

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

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

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

**FEATURES**

**TrimLock® | TwistLock™**

- Create scalable, highly functioning smart buildings with Platformatics Power over Ethernet controls
- Support human-centric design with adaptive, individualized lighting using tunable white light
- Ensure a simple and secure installation with TwistLock™ surface mount technology

**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** – Surface, cable, pendant, or wall mount. Indoor applications only. Max weight 9-1/2 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:** 6CR - TL - P28/835 - WHT - POE PR - OW - CS - TRIM OPTIONS - CM  
 HOUSING TRIM MOUNT.

**HOUSING**

SERIES	LUMENS <sup>[1]</sup>	CRI	CCT	HOUSING FINISH <sup>[2]</sup>	CONTROL <sup>[3]</sup>
6CR - TL	P15 1,500lm	8 80	27 2700K	ALUM Silver sparkle aluminum	POE PR Power over Ethernet, Platformatics-ready
TrimLock	P28 2,800lm	9 90 <sup>[4]</sup>	30 3000K	BLK Textured black	
	P44 4,400lm		35 3500K	BRZ Textured bronze	
	P62 6,200lm		40 4000K	NKL Textured nickel	
			50 5000K	SLV Textured silver	
			TW Tunable white (80 CRI, 2700K–5000K)	WHT Textured white	

**TRIM**

TRIM TYPE	DISTRIBUTION <sup>[5]</sup>	REFLECTOR FINISH <sup>[6]</sup>	TRIM OPTIONS
O Open reflector	W 65° Wide	<b>Open Trim Types</b>	AD Diffuse acrylic lens <sup>[11]</sup>
L Flush lens <sup>[7]</sup>	M 45° Medium <sup>[9]</sup>	CS Clear semi-specular anodize	PD Diffuse 1/8" polycarbonate lens <sup>[12]</sup>
R Regressed lens <sup>[8]</sup>	N 10° Narrow <sup>[10]</sup>	SG Satin-glow anodize	TD Diffuse polycarbonate lens media at top of open reflector <sup>[13]</sup>
		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	
		<b>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>[14]</sup>**

- **CM\_\_** Adjustable aircraft cable mount, 24" length standard. Example: 24" cable = **CM24** <sup>[15]</sup>
- **PM\_\_** Pendant mount. Example: 24" pendant = **PM24** <sup>[16]</sup>
- **SM** TwistLock surface mount to octagonal J-box
- **WM** Wall mount

**NOTES**

- 1 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
- 2 See page 4 for HOUSING FINISH DETAILS.
- 3 See page 3 for NODE CONNECTION DETAILS. For additional PoE info, see [hew.com/poe](http://hew.com/poe).
- 4 Extended lead times may apply. Consult factory for availability. Not available with Tunable White.
- 5 Beam angle based on O Trim Type and CS reflector finish. Trim Type affects beam angle. See page 2 for FIXTURE PERFORMANCE DATA.
- 6 See page 4 for REFLECTOR FINISH DETAILS.
- 7 Not available with P62 lumen package.
- 8 Not available with P62 lumen package.
- 9 Not available with P44 lumen package when specified with L or R Trim Types.
- 10 Not available with P44 lumen package when specified with L or R Trim Types.
- 11 Not available with O trim type. W distribution only.
- 12 Not available with O trim type. W distribution only.
- 13 O Trim Type only. Not available with P62 lumen package.
- 14 See page 4 for MOUNTING DETAILS.
- 15 48" and 96" lengths available. Canopy painted white unless specified otherwise. Must specify low-voltage cord. See page 4 for LOW-VOLTAGE CORD OPTIONS.
- 16 Specify length in 1" increments, minimum 6". Canopy and pendant match fixture housing color unless specified otherwise.

### FIXTURE PERFORMANCE DATA

#### STATIC WHITE

	DIST.	WATTAGE	OPEN REFLECTOR		FLUSH LENS		REGRESSED LENS	
			DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)
P15	W	12.3	1537	125.5	1196	97.6	1208	98.6
	M	12.3	1480	120.8	1356	110.7	1361	111.1
	N	12.3	1426	116.4	1365	111.4	1372	112.0
P28	W	25.0	2835	113.9	2196	87.8	2219	88.8
	M	25.0	2719	108.8	2491	99.6	2499	100.0
	N	25.0	2619	104.8	2507	100.3	2520	100.8
P44	W	37.5	4408	117.5	3430	91.5	3466	92.4
	M	37.5	4234	112.9	-	-	-	-
	N	37.5	4039	107.7	-	-	-	-
P62	W	50.0	6151	123.0	-	-	-	-
	M	50.0	5822	116.4	-	-	-	-
	N	50.0	5612	112.2	-	-	-	-

#### TUNABLE WHITE

	DIST.	WATTAGE	OPEN REFLECTOR		FLUSH LENS		REGRESSED LENS	
			DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)
P15	W	12.3	1311	107.0	1020	83.3	1031	84.1
	M	12.3	1263	103.1	1157	94.4	1161	94.7
	N	12.3	1216	99.3	1164	95.1	1170	95.5
P28	W	25.0	2649	105.9	2061	82.4	2083	83.3
	M	25.0	2544	101.8	2337	93.5	2345	93.8
	N	25.0	2427	97.1	2353	94.1	2364	94.6
P44	W	37.5	3473	93	2664	71	2691	72
	M	37.5	3367	90	-	-	-	-
	N	37.5	3222	86	-	-	-	-
P62	W	43.5	4028	93	-	-	-	-
	M	43.5	3905	90	-	-	-	-
	N	43.5	3738	86	-	-	-	-

#### MULTIPLIER TABLES

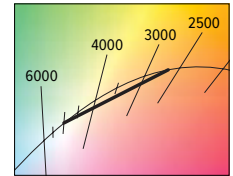
	COLOR TEMPERATURE		
	CCT	LUMENS	
		STANDARD	TUNABLE WHITE
80 CRI	2700K	0.92	0.83
	3000K	0.98	1.00
	3500K	1.00	0.99
	4000K	1.01	1.00
	5000K	1.02	0.98
90 CRI	2700K	0.76	-
	3000K	0.79	-
	3500K	0.82	-
	4000K	0.84	-
	5000K	0.88	-

	REFLECTOR FINISH	
	CATALOG NUMBER	CONVERSION FACTOR
O TRIM	CS	1.00
	SG <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
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

#### BEAM ANGLE

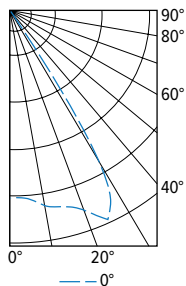
	TRIM TYPE		
	OPEN	FLUSH	REGRESSED
W	65°	50°	50°
M	45°	35°	30°
N	10°	25°	25°



- 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 and efficacy data shown do not account for node losses.
  - Use multiplier tables to calculate additional options.

#### PHOTOMETRY

6CR-TL-P28/835-POE PR-OW-CS Total Luminaire Output: 2835 lumens; 25.0 Watts | Efficacy: 113.4 lm/W | 80 CRI; 3500K CCT



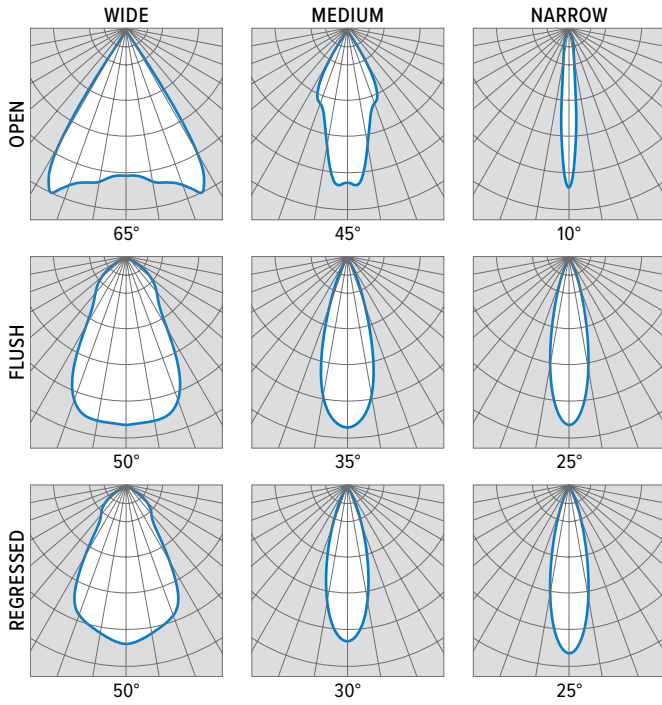
	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
CANDLEPOWER DISTRIBUTION	0	2559	
	5	2636	252
	15	2771	786
	25	3155	1460
	35	434	273
	45	62	47
	55	16	14
	65	1	2
	75	0	0
	85	0	0
	90	0	0

	ZONE	LUMENS	% FIXTURE
LUMEN SUMMARY	0 - 40	2770	98
	0 - 60	2834	100
	0 - 90	2835	100
	0-180	2835	100

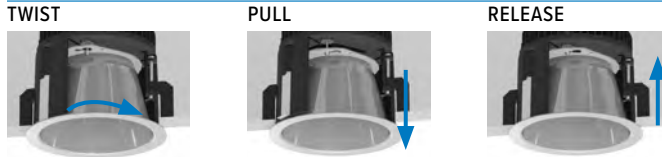


# 6CR PoE | tunable WHITE

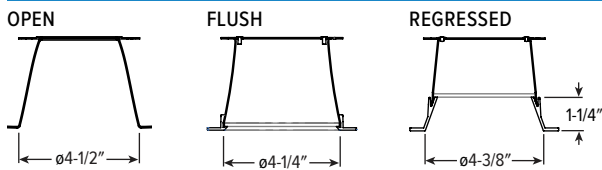
## 6.5" Cylinder – Round



### TRIMLOCK DETAILS

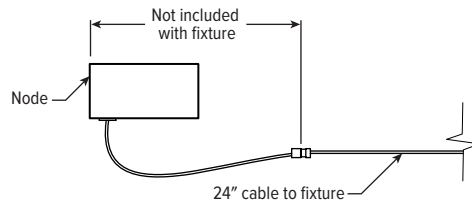


### TRIM TYPE DETAILS



### 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)



# 6CR PoE | tunable WHITE

## 6.5" Cylinder – Round

### MOUNTING DETAILS

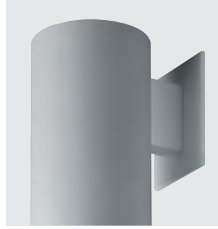
#### PENDANT MOUNT (PM\_\_)



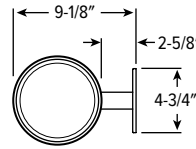
Swivel pendant mount fixtures are provided with:

- 45° Swivel canopy
- 3/8" IPS Threaded stem
- Specify length of stem, 6" minimum, 24" default length

#### WALL MOUNT (WM)



Mounts to 4" square J-box.



#### SURFACE MOUNT (SM)



**TwistLock™**  
Simple lift-and-twist mounting secures fixture to J-box.

#### CABLE MOUNT (CM\_\_)



Cable mount fixtures are provided with:

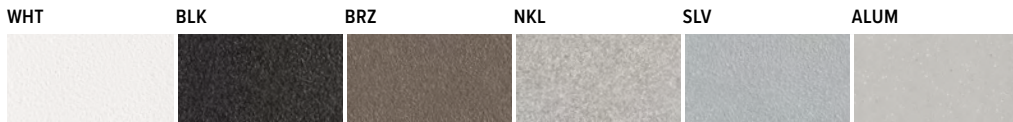
- Adjustable length aircraft cable, must specify length in inches
- Low-voltage cord in choice of white or black, see Low-voltage Cord Options for ordering info
- One 5" canopy
- T-bar clip with 1/4-20 stud
- Hard ceiling anchor provided by others

### 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"	

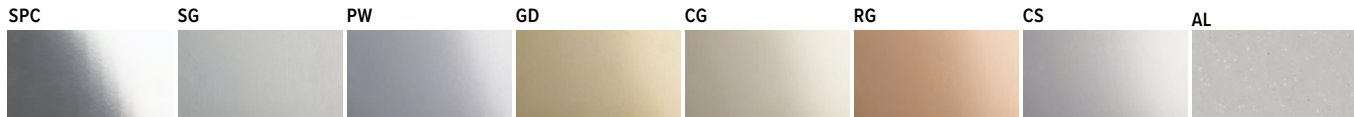
### HOUSING FINISH DETAILS



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

