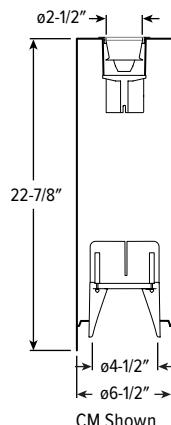


6CRDI PoE | tunable WHITE

6.5" Direct/Indirect Cylinder – Round



CATALOG #: _____

TYPE: _____

PROJECT: _____

FEATURES

TrimLock®



- Deliver scalable, data-driven smart buildings with PoE-enabled fixtures and controls
- 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.
- 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 - P28/835U/P28/835D - WHT - POE PR - LW/LM - CS - TRIM OPTIONS - CM

HOUSING

SERIES	LUMEN PACKAGE (Example: P28/835U/P15/835D)	HOUSING FINISH ^[1]	CONTROL ^[2]
6CRDI - TL TrimLock	Specify lumen packages: U for Uplight and D for Downlight	ALUM Silver sparkle aluminum	POE PR Power over Ethernet-ready
	LUMENS ^[3] CRI CCT U OR D	BLK Textured black	
	P15 1,500lm 8 80 ^[4] 27 2700K U Uplight	BRZ Textured bronze	
	P28 2,800lm 9 90 ^[5] 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) ^[6]		

TRIM

TRIM TYPE AND DISTRIBUTION^[7]
(Example Uplight/Downlight: LW/LM)

TRIM TYPE	DISTRIBUTION
Uplight	Uplight^[14]
O Open reflector with clear glass shield ^[12]	W 65° Wide
L Flush lens ^[13]	M 45° Medium ^[15]
	N 10° Narrow ^[16]
Downlight	Downlight
O Open reflector	W 65° Wide
L Flush lens	M 45° Medium ^[17]
R Regressed lens	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 finish, 80 CRI, 3500K for single CCT and 4000K for TW. Actual lumens 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. Extended lead times may apply. Consult factory for availability.

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 5 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				
		WATTAGE	OPEN REFLECTOR		FLUSH LENS		REGRESSED LENS		WATTAGE	OPEN REFLECTOR		WATTAGE	OPEN REFLECTOR		FLUSH LENS	
DIST.			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	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				
		WATTAGE	OPEN REFLECTOR		FLUSH LENS		REGRESSED LENS		WATTAGE	OPEN REFLECTOR		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)	DELIVERED LUMENS	EFFICACY (lm/W)
P15	DIST.	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	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

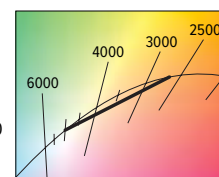
REFLECTOR FINISH	
CATALOG NUMBER	CONVERSION FACTOR
CS	1.00
SG ⁽¹⁾	0.92
GD	0.93
CG	0.96
PW	0.86
SPC	1.02
RG	0.88
WH ⁽¹⁾	0.89
BL ⁽¹⁾	0.47
O TRIM	
WH	1.00
CS ⁽¹⁾	0.98
BL ⁽¹⁾	0.79
BZ ⁽¹⁾	0.76
NK ⁽¹⁾	0.81
SV ⁽¹⁾	0.81
AL ⁽¹⁾	0.86

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°

- Distribution will also be affected, consult factory.
 - Use 0.67 multiplier when specified with uplight 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 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.

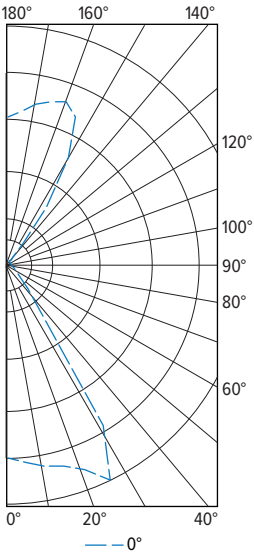


6CRDI

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

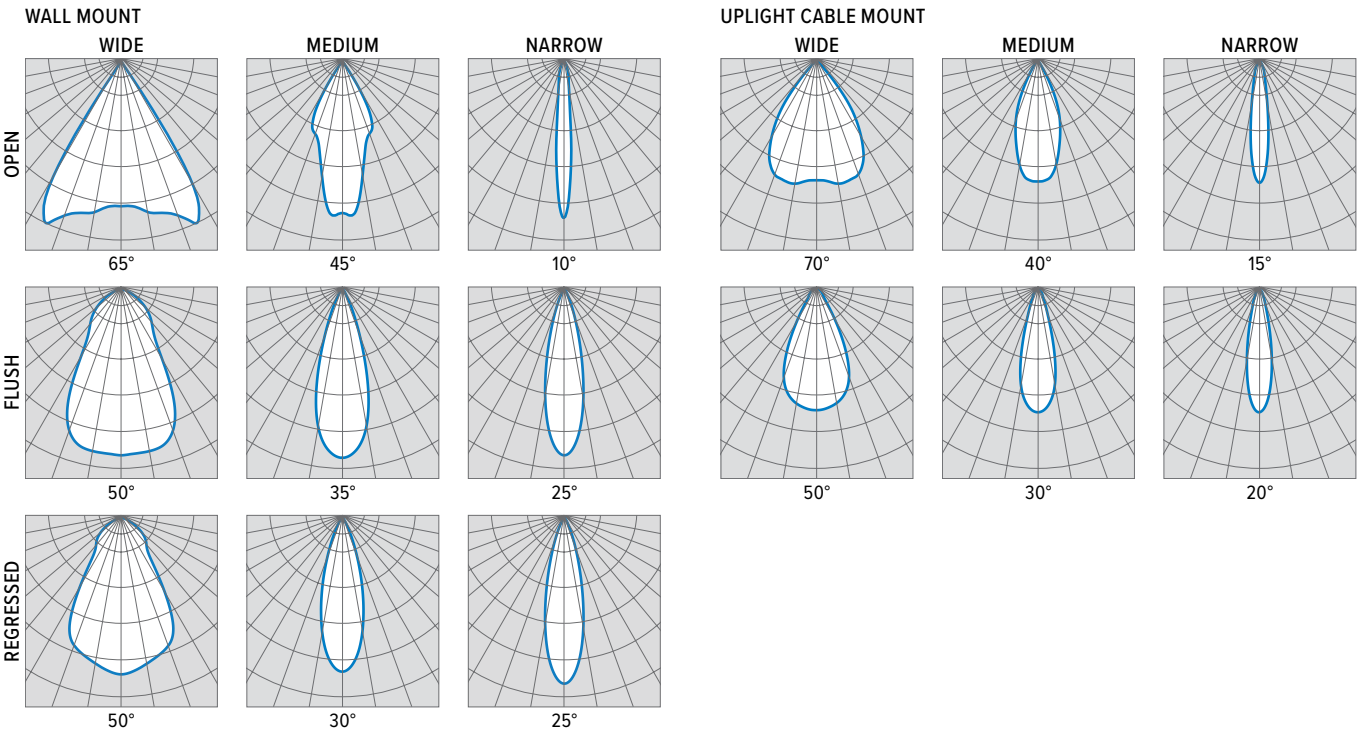
PHOTOMETRY

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	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	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



TRIMLOCK DETAILS

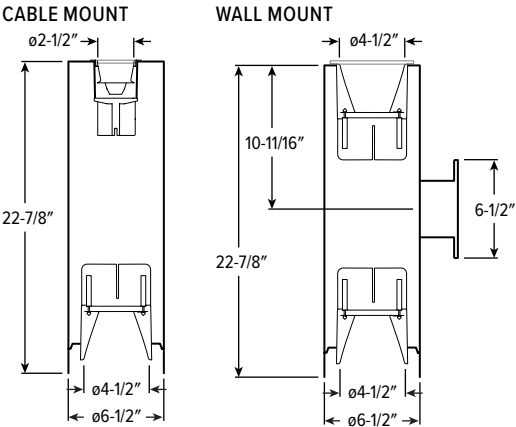


6CRDI

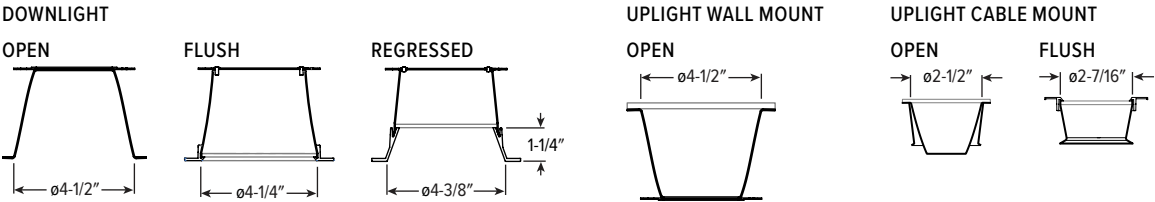
PoE | tunable WHITE

6.5" Direct/Indirect Cylinder – Round

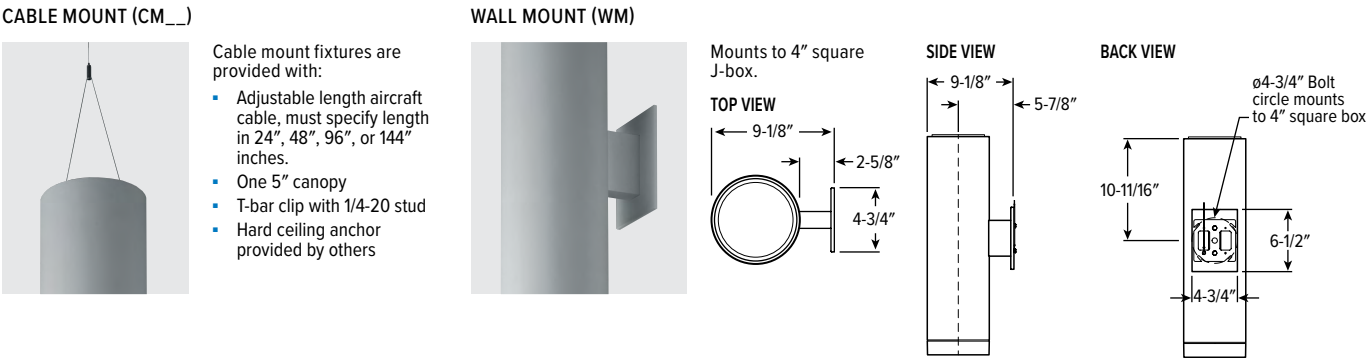
CROSS SECTIONS



TRIM TYPE DETAILS



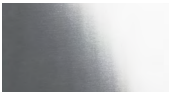
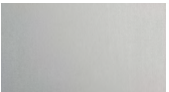

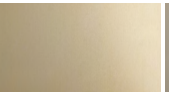



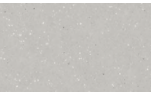
MOUNTING DETAILS



HOUSING FINISH DETAILS



REFLECTOR FINISH DETAILS

Smooth Finish							
SPC	SG	PW	GD	CG	RG	CS	AL
							
Textured Finish							
WH	BL	BZ	NK	SV			
