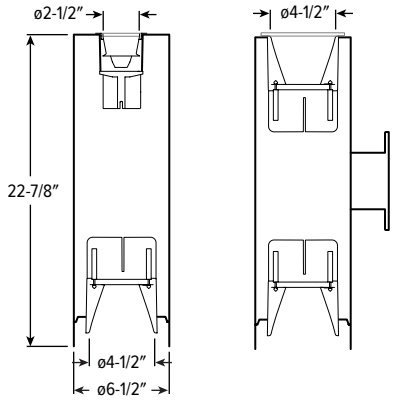
6CRDI PoE | tunable WHITE
6.5″ Direct/Indirect Cylinder – Round



Cable Mount Wall Mount

CATALOG #:

TYPE:

PROJECT:

BUY AMERICAN ACT COMPLIANT Low UGR TrimLock®

FEATURES

- Deliver scalable, data-driven smart buildings with PoE-enabled fixtures and controls
- Smoothly accent walls and eliminate dark ceilings with direct and indirect lighting
- Low UGR meets LEED and WELL requirements

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.
- 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 dry and damp locations.
  - Complies with the Buy American Act and other federal regulations. Request certification at hew.com/baa.
- WARRANTY – 5-year limited warranty, see 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

ORDERING EXAMPLE: 6CRDI - TL - 23 - P28/835U/P28/835D - WHT - POE PR - LW/LM - CS - TRIM OPTIONS - CM

HOUSING | TRIM | MOUNT.

HOUSING

SERIES
- **6CRDI - TL** TrimLock

HEIGHT
- **23** 23″

LUMEN PACKAGE (Example: P28/835U/P15/835D)

Specify lumen packages: **U** for Uplight and **D** for Downlight

LUMENS [3]		CRI		CCT		U OR D	
P15	1,500lm	**8**	80 [4]	**27**	2700K	**U**	Uplight
P28	2,800lm	**9**	90 [5]	**30**	3000K	**D**	Downlight
P44	4,400lm			**35**	3500K		
P62	6,200lm			**40**	4000K		
				50	5000K		
				TW	Tunable white (80 CRI, 2700K–5000K)[6]		

HOUSING FINISH [1]
- **ALUM** Silver sparkle aluminum
- **BLK** Textured black
- **BRZ** Textured bronze
- **NKL** Textured nickel
- **SLV** Textured silver
- **WHT** Textured white

CONTROL[2]
- **POE PR** Power over Ethernet-ready

TRIM

TRIM TYPE AND DISTRIBUTION [7]

(Example Uplight/Downlight: **LW/LM**)

TRIM TYPE

Uplight
- **O** Open reflector with clear glass shield [12]
- **L** Flush lens [13]

Downlight
- **O** Open reflector
- **L** Flush lens
- **R** Regressed lens

DISTRIBUTION

Uplight [14]
- **W** 65° Wide
- **M** 45° Medium [15]
- **N** 10° Narrow [16]

Downlight
- **W** 65° Wide
- **M** 45° Medium [17]
- **N** 10° Narrow [18]

REFLECTOR FINISH [8]

Downlight Open Trim Types
- **CS** Clear semi-specular anodize
- **SG** Satin-glow anodize
- **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

Downlight Lens Trim Types
- **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

TRIM OPTIONS
- **AD** Diffuse acrylic lens [9]
- **PD** Diffuse 1/8″ polycarbonate lens [10]
- **TD** Diffuse polycarbonate lens media at top of open reflector [11]

MOUNTING

MOUNTING TYPE [19]

- **CM__** Adjustable aircraft cable mount, 24″, 48″, 96″, or 144″ only, must specify. Example: 24″ cable = **CM24** [20]
- **WM** Wall mount

NOTES

1. See page 4 for HOUSING FINISH DETAILS.
2. For additional PoE connection details, consult factory.
3. Lumen output based on O Trim Type, W Distribution and CS Reflector Finish, 80 CRI, 3500K for single CCT and 4000K for TW. Actual performance may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA.
4. Not available with TW when specified with uplight CM Mounting Type.
5. Only available with TW when specified with uplight CM Mounting Type.
6. P15 and P28 lumen packages only.
7. 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.
8. Specified for Downlight Trim Type only. See page 4 for REFLECTOR FINISH DETAILS.
9. Not available with O Trim Type. Downlight only. W Distribution only.
10. Not available with O Trim Type. Downlight only. W Distribution only.
11. O Trim Type only. Downlight only. Not available with P62 lumen package.
12. CS Reflector Finish standard. Other colors available, consult factory.
13. Not available with WM Mounting Type. Trim finish matches Housing Finish. Other colors available, consult factory.
14. P15 and P28 lumen packages only when specified with CM Mounting Type.
15. Not available with L Trim Type when specified with W Mounting Type.
16. O Trim Type only.
17. O Trim Type only when specified with P44 or P62 lumen packages.
18. O Trim Type only when specified with P44 or P62 lumen packages.
19. See page 4 for MOUNTING DETAILS.
20. P28 lumen package max for uplight. Canopy painted white unless specified otherwise.

6CRDI PoE | tunable WHITE
6.5″ Direct/Indirect Cylinder – Round

FIXTURE PERFORMANCE DATA

STATIC WHITE

		DOWNLIGHT							UPLIGHT WALL MOUNT			UPLIGHT CABLE MOUNT				
			OPEN REFLECTOR		FLUSH LENS		REGRESSED LENS			OPEN REFLECTOR			OPEN REFLECTOR		FLUSH LENS	
	DIST.	WATTAGE	DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)	WATTAGE	DELIVERED LUMENS	EFFICACY (lm/W)	WATTAGE	DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)
P15	W	12.3	1537	125	1196	97	1208	98	12.3	1303	106	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	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					
	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					
	M	50.0	5822	116	–	–	–	–	50.0	4936	99					
	N	50.0	5612	112	–	–	–	–	50.0	4758	95					

TUNABLE WHITE

		DOWNLIGHT							UPLIGHT WALL MOUNT			UPLIGHT CABLE MOUNT				
			OPEN REFLECTOR		FLUSH LENS		REGRESSED LENS			OPEN REFLECTOR			OPEN REFLECTOR		FLUSH LENS	
	DIST.	WATTAGE	DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)	WATTAGE	DELIVERED LUMENS	EFFICACY (lm/W)	WATTAGE	DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)
P15	W	12.3	1311	107	1020	83	1031	84	12.3	1111	90	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	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

	COLOR TEMPERATURE				
	CCT	LUMENS			
		STATIC WHITE	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 [1]	0.92
	GD	0.93
	CG	0.96
	PW	0.86
	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

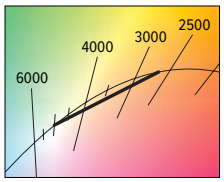
TRIM OPTIONS	
CATALOG NUMBER	CONVERSION FACTOR
AD	0.85
PD	0.85
TD	0.75 [2]

BEAM ANGLE

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

1 Distribution will also be affected, consult factory.
2 Use 0.67 multiplier when specified with uplight cable mount.

- 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, static white 3500K/80 CRI or tunable white 4000K/80CRI (uplight CM is 90 CRI), 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. Wattage and efficacy data shown do not account for node losses.
- Use multiplier tables to calculate additional options.

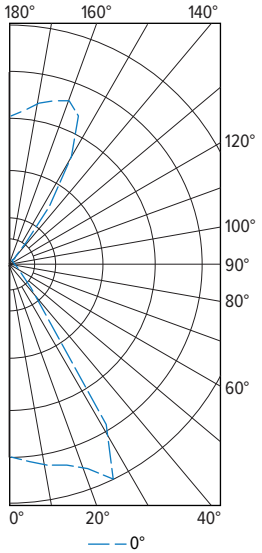


PHOTOMETRY CONTINUED ON NEXT PAGE.

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



CANDLEPOWER DISTRIBUTION

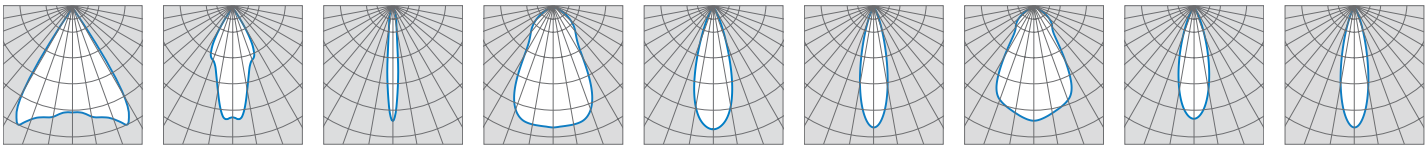
VERTICAL ANGLE	HORIZONTAL ANGLE 0°	ZONAL LUMENS
0	2559	
5	2636	254
15	2771	793
25	3155	1345
35	434	513
45	62	51
55	16	16
65	1	3
75	0	0
85	0	1
90	5	
95	5	6
105	8	8
115	12	13
125	26	24
135	82	88
145	857	541
155	2079	921
165	2156	612
175	1961	191
180	1880	

LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0 - 30	2392	45
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

WALL MOUNT

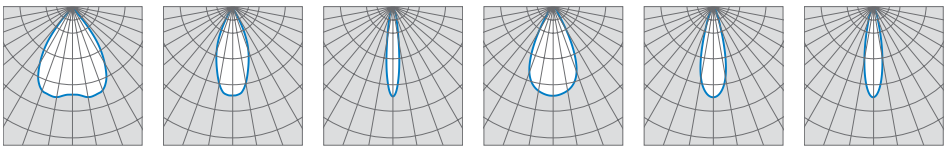
OPEN | FLUSH | REGRESSED



65° 45° 10° 50° 35° 25° 50° 30° 25°

UPLIGHT CABLE MOUNT

OPEN | FLUSH



70° 40° 15° 50° 30° 20°

TRIMLOCK DETAILS

TWIST

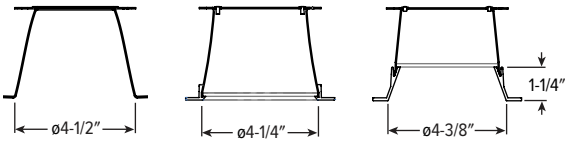
PULL

RELEASE

TRIM TYPE DETAILS

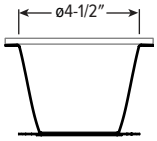
DOWNLIGHT

OPEN | FLUSH | REGRESSED



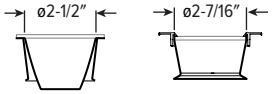
UPLIGHT WALL MOUNT

OPEN



UPLIGHT CABLE MOUNT

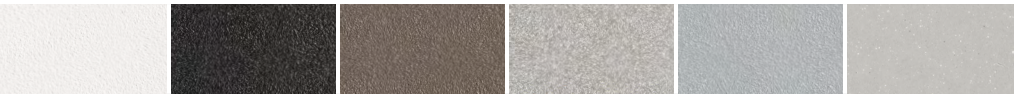
OPEN | FLUSH



6CRDI PoE | tunable WHITE
6.5″ Direct/Indirect Cylinder – Round

HOUSING FINISH DETAILS

WHITE | BLACK | BRONZE | NICKEL | SILVER | ALUM



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

SPC | SG | PW | GD | CG | RG | CS | AL

Textured Finish

WH | BL | BZ | NK | SV

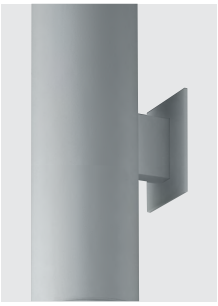
MOUNTING DETAILS

CABLE MOUNT (CM__)

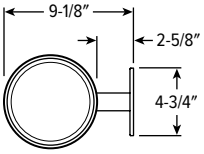
Provided with:

- Adjustable length aircraft cable, must specify length in 24″, 48″, 96″, or 144″ inches.
- One 5″ canopy
- T-bar clip with 1/4-20 stud
- Hard ceiling anchor provided by others

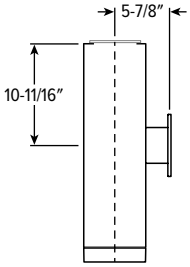
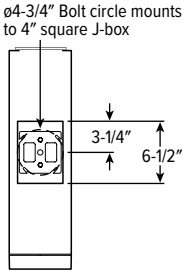
WALL MOUNT (WM)



TOP VIEW



SIDE VIEW



BACK VIEW