

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

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

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

## FEATURES

### TrimLock® | TwistLock™

- Wide range of lumen options for general illumination
- 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 - L20/835 - OPTIONS - WHT - DIM - UNV - OW - CS - TRIM OPTIONS - CM**  
 HOUSING TRIM MOUNT.

## HOUSING

SERIES	LUMENS <sup>[1]</sup>	CRI	CCT	OPTIONS	HOUSING FINISH <sup>[2]</sup>	CONTROL <sup>[3]</sup>	VOLTAGE
<b>6CR - TL</b>	<b>L10</b> 1,000lm	<b>8</b> 80	<b>27</b> 2700K	<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>9</b> 90 <sup>[5]</sup>	<b>30</b> 3000K	<b>SDT</b> Stepdown transformer <sup>[6]</sup>	<b>BLK</b> Textured black	<b>DIM1</b> 1% Dimming driver, 0-10V	<b>347</b> 347V
	<b>L20</b> 2,000lm		<b>35</b> 3500K		<b>BRZ</b> Textured bronze		
	<b>L30</b> 3,000lm		<b>40</b> 4000K		<b>NKL</b> Textured nickel		
	<b>L40</b> 4,000lm		<b>50</b> 5000K		<b>SLV</b> Textured silver		
	<b>L50</b> 5,000lm				<b>WHT</b> Textured white		
	<b>L60</b> 6,000lm						
	<b>L70</b> 7,000lm <sup>[4]</sup>						

## TRIM

TRIM TYPE	DISTRIBUTION <sup>[7]</sup>	REFLECTOR FINISH <sup>[8]</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>[11]</sup>
<b>L</b> Flush lens	<b>M</b> 45° Medium <sup>[9]</sup>	<b>CS</b> Clear semi-specular anodize	<b>PD</b> Diffuse 1/8" polycarbonate lens <sup>[12]</sup>
<b>R</b> Regressed lens	<b>N</b> 10° Narrow <sup>[10]</sup>	<b>SG</b> Satin-glow anodize	<b>TD</b> Diffuse polycarbonate lens media at top of open reflector <sup>[13]</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>[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>
- PC**\_\_\_ Power cord mount. Example: 24" cord = **PC24**<sup>[17]</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, 3500K/80CRI. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA
- See page 4 for HOUSING FINISH DETAILS.
- See page 3 for ADDITIONAL CONTROL OPTIONS.
- O Trim Type only.
- Extended lead times may apply. Consult factory for availability.
- 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 lumen stops L50 and higher when specified with flush or regressed trim types.
- Not available with lumen stops L50 and higher when specified with flush or regressed trim types.
- Not available with O trim type. W distribution only.
- Not available with O trim type. W distribution only.
- O Trim Type only. L50 lumen package max.
- 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 LED 6.5" Cylinder – Round

## FIXTURE PERFORMANCE DATA

	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)
L10	W	9.0	1027	113.6	674	74.6	660	73.0
	M	9.0	999	110.5	895	99.0	895	99.1
	N	9.0	1000	110.6	914	101.2	882	97.7
L15	W	13.9	1466	105.8	994	71.7	972	70.2
	M	13.9	1471	106.2	1319	95.1	1319	95.2
	N	13.9	1473	106.3	1347	97.2	1300	93.8
L20	W	19.8	2005	101.0	1352	68.3	1323	66.2
	M	19.8	2002	101.0	1794	90.6	1795	90.8
	N	19.8	2004	101.1	1833	92.6	1769	88.5
L30	W	27.8	2985	107.3	2022	72.7	1979	71.1
	M	27.8	2900	104.2	2683	96.5	2685	96.5
	N	27.8	2734	98.3	2741	98.6	2646	95.1
L40	W	38.0	3979	104.7	2695	70.9	2638	69.4
	M	38.0	3865	101.7	3577	94.1	3579	94.2
	N	38.0	3644	95.9	3654	96.2	3527	92.8
L50	W	45.2	5124	113.4	3364	74.4	3292	72.8
	M	45.2	4956	109.6	-	-	-	-
	N	45.1	4818	106.8	-	-	-	-
L60	W	47.7	6279	131.6	4234	88.8	4143	86.9
	M	47.7	6073	127.3	-	-	-	-
	N	47.7	5903	123.8	-	-	-	-
L70	W	58.2	7332	126.0	-	-	-	-
	M	58.2	7091	121.8	-	-	-	-
	N	58.2	6894	118.4	-	-	-	-

## MULTIPLIER TABLES

	COLOR TEMPERATURE	
	CCT	CONVERSION FACTOR
80 CRI	2700K	0.92
	3000K	0.98
	3500K	1.00
	4000K	1.01
	5000K	1.02
90 CRI	2700K	0.76
	3000K	0.79
	3500K	0.82
	4000K	0.84
	5000K	0.88

TRIM	
CATALOG NUMBER	CONVERSION FACTOR
AD	0.85
PD	0.85
TD	0.75

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

R 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

<sup>1</sup> Distribution will also be affected, consult factory.

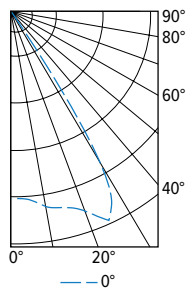
## BEAM ANGLE

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

- 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 3500K, 80 CRI, actual lumens may vary +/-5%
- Use multiplier tables to calculate additional options.

## PHOTOMETRY

6CR-TL-L20/835-DIM-UNV-OW-CS Total Luminaire Output: 2005 lumens; 19.8 Watts | Efficacy: 101.0 lm/W | 80 CRI; 3500K CCT



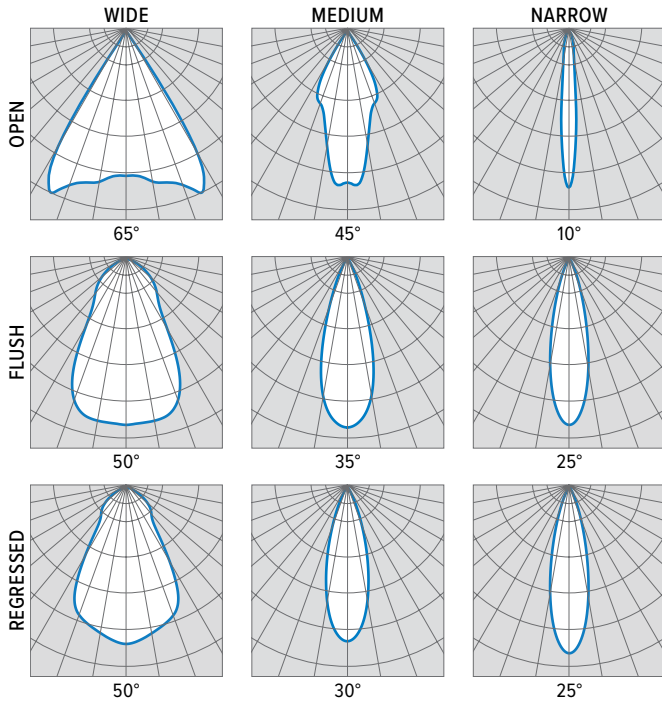
CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	1810	
	5	1864	178
	15	1960	556
	25	2231	1033
	35	307	193
	45	44	35
	55	11	10
	65	1	1
	75	0	0
	85	0	0
	90	0	0

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	1959	98
	0 - 60	2004	100
	0 - 90	2005	100
	0-180	2005	100



# 6CR LED

## 6.5" Cylinder – Round

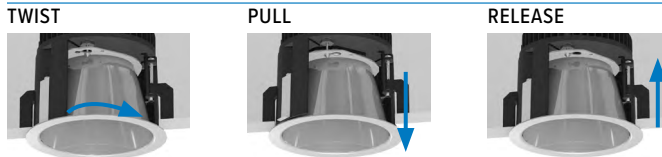


### ADDITIONAL CONTROL OPTIONS

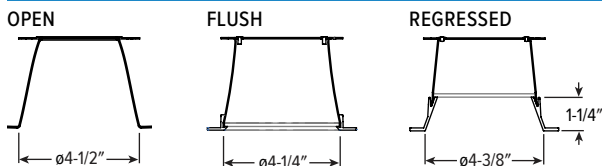
Lumen restrictions apply: L50 max for DMX driver, L40 max for Lutron drivers, L50 max for ELDO drivers, L60 max for DIM LINE driver. DMX available with CM Mounting Type only. 347V may require stepdown transformer, see product builder at [hew.com/product-builder](http://hew.com/product-builder).

CATALOG NUMBER	DESCRIPTION
DIM	Dimming driver prewired for 0-10V low voltage applications
DIM1	1% dimming driver prewired for 0-10V low voltage applications
DIM LINE	Line voltage dimming driver (TRIAC and ELV compatible at 120V only)
DMX	0.1% dimming driver for DMX controls
LTE LINE	Lutron Hi-lume 1% 2-wire dimming driver forward phase line voltage controls (120V only)
LDE1	Lutron Hi-lume 1% EcoSystem dimming LED driver
ELDO SOLOB	EldoLED Solodrive, 0.1% dimming driver for 0-10V controls
ELDO SOLOB DALI	EldoLED Solodrive, 0.1% dimming driver for DALI controls
ELDO ECO1	EldoLED Ecodrive, 1% dimming driver for 0-10V controls
ELDO ECO1 DALI	EldoLED Ecodrive, 1% dimming driver for DALI controls

### TRIMLOCK DETAILS



### TRIM TYPE DETAILS



# 6CR LED 6.5" Cylinder – Round

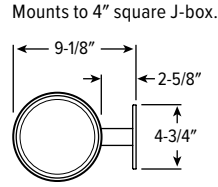
## MOUNTING DETAILS

### 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)



### 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	

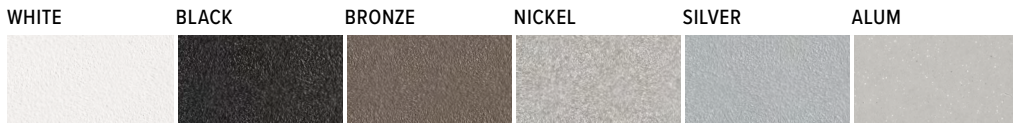
<sup>1</sup> Standard cord only.

## COLOR DETAILS

Additional colors may be available, consult factory.



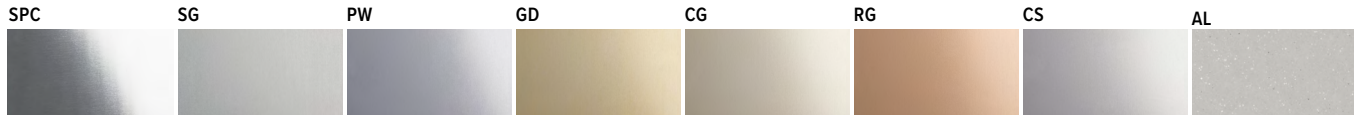
## HOUSING FINISH DETAILS



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

