

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

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

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

## FEATURES

### TrimLock® | TwistLock™

- Wide range of lumen options for general illumination
- Create a comfortable, welcoming ambiance using warm dimming technology to provide intimate lighting
- Parallel the performance and style of the Williams downlight collection
- Precision illumination with 10° narrow to 65° wide optics
- Complement the architectural elements of any space with a multitude of housing, trim and cord finishes
- Limitless application opportunities via pendant, cable, power cord, wall and ceiling mounts
- 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 C.O.B. LED array. Modular quick-connect plug for easy field-connection of LED light assembly to driver. Reported L70>55,000 hours. Reported L90>55,000 hours. Estimated L70 = 200,000 hours.
- MOUNTING** – Surface, cable, pendant, power cord, 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).

ORDERING EXAMPLE: **6CR - TL - L24/9DW - OPTIONS - WHT - DIM - UNV - OW - CS - TRIM OPTIONS - CM**  
HOUSING TRIM MOUNT.

## HOUSING

SERIES	LUMENS <sup>[1]</sup>	COLOR	OPTIONS	HOUSING FINISH <sup>[2]</sup>	CONTROL	VOLTAGE
<b>6CR - TL</b>	<b>L8</b> 800lm	<b>9DW</b> Dim to warm (95 CRI, 1800K – 3000K)	<b>F</b> Fuse	<b>ALUM</b> Silver sparkle aluminum	<b>DIM</b> Dimming driver, 0-10V	<b>UNV</b> 120-277V
TrimLock	<b>L15</b> 1,500lm <b>L24</b> 2,400lm		<b>SDT</b> Stepdown transformer <sup>[3]</sup>	<b>BLK</b> Textured black <b>BRZ</b> Textured bronze <b>NKL</b> Textured nickel <b>SLV</b> Textured silver <b>WHT</b> Textured white	<b>LUT</b> Lutron Ecosystem enabled	<b>347</b> 347V

## TRIM

TRIM TYPE	DISTRIBUTION <sup>[4]</sup>	REFLECTOR FINISH <sup>[5]</sup>	TRIM OPTIONS
<b>O</b> Open reflector	<b>W</b> 65° Wide	<b>Open Trim Types</b>	<b>AD</b> Diffuse acrylic lens <sup>[6]</sup>
<b>L</b> Flush lens	<b>M</b> 45° Medium	<b>CS</b> Clear semi-specular anodize	<b>PD</b> Diffuse 1/8" polycarbonate lens <sup>[7]</sup>
<b>R</b> Regressed lens	<b>N</b> 10° Narrow	<b>SG</b> Satin-glow anodize	<b>TD</b> Diffuse polycarbonate lens media at top of open reflector <sup>[8]</sup>
		<b>GD</b> Gold anodize	
		<b>CG</b> Champagne gold anodize	
		<b>PW</b> Pewter anodize	
		<b>SPC</b> Clear specular anodize	
		<b>RG</b> Rose gold anodize	
		<b>WH</b> White texture powder coat	
		<b>BL</b> Black texture powder coat	
		<b>Lens Trim Types</b>	
		<b>CS</b> Clear semi-specular powder coat	
		<b>WH</b> White texture powder coat	
		<b>BL</b> Black texture powder coat	
		<b>BZ</b> Bronze texture powder coat	
		<b>NK</b> Nickel texture powder coat	
		<b>SV</b> Silver texture powder coat	
		<b>AL</b> Silver sparkle aluminum	

## MOUNTING

### MOUNTING TYPE <sup>[9]</sup>

- CM**\_\_\_ Adjustable aircraft cable mount, 24" length standard. Example: 24" cable = **CM24** <sup>[10]</sup>
- PM**\_\_\_ Pendant mount. Example: 24" pendant = **PM24** <sup>[11]</sup>
- PC**\_\_\_ Power cord mount. Example: 24" cord = **PC24** <sup>[12]</sup>
- SM** TwistLock surface mount to octagonal J-box
- WM** Wall mount

## NOTES

- Lumen output based on O trim type, W distribution and CS finish, 3000K/95CR. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA
- See page 4 for HOUSING FINISH DETAILS.
- May be required for 347V, see product builder at [hew.com/product-builder](http://hew.com/product-builder). Increases fixture weight by 2 lbs.
- Beam angle based on O Trim Type and CS reflector finish. Trim Type affects beam angle. See page 2 for FIXTURE PERFORMANCE DATA.
- See page 4 for REFLECTOR FINISH DETAILS.
- Not available with O trim type. W distribution only.
- Not available with O trim type. W distribution only.
- O Trim Type only.
- See page 4 for MOUNTING DETAILS.
- 48" and 96" lengths available. Canopy painted white unless specified otherwise. Must specify cord. See page 4 for CORD OPTIONS.
- Specify length in 1" increments, minimum 6". Canopy and pendant match fixture housing color unless specified otherwise.
- 48" and 96" lengths available. Canopy painted white unless specified otherwise. Must specify cord. See page 4 for CORD OPTIONS.



# 6CR dim to WARM

## 6.5" Cylinder – Round

### FIXTURE PERFORMANCE DATA

	CCT AT 100% (FULL OUTPUT)	CCT AT 1% (FULL DIM)	DISTRIBUTION	WATTAGE	OPEN REFLECTOR TRIM TYPE		FLUSH LENS TRIM TYPE		REGRESSED LENS TRIM TYPE	
					DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)
L8	3000K	1800K	W	14.0	862	61.6	670	47.9	678	48.4
			M	14.0	830	59.3	760	54.3	763	54.5
			N	14.0	800	57.1	765	54.7	769	54.9
L15			W	23.4	1511	64.6	1175	50.3	1188	50.8
			M	23.4	1455	62.3	1333	57.0	1337	57.2
			N	23.4	1402	60.0	1242	57.4	1348	57.7
L24			W	37.7	2228	59.1	1925	51.1	1945	51.6
			M	37.7	2226	59.0	1995	52.9	1997	52.9
			N	37.7	2228	59.1	2197	58.3	2208	58.6

### MULTIPLIER TABLES

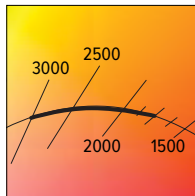
REFLECTOR FINISH	
CATALOG NUMBER	CONVERSION FACTOR
CS	1.00
SG <sup>[1]</sup>	0.92
GD	0.93
CG	0.96
PW	0.86
SPC	1.02
RG	0.88
WH <sup>[1]</sup>	0.89
BL <sup>[1]</sup>	0.47

O TRIM	
CATALOG NUMBER	CONVERSION FACTOR
WH	1.00
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

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

### BEAM ANGLE

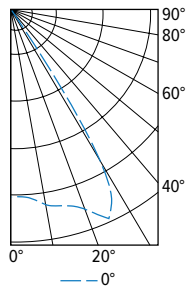
	TRIM TYPE		
	OPEN	FLUSH	REGRESSED
W	65°	50°	50°
M	45°	35°	30°
N	10°	25°	25°



- <sup>1</sup> Distribution will also be affected, consult factory.
- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Wattage shown is based on 120V input.
- Results based on 3000K/95CRI, actual lumens may vary +/-5%.
- Use multiplier tables to calculate additional options.

### PHOTOMETRY

6CR-TL-L24/9DW-DIM-UNV-OW-CS Total Luminaire Output: 2228 lumens; 37.7 Watts | Efficacy: 59.1 lm/W | 95.0 CRI; 3000K CCT



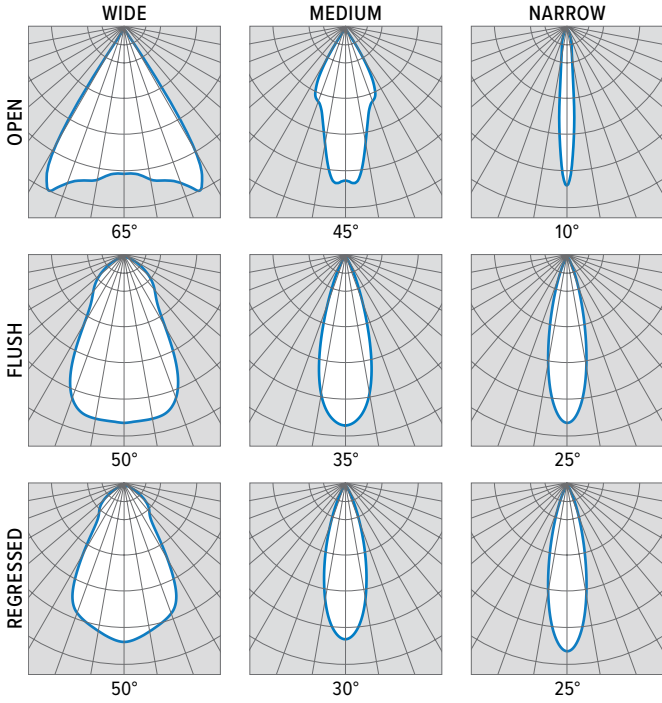
CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	2011	
	5	2071	198
	15	2178	617
	25	2479	1147
	35	341	215
	45	49	38
	55	12	11
	65	1	1
	75	0	0
	85	0	0
	90	0	0

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	2176	98
	0 - 60	2226	100
	0 - 90	2228	100
	0-180	2228	100

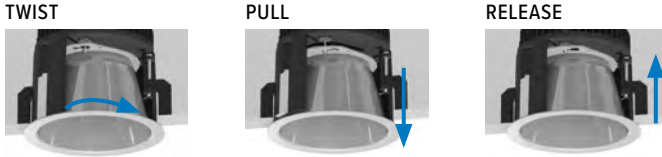


# 6CR dim to WARM

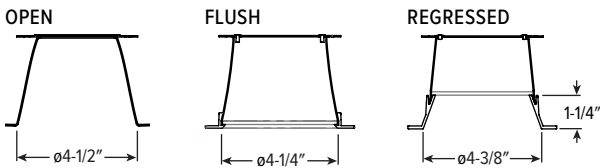
6.5" Cylinder – Round



## TRIMLOCK DETAILS



## TRIM TYPE DETAILS



# 6CR dim to WARM 6.5" Cylinder – Round

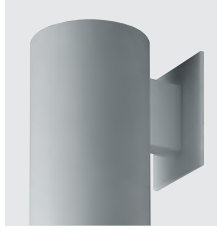
## MOUNTING DETAILS

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

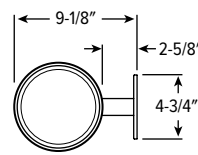


- Swivel pendant mount fixtures are provided with:
- 45° Swivel canopy
  - 3/8" IPS Threaded stem
  - Specify length of stem, 6" minimum, 24" default length

### 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
  - 18-gauge cord in choice of 9 colors, see Cord Options for ordering info.
  - One 5" canopy
  - T-bar clip with 1/4-20 stud
  - Hard ceiling anchor provided by others

### POWER CORD MOUNT (PC)



- Power cord mount fixtures are provided with:
- 18-gauge cord in choice of 9 colors, see Cord Options for ordering info.
  - One 5" canopy
  - Power cord mounting adaptor

## CORD OPTIONS

Must specify cord when cable and power cord mounting.

ORDERING EXAMPLE: S2438/W				
CORD TYPE	LENGTH	# CONDUCTORS	WIRE SIZE	COLOR
S Straight	24 24"	3 3	8 18-gauge	Standard
	48 48"	4 4 <sup>(1)</sup>		/W White
	96 96"	5 5		/B Black
		6 6 <sup>(1)</sup>		Braided
				/WH White
				/BL Black
			/BR Brass	
			/AE Aegean Blue	
			/RE Red	
			/SV Silver	
			/GU Gunmetal	
			/NK Nickel	
			/GR Gray	

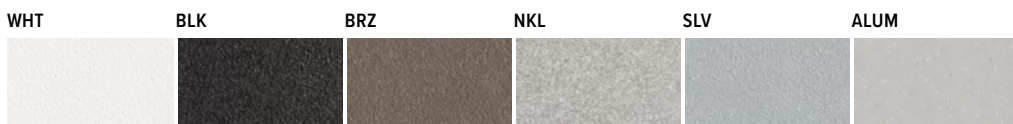
<sup>1</sup> Standard cord only.

## COLOR DETAILS

Additional colors may be available, consult factory.



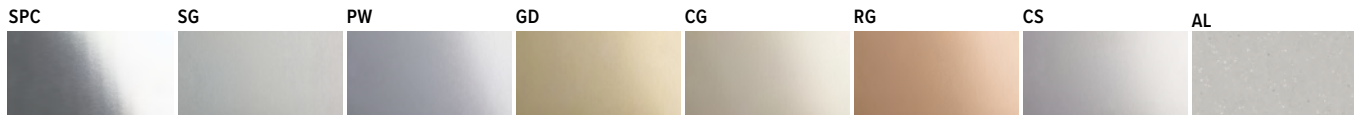
## HOUSING FINISH DETAILS



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

