80 CRI, 2700K–5000K)		

### TRIM

TRIM TYPE AND DISTRIBUTION <sup>[4]</sup> (Example Uplight/Downlight: LW/LM)	REFLECTOR FINISH <sup>[5]</sup>	TRIM OPTIONS
<b>TRIM TYPE</b>	<b>Downlight Open Trim Types</b>	<b>AD</b> Diffuse acrylic lens <sup>[6]</sup>
<b>Uplight</b>	CS Clear semi-specular anodize	<b>PD</b> Diffuse 1/8" polycarbonate lens <sup>[7]</sup>
O Open reflector with clear glass shield <sup>[9]</sup>	SG Satin-glow anodize	<b>TD</b> Diffuse polycarbonate lens media at top of open reflector <sup>[8]</sup>
L Flush lens <sup>[10]</sup>	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	
	<b>Downlight Lens Trim Types</b>	
	CS Clear semi-specular powder coat	
	WH White texture powder coat	
	BL Black texture powder coat	
	BZ Bronze texture powder coat	
	NK Nickel texture powder coat	
	SV Silver texture powder coat	
	AL Silver sparkle aluminum	

### MOUNTING

MOUNTING TYPE <sup>[15]</sup>
CM__ Adjustable aircraft cable mount, 24" length standard. Example: 24" cable = CM24 <sup>[16]</sup>
WM Wall mount

### NOTES

- 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, 80 CRI, 3500K for single CCT and 4000K for TW. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA.
- Extended lead times may apply. Consult factory for availability. Not available with Tunable White.
- Beam angle based on O Trim Type, WM Mounting 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 5 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. Not available with P62 lumen package.
- CS Reflector Finish standard. Other colors available, consult factory.
- Not available with WM Mounting Type. Trim finish matches Housing Finish. Other colors available, consult factory.
- O Trim Type only.
- O Trim Type only.
- Not available with P46 and P62 lumen packages when specified with L or R trim types.
- Not available with P46 and P62 lumen packages when specified with L or R trim types.
- See page 4 for MOUNTING DETAILS.
- Not available with P46 and P62 lumen packages when specified with uplight and Tunable White. 48" and 96" lengths available. Canopy painted white unless specified otherwise.



### FIXTURE PERFORMANCE DATA

#### STATIC WHITE

DIST.	WATTAGE	DOWNLIGHT						UPLIGHT WALL MOUNT			UPLIGHT CABLE MOUNT				
		OPEN REFLECTOR		FLUSH LENS		REGRESSED LENS		WATTAGE	OPEN REFLECTOR		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)	DELIVERED LUMENS	EFFICACY (lm/W)	
P16	W 12.3	1611	131	1344	109	1301	106	12.3	1468	119	12.3	1303	106	1208	98
	M 12.3	1563	127	1449	118	1409	115	12.3	1424	116	12.3	1255	102	–	–
	N 12.3	1495	122	1457	118	1420	115	12.3	1362	111	12.3	1240	101	–	–
P29	W 25.0	2947	118	2454	98	2375	95	25.0	2685	107	25.0	2404	96	2218	89
	M 25.0	2855	114	2645	106	2573	103	25.0	2602	104	25.0	2305	92	–	–
	N 25.0	2731	109	2661	106	2593	104	25.0	2489	100	25.0	2220	89	–	–
P46	W 37.5	4582	122	3818	102	3695	99	37.5	4175	111	37.5	3737	100	3465	92
	M 37.5	4442	118	–	–	–	–	37.5	4048	108	37.5	3590	96	–	–
	N 37.5	4252	113	–	–	–	–	37.5	3875	103	37.5	3424	91	–	–
P62	W 50.0	6158	123	5145	103	4980	100	50.0	5611	112	50.0	5215	104	4835	97
	M 50.0	5970	119	–	–	–	–	50.0	5440	109	50.0	4936	99	–	–
	N 50.0	5715	114	–	–	–	–	50.0	5208	104	50.0	4758	95	–	–

#### TUNABLE WHITE

DIST.	WATTAGE	DOWNLIGHT						UPLIGHT WALL MOUNT			UPLIGHT CABLE MOUNT				
		OPEN REFLECTOR		FLUSH LENS		REGRESSED LENS		WATTAGE	OPEN REFLECTOR		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)	DELIVERED LUMENS	EFFICACY (lm/W)	
P16	W 12.3	1343	109	1120	91	1084	88	12.3	1224	99	12.3	1111	90	1030	84
	M 12.3	1303	106	1207	98	1175	96	12.3	1187	97	12.3	1071	87	–	–
	N 12.3	1246	101	1215	99	1184	96	12.3	1135	92	12.3	1031	84	–	–
P29	W 25.0	2728	109	2273	91	2200	88	25.0	2486	99	25.0	2246	90	2082	83
	M 25.0	2645	106	2450	98	2383	95	25.0	2410	96	25.0	2157	86	–	–
	N 25.0	2531	101	2464	99	2402	96	25.0	2306	92	25.0	2058	82	–	–
P46	W 37.5	4070	109	3400	91	3291	88	37.5	3709	99	37.5	3709	99	–	–
	M 37.5	3945	105	–	–	–	–	37.5	3595	96	37.5	3595	96	–	–
	N 37.5	3776	101	–	–	–	–	37.5	3441	92	37.5	3441	92	–	–
P62	W 43.5	4721	109	3944	91	3817	88	43.5	4302	99	43.5	4302	99	–	–
	M 43.5	4576	105	–	–	–	–	43.5	4170	96	43.5	4170	96	–	–
	N 43.5	4381	101	–	–	–	–	43.5	3992	92	43.5	3992	92	–	–

#### MULTIPLIER TABLES

	COLOR TEMPERATURE		
	CCT	LUMENS	
		STANDARD	TUNABLE WHITE
80 CRI	2700K	0.92	0.83
	3000K	0.98	1.00
	3500K	1.00	0.99
	4000K	1.01	1.00
	5000K	1.02	0.98
90 CRI	2700K	0.76	–
	3000K	0.79	–
	3500K	0.82	–
	4000K	0.84	–
	5000K	0.88	–

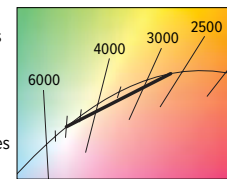
	REFLECTOR FINISH	
	CATALOG NUMBER	CONVERSION FACTOR
O TRIM	CS	1.00
	SG <sup>(1)</sup>	0.92
	GD	0.93
	CG	0.96
	PW	0.86
	SPC	1.02
	RG	0.88
	WH <sup>(1)</sup>	0.89
	BL <sup>(1)</sup>	0.47
	R TRIM	WH
CS <sup>(1)</sup>		0.98
BL <sup>(1)</sup>		0.79
BZ <sup>(1)</sup>		0.76
NK <sup>(1)</sup>		0.81
SV <sup>(1)</sup>		0.81
AL <sup>(1)</sup>	0.86	

TRIM OPTIONS	
CATALOG NUMBER	CONVERSION FACTOR
AD	0.85
PD	0.85
TD	0.75

#### BEAM ANGLE

	TRIM TYPE					
	DOWNLIGHT			WM UPLIGHT	CM UPLIGHT	
	OPEN	FLUSH	REGRESSED	OPEN	OPEN	FLUSH
W	65°	55°	55°	65°	65°	50°
M	35°	35°	35°	35°	45°	35°
N	10°	25°	25°	10°	10°	25°

- <sup>1</sup> 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, actual lumens may vary +/-5%.
- Tunable white results based on 4000K/80 CRI, 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.

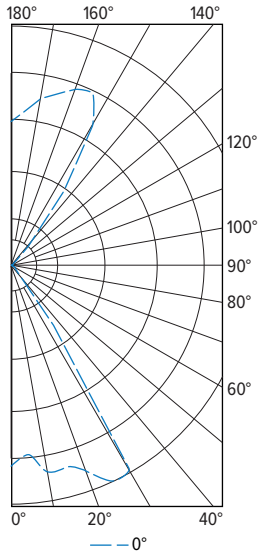


# 8CRDI PoE | tunable WHITE

## 8" Direct/Indirect Cylinder – Round

### PHOTOMETRY

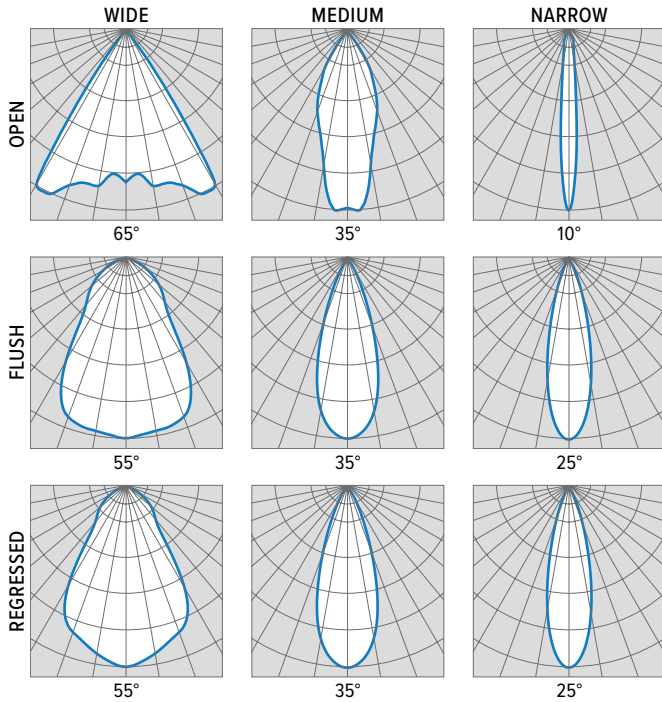
8CRDI-TL-P29/835U/P29/835D-POE PR-OW/OW-CS-WM Total Luminaire Output: 5792 lumens; 50 Watts | Efficacy: 116 lm/W | 80 CRI; 3500K CCT



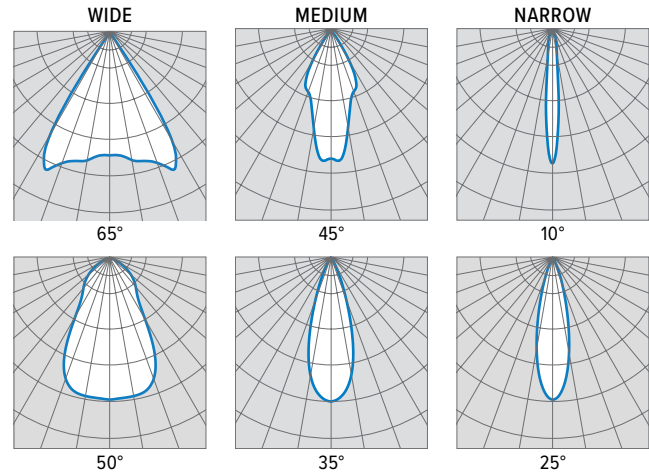
VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
	0°	
0	2478	
5	2340	234
15	2571	739
25	2937	1327
35	895	720
45	68	57
55	19	20
65	3	4
75	0	0
85	0	1
90	5	
95	6	7
105	9	10
115	15	15
125	31	29
135	79	86
145	1119	687
155	2350	1047
165	2179	622
175	1905	188
180	1767	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	2300	40
0 - 40	3019	52	
0 - 60	3096	54	
0 - 90	3101	54	
90 - 120	31	1	
90 - 150	834	14	
90 - 180	2691	47	
0 - 180	5792	100	

#### WALL MOUNT



#### UPLIGHT CABLE MOUNT



### TRIMLOCK DETAILS

#### TWIST



#### PULL



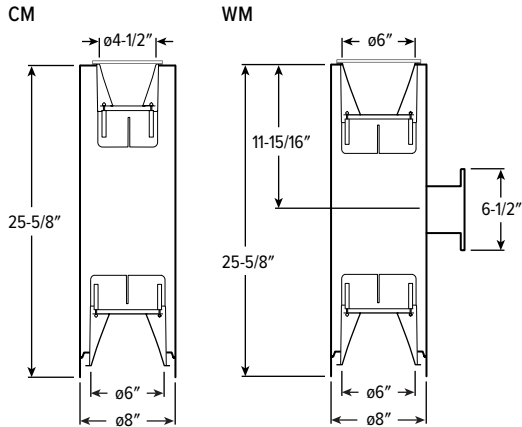
#### RELEASE



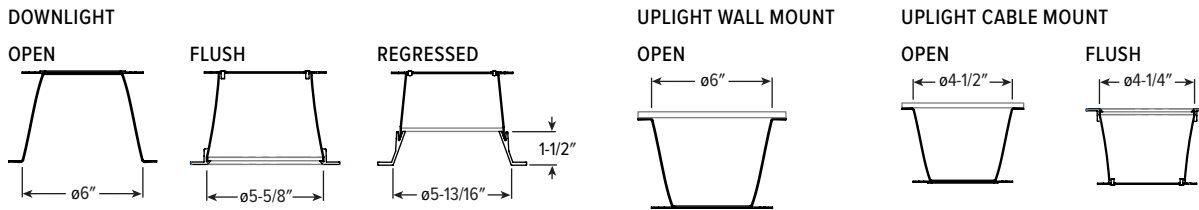
# 8CRDI PoE | tunable WHITE

## 8" Direct/Indirect Cylinder – Round

### CROSS SECTIONS



### TRIM TYPE DETAILS



### MOUNTING DETAILS

#### CABLE MOUNT (CM\_\_)

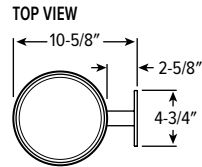


- Cable mount fixtures are provided with:
- Adjustable length aircraft cable, must specify length in inches
  - One 5" canopy
  - T-bar clip with 1/4-20 stud
  - Hard ceiling anchor provided by others

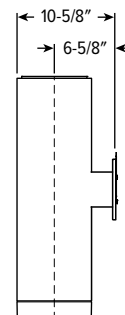
#### WALL MOUNT (WM)



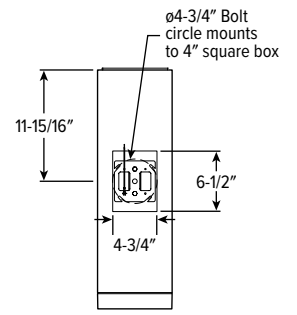
Mounts to 4" square J-box



SIDE VIEW

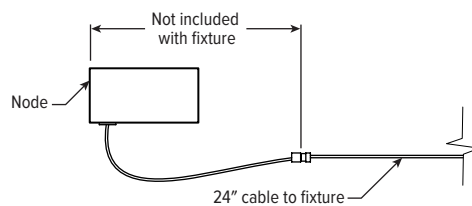


BACK VIEW

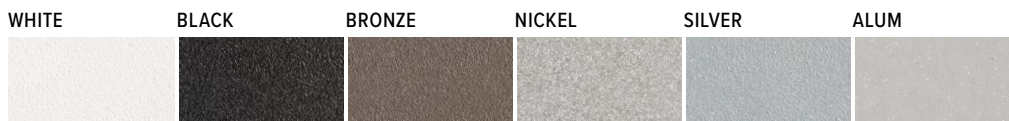


### NODE CONNECTION DETAILS

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



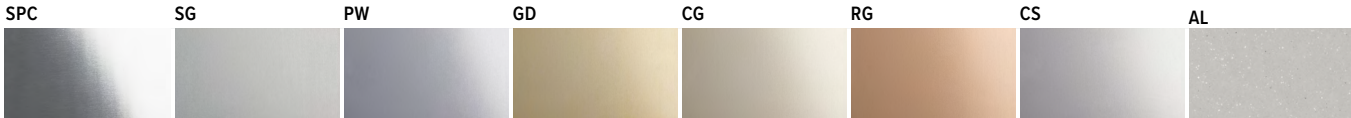
For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require two sample swatches, minimum 1" square.



# 8CRDI PoE | tunable WHITE 8" Direct/Indirect Cylinder – Round

## REFLECTOR FINISH DETAILS

### SMOOTH FINISH



### TEXTURED FINISH

