

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

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

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

### FEATURES

#### TrimLock®

- Create scalable, highly functioning smart buildings with Platformatics Power over Ethernet controls

### 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, tempered glass lens.
- 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. AI
- MOUNTING** – Cable or wall mount. Indoor applications only. Max weight 14-1/2 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).

### 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/poe](http://hew.com/poe)
- Consult factory for design support



ORDERING EXAMPLE: 6CRDI - TL - P28/835U/P28/835D - WHT - POE PR - LW/LM - CS - TRIM OPTIONS - CM

### HOUSING

SERIES	LUMEN PACKAGE (Example: P28/835U/P15/835D)	HOUSING FINISH <sup>[1]</sup>	CONTROL <sup>[2]</sup>
6CRDI - 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>[3]</sup> CRI CCT U OR D	BLK Textured black	
	P15 1,500lm 8 80 <sup>[4]</sup> 27 2700K U Uplight	BRZ Textured bronze	
	P28 2,800lm 9 90 <sup>[5]</sup> 30 3000K D Downlight	NKL Textured nickel	
	P44 4,400lm 35 3500K	SLV Textured silver	
	P62 6,200lm 40 4000K	WHT Textured white	
	50 5000K		
	TW Tunable white (80 CRI, 2700K–5000K) <sup>[6]</sup>		

### TRIM

TRIM TYPE AND DISTRIBUTION <sup>[7]</sup>	REFLECTOR FINISH <sup>[8]</sup>	TRIM OPTIONS
(Example Uplight/Downlight: LW/LM)	<b>Downlight Open Trim Types</b>	AD Diffuse acrylic lens <sup>[9]</sup>
<b>TRIM TYPE</b>	CS Clear semi-specular anodize	PD Diffuse 1/8" polycarbonate lens <sup>[10]</sup>
<b>Uplight</b>	SG Satin-glow anodize	TD Diffuse polycarbonate lens media at top of open reflector <sup>[11]</sup>
O Open reflector with clear glass shield <sup>[12]</sup>	GD Gold anodize	
L Flush lens <sup>[13]</sup>	CG Champagne gold anodize	
	PW Pewter anodize	
<b>Downlight</b>	SPC Clear specular anodize	
O Open reflector	RG Rose gold anodize	
L Flush lens	WH White texture powder coat	
R Regressed lens	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>[19]</sup>
CM__ Adjustable aircraft cable mount, 24" length standard Example: 24" cable = CM24 <sup>[20]</sup>
WM Wall mount

### NOTES

- See page 5 for HOUSING FINISH DETAILS.
- See page 5 for NODE CONNECTION DETAILS. For additional PoE info, see [hew.com/poe](http://hew.com/poe)
- 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
- Not available with TW when specified with upright CM Mounting Type.
- Only available with TW when specified with upright CM Mounting Type. Extended lead times may apply. Consult factory for availability.
- P15 and P28 lumen packages only.
- 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.
- Trim finish matches Housing Finish. Other colors available, consult factory.
- P15 and P28 lumen packages only when specified with CM Mounting Type.
- Not available with L Trim Type when specified with W Mounting Type.
- O Trim Type only.
- O Trim Type only when specified with P44 or P62 lumen packages.
- O Trim Type only when specified with P44 or P62 lumen packages.
- See page 4 for MOUNTING DETAILS.
- P28 lumen package max for upright. 48" and 96" lengths available. Canopy painted white unless specified otherwise. Must specify low-voltage cord. See page 4 for LOW-VOLTAGE CORD OPTIONS.



### FIXTURE PERFORMANCE DATA

#### STATIC WHITE

DIST.	WATTAGE	DOWNLIGHT						UPLIGHT WALL MOUNT				UPLIGHT CABLE MOUNT						
		OPEN REFLECTOR		FLUSH LENS		REGRESSED LENS		OPEN REFLECTOR		FLUSH LENS		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)	DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)	
P15	W	12.3	1537	125	1196	97	1208	98	12.3	1303	106	1208	98	16.6	1285	77	1723	104
	M	12.3	1480	120	1356	110	1361	111	12.3	1255	102	-	-	16.6	1241	75	1697	102
	N	12.3	1462	119	1365	111	1372	112	12.3	1240	101	-	-	16.6	1014	61	-	-
P28	W	25.0	2835	113	2196	88	2219	89	25.0	2404	96	2218	89	23.2	1687	73	2263	98
	M	25.0	2719	109	2491	100	2499	100	25.0	2305	92	-	-	23.2	1630	70	2228	96
	N	25.0	2619	105	2507	100	2520	101	25.0	2220	89	-	-	23.2	1332	57	-	-
P44	W	37.5	4408	118	3430	91	3466	92	37.5	3737	100	3465	92	-	-	-	-	-
	M	37.5	4234	113	-	-	-	-	37.5	3590	96	-	-	-	-	-	-	-
	N	37.5	4039	108	-	-	-	-	37.5	3424	91	-	-	-	-	-	-	-
P62	W	50.0	6151	123	4786	96	4836	97	50.0	5215	104	4835	97	-	-	-	-	-
	M	50.0	5822	116	-	-	-	-	50.0	4936	99	-	-	-	-	-	-	-
	N	50.0	5612	112	-	-	-	-	50.0	4758	95	-	-	-	-	-	-	-

#### TUNABLE WHITE

DIST.	WATTAGE	DOWNLIGHT						UPLIGHT WALL MOUNT				UPLIGHT CABLE MOUNT						
		OPEN REFLECTOR		FLUSH LENS		REGRESSED LENS		OPEN REFLECTOR		FLUSH LENS		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)	DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)	
P15	W	12.3	1311	107	1020	83	1031	84	12.3	1111	90	1030	84	19.3	1068	55	1433	74
	M	12.3	1263	103	1157	94	1161	94	12.3	1071	87	-	-	19.3	1078	56	1473	76
	N	12.3	1216	99	1164	95	1170	95	12.3	1031	84	-	-	19.3	825	43	-	-
P28	W	25.0	2649	106	2061	82	2083	83	25.0	2246	90	2082	83	23.7	1196	50	1604	68
	M	25.0	2544	102	2337	93	2345	94	25.0	2157	86	-	-	23.7	1206	51	1649	70
	N	25.0	2427	97	2353	94	2364	95	25.0	2058	82	-	-	23.7	924	39	-	-

#### MULTIPLIER TABLES

CCT	COLOR TEMPERATURE				
	STATIC WHITE	LUMENS			
		TUNABLE WHITE			
		DOWNLIGHT	UPLIGHT		
	WALL	CABLE			
80 CRI	2700K	0.92	0.83	0.83	-
	3000K	0.98	1.00	1.00	-
	3500K	1.00	0.99	0.99	-
	4000K	1.01	1.00	1.00	-
	5000K	1.02	0.98	0.98	-
90 CRI	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

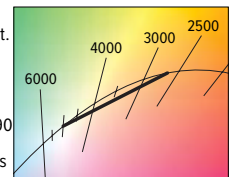
	REFLECTOR FINISH	
	CATALOG NUMBER	CONVERSION FACTOR
O TRIM	CS	1.00
	SG <sup>(1)</sup>	0.92
	GD	0.93
	CG	0.96
	PW	0.86
	SPC	1.02
	RG	0.88
	WH <sup>(1)</sup>	0.89
BL <sup>(1)</sup>	0.47	
R TRIM	WH	1.00
	CS <sup>(1)</sup>	0.98
	BL <sup>(1)</sup>	0.79
	BZ <sup>(1)</sup>	0.76
	NK <sup>(1)</sup>	0.81
	SV 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

	TRIM OPTIONS	
	CATALOG NUMBER	CONVERSION FACTOR
AD	0.85	
PD	0.85	
TD	0.75 <sup>(2)</sup>	

#### BEAM ANGLE

	TRIM TYPE						
	DOWNLIGHT			WM UPLIGHT		CM UPLIGHT	
	OPEN	FLUSH	REGRESSED	OPEN	FLUSH	OPEN	FLUSH
W	65°	50°	50°	65°	50°	70°	50°
M	45°	35°	30°	45°	35°	40°	30°
N	10°	25°	25°	10°	25°	15°	20°

- Distribution will also be affected, consult factory.
  - Use 0.67 multiplier when specified with upright cable mount.
- 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 (uplight CM is 90 CRI), actual lumens may vary +/-5%
  - Wattage is for downlight or upright 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.

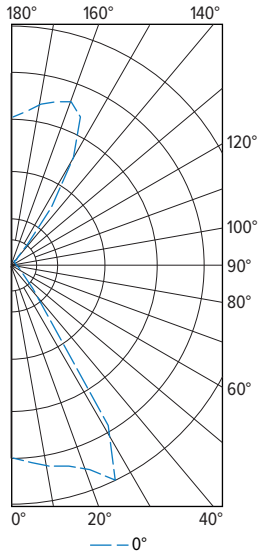


# 6CRDI PoE | tunable WHITE

## 6.5" Direct/Indirect Cylinder – Round

### PHOTOMETRY

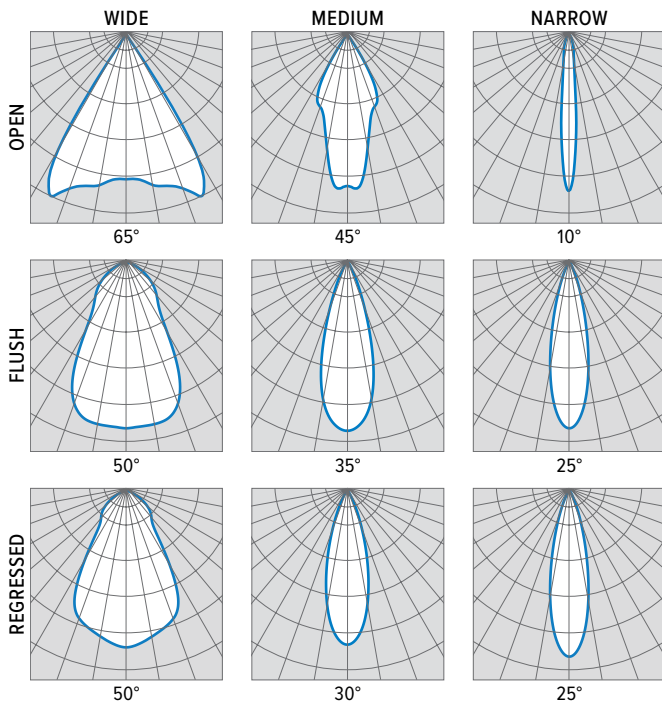
6CRDI-TL-P28/835U/P28/835D-POE PR-OW/OW-CS-WM Total Luminaire Output: 5380 lumens; 50 Watts | Efficacy: 108 lm/W | 80 CRI; 3500K CCT



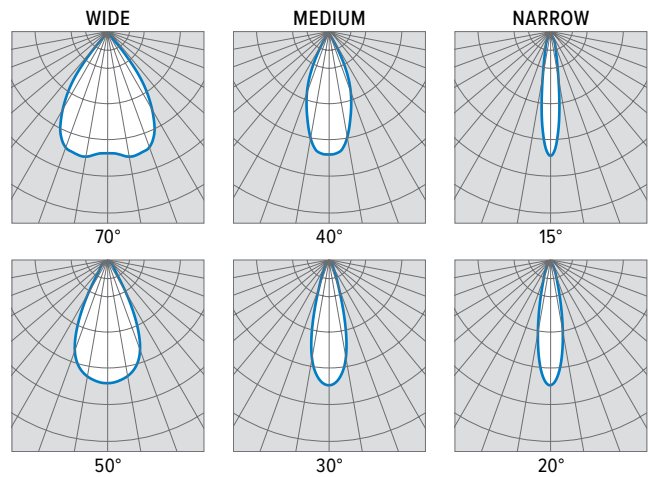
VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
	0°	
0	2559	
5	2636	254
15	2771	793
25	3155	1345
35	434	513
45	62	51
55	16	16
65	1	3
75	0	0
85	0	1
90	5	
95	5	6
105	8	8
115	12	13
125	26	24
135	82	88
145	857	541
155	2079	921
165	2156	612
175	1961	191
180	1880	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
		0 - 30	2392
	0 - 40	2906	54
	0 - 60	2973	55
	0 - 90	2976	55
	90 - 120	26	1
	90 - 150	679	13
	90 - 180	2404	45
	0 - 180	5380	100

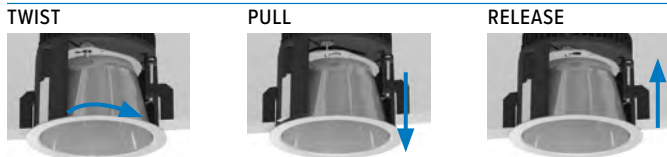
#### DOWNLIGHT | UPLIGHT WALL MOUNT



#### UPLIGHT CABLE MOUNT



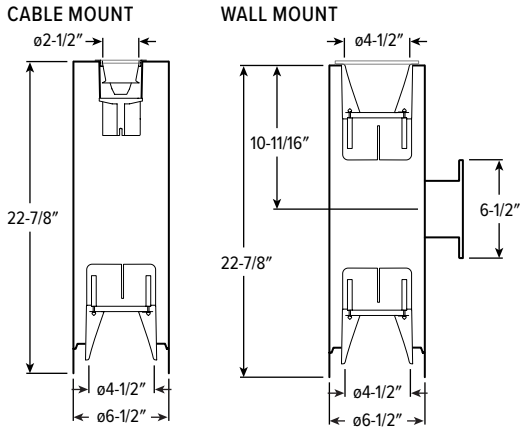
### TRIMLOCK DETAILS



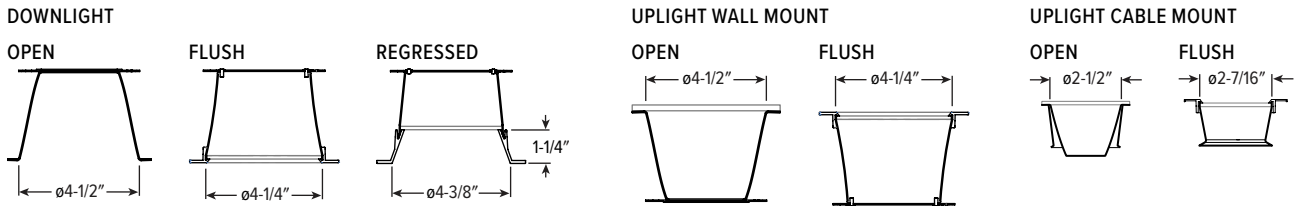
# 6CRDI PoE | tunable WHITE

## 6.5" Direct/Indirect Cylinder – Round

### CROSS SECTIONS



### TRIM TYPE DETAILS



### MOUNTING DETAILS

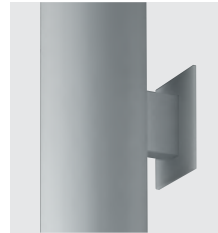
#### CABLE MOUNT (CM\_)



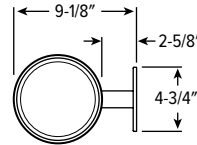
Cable mount fixtures are provided with:

- Adjustable length aircraft cable, must specify length in inches
- Low-voltage cord in choice of white or black, see Low-voltage Cord Options for ordering info
- 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.



### LOW-VOLTAGE CORD OPTIONS

Must specify low-voltage cord when cable mounting.

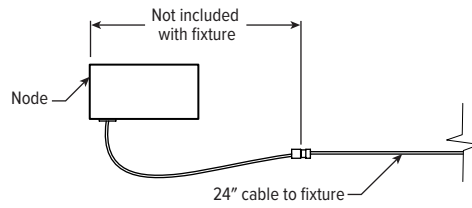
ORDERING EXAMPLE: P24/W		
CORD TYPE	LENGTH	COLOR
P PoE	24 24"	/W White
	48 48"	/B Black
	96 96"	



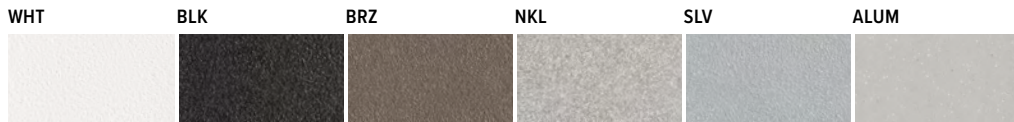
# 6CRDI PoE | tunable **WHITE** 6.5" Direct/Indirect Cylinder – Round

## 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)



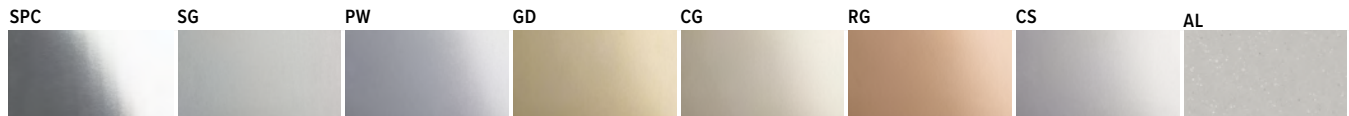
## HOUSING FINISH DETAILS



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

