

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, 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. 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.

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
- 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 ^[1]
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 ^[2] CRI CCT	U OR D U Uplight D Downlight	
	P16 1,600lm 8 80 27 2700K	BLK Textured black	
	P29 2,900lm 9 90 ^[3] 30 3000K	BRZ Textured bronze	
	P46 4,600lm 35 3500K	NKL Textured nickel	
	P62 6,200lm 40 4000K	SLV Textured silver	
	50 5000K	WHT Textured white	
	TW Tunable white (80 CRI, 2700K–5000K)		

TRIM

TRIM TYPE AND DISTRIBUTION ^[4] (Example Uplight/Downlight: LW/LM)	REFLECTOR FINISH ^[5]	TRIM OPTIONS
TRIM TYPE	Downlight Open Trim Types	AD Diffuse acrylic lens ^[6]
DISTRIBUTION	CS Clear semi-specular anodize	PD Diffuse 1/8" polycarbonate lens ^[7]
Uplight	SG Satin-glow anodize	TD Diffuse polycarbonate lens media at top of open reflector ^[8]
O Open reflector with clear glass shield ^[9]	GD Gold anodize	
L Flush lens ^[10]	CG Champagne gold anodize	
	PW Pewter anodize	
	SPC Clear specular anodize	
Downlight	RG Rose gold anodize	
O Open reflector	WH White texture powder coat	
L Flush lens	BL Black texture powder coat	
R Regressed lens	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	

MOUNTING

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

NOTES

- See page 5 for NODE CONNECTION DETAILS. For additional PoE info, see 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
- 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.
- 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. 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)	
P16	W	12.3	1611	131	1344	109	1301	106	12.3	1468	119	1333	108	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	2434	97	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	3787	101	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	5103	102	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		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)	
P16	W	12.3	1343	109	1120	91	1084	88	12.3	1224	99	1111	90	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	2254	90	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	3372	90	37.5	3709	99	3372	90
	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	3912	90	43.5	4302	99	3912	90
	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	–

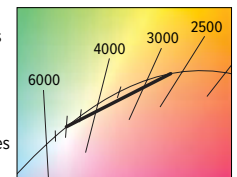
	REFLECTOR FINISH	
	CATALOG NUMBER	CONVERSION FACTOR
O TRIM	CS	1.00
	SG ⁽¹⁾	0.92
	GD	0.93
	CG	0.96
	PW	0.86
	SPC	1.02
	RG	0.88
	WH ⁽¹⁾	0.89
	BL ⁽¹⁾	0.47
	R TRIM	WH
CS ⁽¹⁾		0.98
BL ⁽¹⁾		0.79
BZ ⁽¹⁾		0.76
NK ⁽¹⁾		0.81
SV ⁽¹⁾		0.81
AL ⁽¹⁾		0.86

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	FLUSH	OPEN	FLUSH	
W	65°	55°	55°	65°	55°	65°	50°	
M	35°	35°	35°	35°	35°	45°	35°	
N	10°	25°	25°	10°	25°	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.

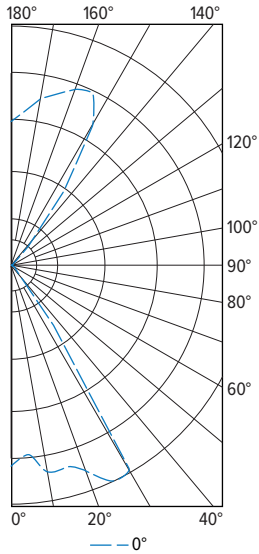


8CRDI PoE | tunable WHITE

8" Direct/Indirect Cylinder – Round

PHOTOMETRY

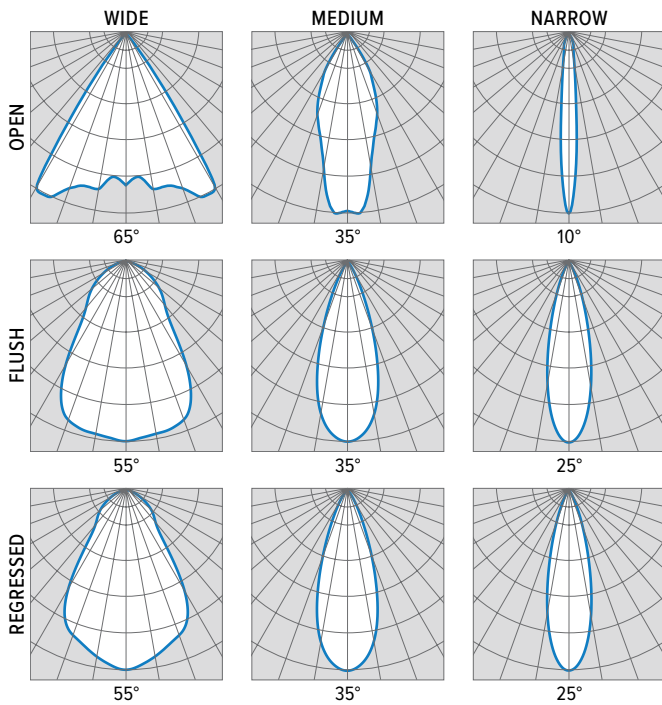
8CRDI-TL-P29/835U/P29/835D-POE PR-OW/OW-CS-WM Total Luminaire Output: 5792 lumens; 50 Watts | Efficacy: 116 lm/W | 80 CRI; 3500K CCT



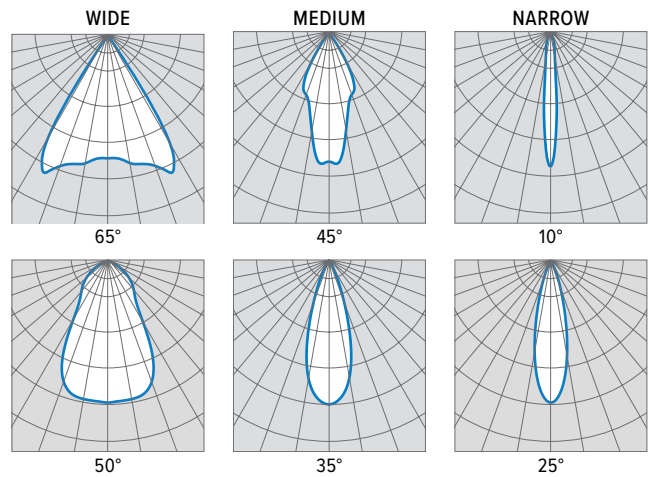
VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
	0°	
0	2478	
5	2340	234
15	2571	739
25	2937	1327
35	895	720
45	68	57
55	19	20
65	3	4
75	0	0
85	0	1
90	5	
95	6	7
105	9	10
115	15	15
125	31	29
135	79	86
145	1119	687
155	2350	1047
165	2179	622
175	1905	188
180	1767	

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	

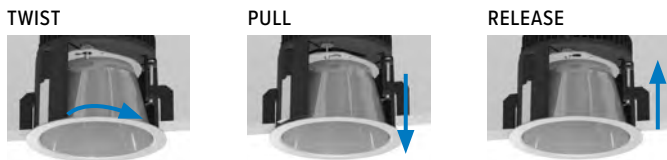
DOWNLIGHT | UPLIGHT WALL MOUNT



UPLIGHT CABLE MOUNT



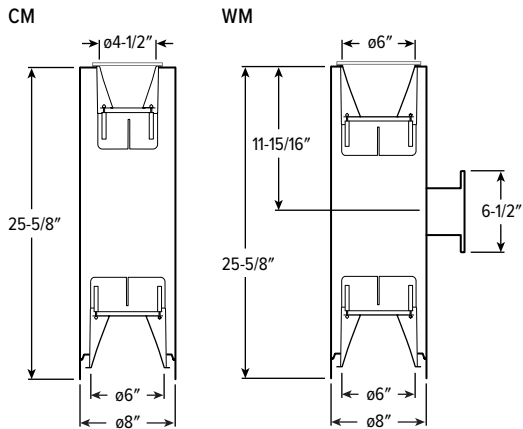
TRIMLOCK DETAILS



8CRDI PoE | tunable WHITE

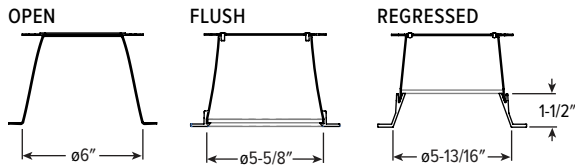
8" Direct/Indirect Cylinder – Round

CROSS SECTIONS

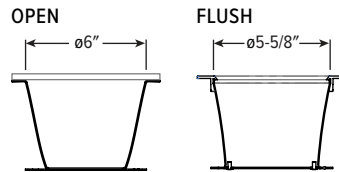


TRIM TYPE DETAILS

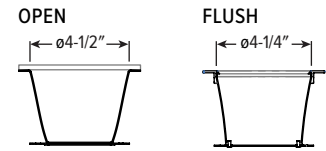
DOWNLIGHT



UPLIGHT WALL MOUNT



UPLIGHT CABLE MOUNT



MOUNTING DETAILS

CABLE MOUNT (CM__)

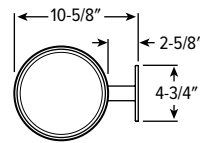


- Cable mount fixtures are provided with:
- Adjustable length aircraft cable, must specify length in inches
 - Low-voltage cord in choice of white or black, see Low-voltage Cord Options for ordering info
 - One 5" canopy
 - T-bar clip with 1/4-20 stud
 - Hard ceiling anchor provided by others

WALL MOUNT (WM)



Mounts to 4" square J-box



LOW-VOLTAGE CORD OPTIONS

Must specify low-voltage cord when cable mounting.

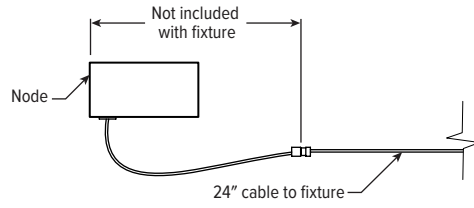
ORDERING EXAMPLE: P24/W		
CORD TYPE	LENGTH	COLOR
P PoE	24 24"	/W White
	48 48"	/B Black
	96 96"	



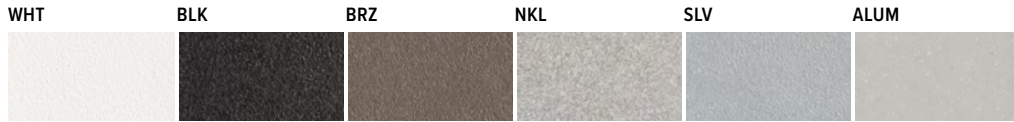
8CRDI PoE | tunable **WHITE** 8" Direct/Indirect Cylinder – Round

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



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

