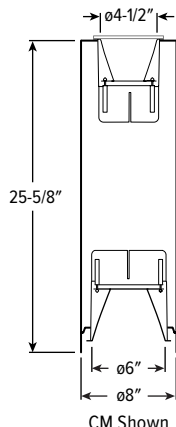


8CRDI PoE | tunable WHITE

8" Direct/Indirect Cylinder – Round



CATALOG #: _____

TYPE: _____

PROJECT: _____

FEATURES

TrimLock®



- Deliver scalable, data-driven smart buildings with PoE-enabled fixtures and controls
- High-output illumination for tall ceilings

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 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: 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 ^[1]
8CRDI - TL	Specify lumen packages: U for Uplight and D for Downlight	ALUM Silver sparkle aluminum	POE PR Power over Ethernet-ready
TrimLock	LUMENS ^[2] CRI CCT U OR D	BLK Textured black	
	P16 1,600lm 8 80 27 2700K U Uplight	BRZ Textured bronze	
	P29 2,900lm 9 90 ^[3] 30 3000K D Downlight	NKL Textured nickel	
	P46 4,600lm 35 3500K	SLV Textured silver	
	P62 6,200lm 40 4000K	WHT Textured white	
	50 5000K		
	TW Tunable white (80 CRI, 2700K–5000K)		

TRIM

TRIM TYPE AND DISTRIBUTION^[4]

(Example Uplight/Downlight: LW/LM)

TRIM TYPE	DISTRIBUTION
Uplight	Uplight
O Open reflector with clear glass shield ^[9]	W 65° Wide
L Flush lens ^[10]	M 35° Medium ^[11]
	N 10° Narrow ^[12]
Downlight	Downlight
O Open reflector	W 65° Wide
L Flush lens	M 35° Medium ^[11]
R Regressed lens	N 10° Narrow ^[14]

REFLECTOR FINISH^[5]

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 ^[6]
PD	Diffuse 1/8" polycarbonate lens ^[7]
TD	Diffuse polycarbonate lens media at top of open reflector ^[8]

MOUNTING

MOUNTING TYPE^[15]

CM	Adjustable aircraft cable mount, 24", 48", 96", or 144" only, must specify. Example: 24" cable = CM24 ^[16]
WM	Wall mount

NOTES

- For additional PoE connection details, consult factory.
- 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. Canopy painted white unless specified otherwise.



8CRDI PoE | tunable WHITE

8" 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	
			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)
DIST.																
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	—	—
P29	N	12.3	1495	122	1457	118	1420	115	12.3	1362	111	12.3	1240	101	—	—
	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	—	—
P46	N	25.0	2731	109	2661	106	2593	104	25.0	2489	100	25.0	2220	89	—	—
	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

		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)	
P16	DIST.	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	—

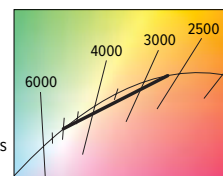
	REFLECTOR FINISH	
	CATALOG NUMBER	CONVERSION FACTOR
O TRIM	CS	1.00
	SG ^[1]	0.92
	GD	0.93
	CG	0.96
	PW	0.86
	SPC	1.02
	RG	0.88
	WH ^[1]	0.89
R TRIM	BL ^[1]	0.47
	WH	1.00
	CS ^[1]	0.98
	BL ^[1]	0.79
	BZ ^[1]	0.76
	NK ^[1]	0.81
	SV ^[1]	0.81
	AL ^[1]	0.86

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

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°

- 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.

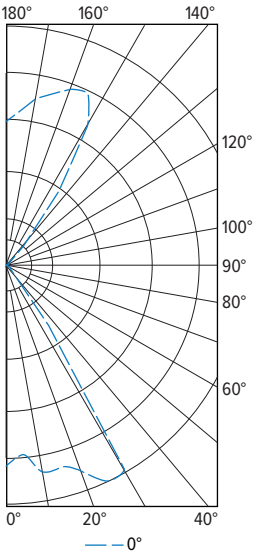


8CRDI

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

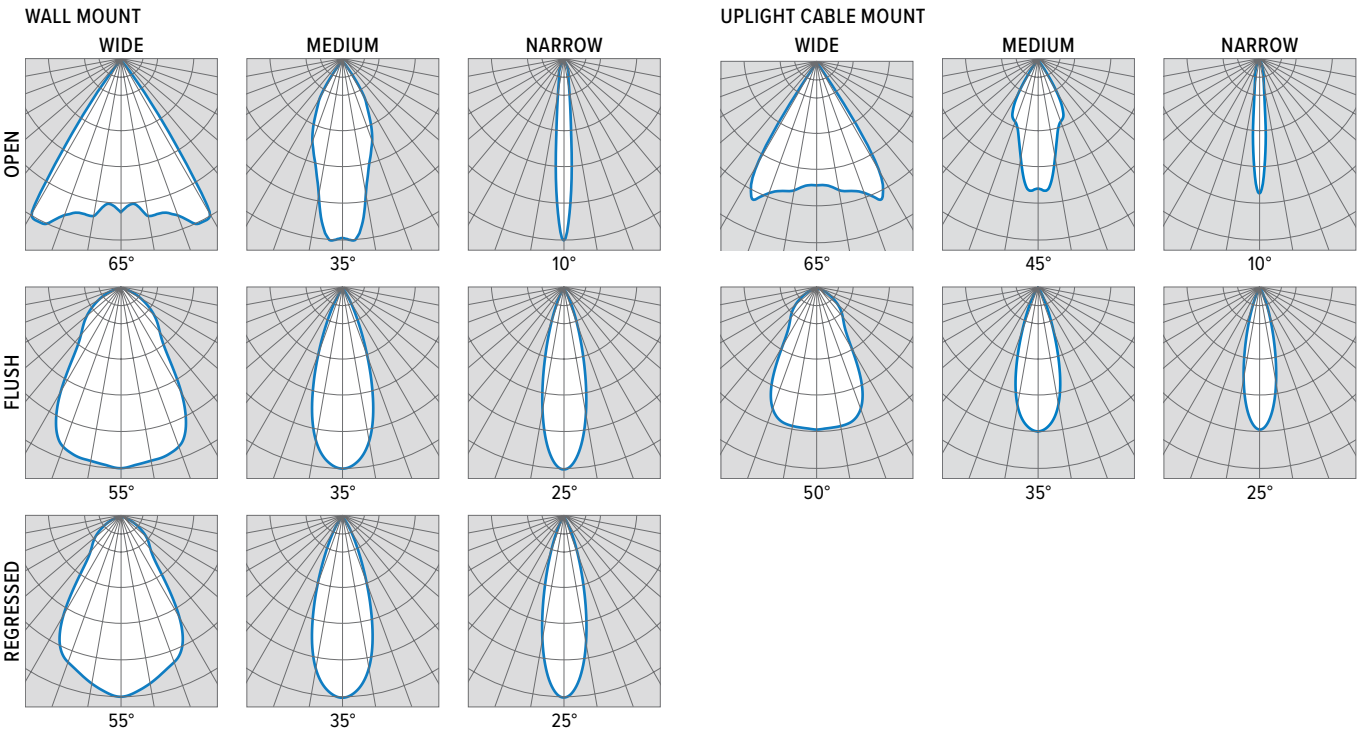
PHOTOMETRY

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

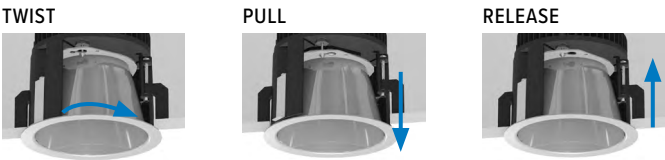


CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	2478	
	5	2340	234
	15	2571	739
	25	2937	1327
	35	895	720
	45	68	57
	55	19	20
	65	3	4
	75	0	0
	85	0	1
	90	5	
	95	6	7
	105	9	10
	115	15	15
	125	31	29
	135	79	86
	145	1119	687
	155	2350	1047
	165	2179	622
	175	1905	188
	180	1767	

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



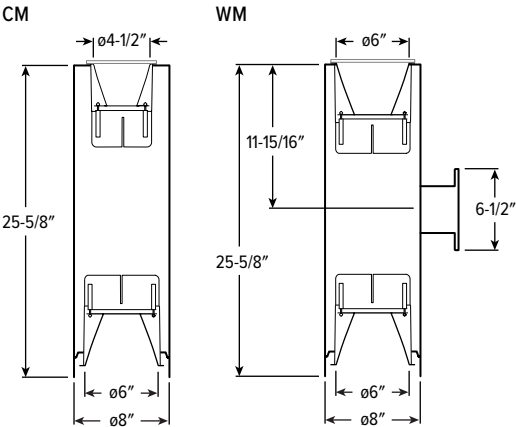
TRIMLOCK DETAILS



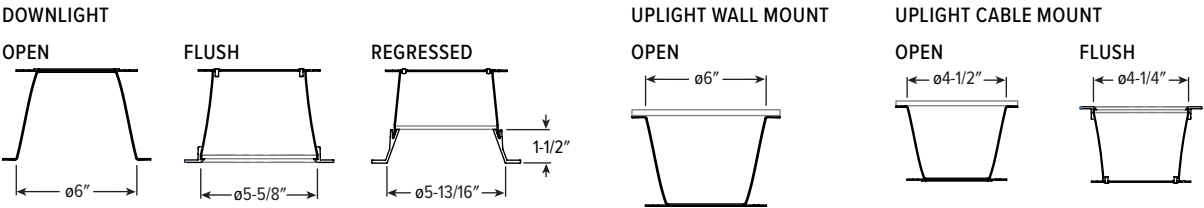
8CRDI

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

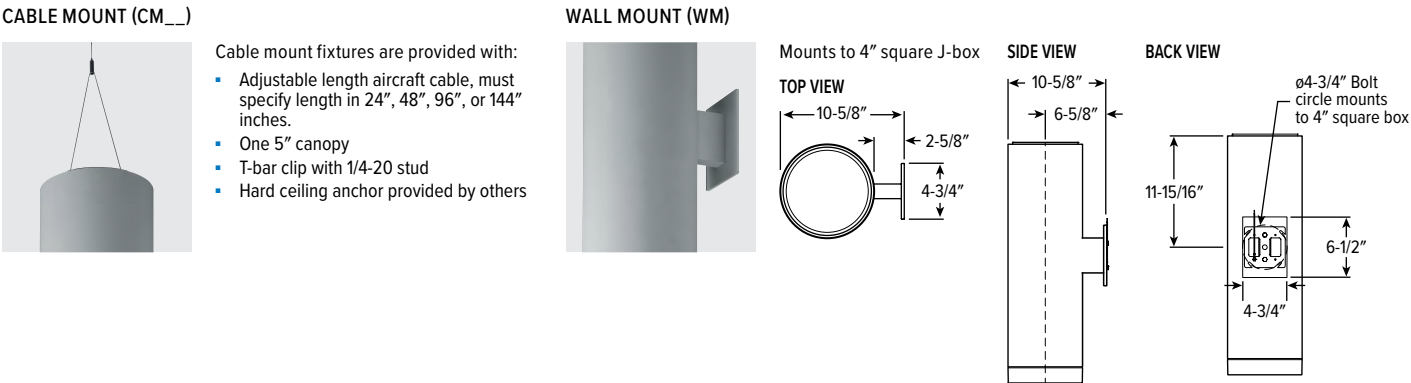
CROSS SECTIONS



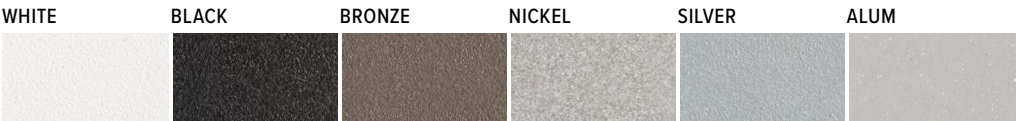
TRIM TYPE DETAILS



MOUNTING DETAILS

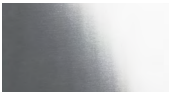
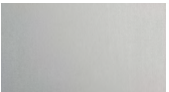

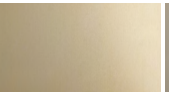



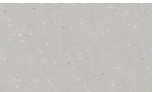


HOUSING FINISH DETAILS



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