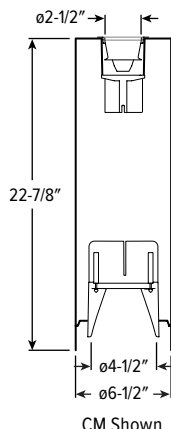


# 6CRDI tunable WHITE

## 6.5" Direct/Indirect Cylinder – Round



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

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

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

### FEATURES

#### TrimLock®

- Wide range of lumen options for general illumination
- Smoothly accent walls and eliminate dark ceilings with direct and indirect lighting
- Support human-centric design with adaptive, individualized lighting using tunable white light
- 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

### 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. 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 14-1/2 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: 6CRDI - TL - L22/8TWU/L22/8TWD - WHT - DIM - UNV - LW/LM - CS - TRIM OPTIONS - CM

### HOUSING

SERIES	LUMEN PACKAGE (Example: L22/8TWU/L13/8TWD)	HOUSING FINISH <sup>[1]</sup>	CONTROL <sup>[2]</sup>	VOLTAGE
6CRDI - TL TrimLock	Specify lumen packages: <b>U</b> for Uplight and <b>D</b> for Downlight <b>LUMENS</b> <sup>[4]</sup> <b>COLOR</b> <b>U OR D</b> <b>L13</b> 1,300lm <b>8TW</b> Tunable white (80 CRI, 2700K-5000K) <sup>[5]</sup> <b>U</b> Uplight <b>L22</b> 2,200lm <b>D</b> Downlight	<b>ALUM</b> Silver sparkle aluminum <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>DALI</b> Driver prewired for DALI applications <b>DIM</b> Dimming driver with (1) 0-10V signal to control dimming and (1) 0-10V signal to control CCT <b>DMX</b> Driver prewired for DMX applications <sup>[3]</sup> <b>PSQ</b> Lutron T-Series 2-channel tunable white 1%.	<b>UNV</b> 120-277V

### TRIM

TRIM TYPE AND DISTRIBUTION <sup>[6]</sup> (Example Uplight/Downlight: LW/LM)	REFLECTOR FINISH <sup>[7]</sup>	TRIM OPTIONS
<b>TRIM TYPE</b> <b>Uplight</b> <b>O</b> Open reflector with clear glass shield <sup>[11]</sup> <b>L</b> Flush lens <sup>[12]</sup> <b>Downlight</b> <b>O</b> Open reflector <b>L</b> Flush lens <b>R</b> Regressed lens	<b>Distribution</b> <b>Uplight</b> <b>W</b> 65° Wide <b>M</b> 45° Medium <sup>[13]</sup> <b>N</b> 10° Narrow <sup>[14]</sup> <b>Downlight</b> <b>W</b> 65° Wide <b>M</b> 45° Medium <b>N</b> 10° Narrow	<b>Downlight Open Trim Types</b> <b>CS</b> Clear semi-specular anodize <b>SG</b> Satin-glow anodize <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>Downlight 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>[15]</sup>

**CM** Adjustable aircraft cable mount, 24" length standard Example: 24" cable = **CM24** <sup>[16]</sup>  
**WM** Wall mount

#### NOTES

- See page 4 for HOUSING FINISH DETAILS.
- See page 4 for CONTROL DETAILS.
- CM Mounting Type only.
- Lumen output based on O trim type, W distribution and CS finish, 4000K/80CRI. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA.
- 90 CRI when specified with upright CM Mounting Type.
- 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.
- CS Reflector Finish standard. Other colors available, consult factory.
- Trim finish matches Housing Finish. Other colors available, consult factory.
- O Trim Type only when specified with WM Mounting Type.
- 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.



# 6CRDI tunable WHITE

## 6.5" Direct/Indirect Cylinder – Round

### FIXTURE PERFORMANCE DATA

		DOWNLIGHT								UPLIGHT WALL MOUNT					UPLIGHT CABLE MOUNT				
		WATTAGE	OPEN REFLECTOR		FLUSH LENS		REGRESSED LENS		WATTAGE	OPEN REFLECTOR		FLUSH LENS		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)	DELIVERED LUMENS	EFFICACY (lm/W)	
L13	DIST.	W	14.6	1283	88	1029	70	1040	71	14.6	1088	75	1039	71	18.3	868	47	1165	64
		M	14.6	1281	88	1148	79	1149	79	14.6	1086	74	—	—	18.3	876	48	1199	66
		N	14.6	1283	88	1175	80	1181	81	14.6	1088	75	—	—	18.3	671	37	—	—
L22		W	24.0	2289	95	1781	74	1799	75	24.0	1941	81	1799	75	22.5	1068	47	1433	64
		M	24.0	2198	92	2020	84	2026	84	24.0	1863	78	—	—	22.5	1078	48	1473	65
		N	24.0	2097	87	2033	85	2043	85	24.0	1778	74	—	—	22.5	825	37	—	—

### MULTIPLIER TABLES

COLOR TEMPERATURE				
	CCT	LUMENS		
		DOWNLIGHT	WALL	CABLE
80 CRI	2700K	0.83	0.83	–
	3000K	1.00	1.00	–
	3500K	0.99	0.99	–
	4000K	1.00	1.00	–
	5000K	0.98	0.98	–

90 CRI	2700K	–	–	0.87
	3000K	–	–	0.96
	3500K	–	–	1.02
	4000K	–	–	1.00
	5000K	–	–	1.02

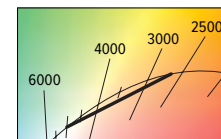
TRIM OPTIONS	
CATALOG NUMBER	CONVERSION FACTOR
AD	0.85
PD	0.85
TD	0.75 <sup>[2]</sup>

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	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

### BEAM ANGLE

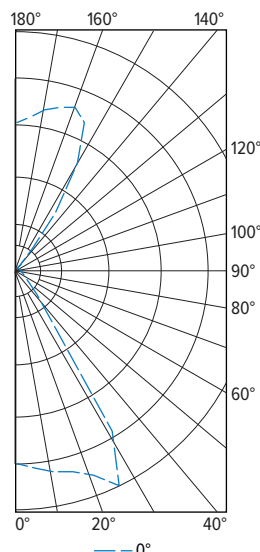
	TRIM TYPE							
	DOWNLIGHT			WM UPLIGHT		CM UPLIGHT		
	OPEN	FLUSH	REGRESSED	OPEN	FLUSH	OPEN	FLUSH	
W	65°	50°	50°	65°	50°	70°	50°	
M	45°	35°	30°	45°	35°	40°	30°	
N	10°	25°	25°	10°	25°	15°	20°	



- Distribution will also be affected, consult factory.
  - Use 0.67 multiplier when specified with Uplight cable mount.
- 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 4000K/80CRI (90 CRI with Uplight CM) and CS (O Trim Type) or WH (L and R Trim Types) Reflector Finish. Actual lumens may vary +/-5%.
  - Wattage is for downlight or uplight components. Add wattages together for selected lumen packages to find total fixture wattage.
  - Use multiplier tables to calculate additional options.

### PHOTOMETRY

6CRDI-TL-L22/8TWU/L22/8TWD-DIM-UNV-OW/OW-CS-WM Total Luminaire Output: 4348 lumens; 48 Watts | Efficacy: 91 lm/W | 80 CRI; 4000K CCT



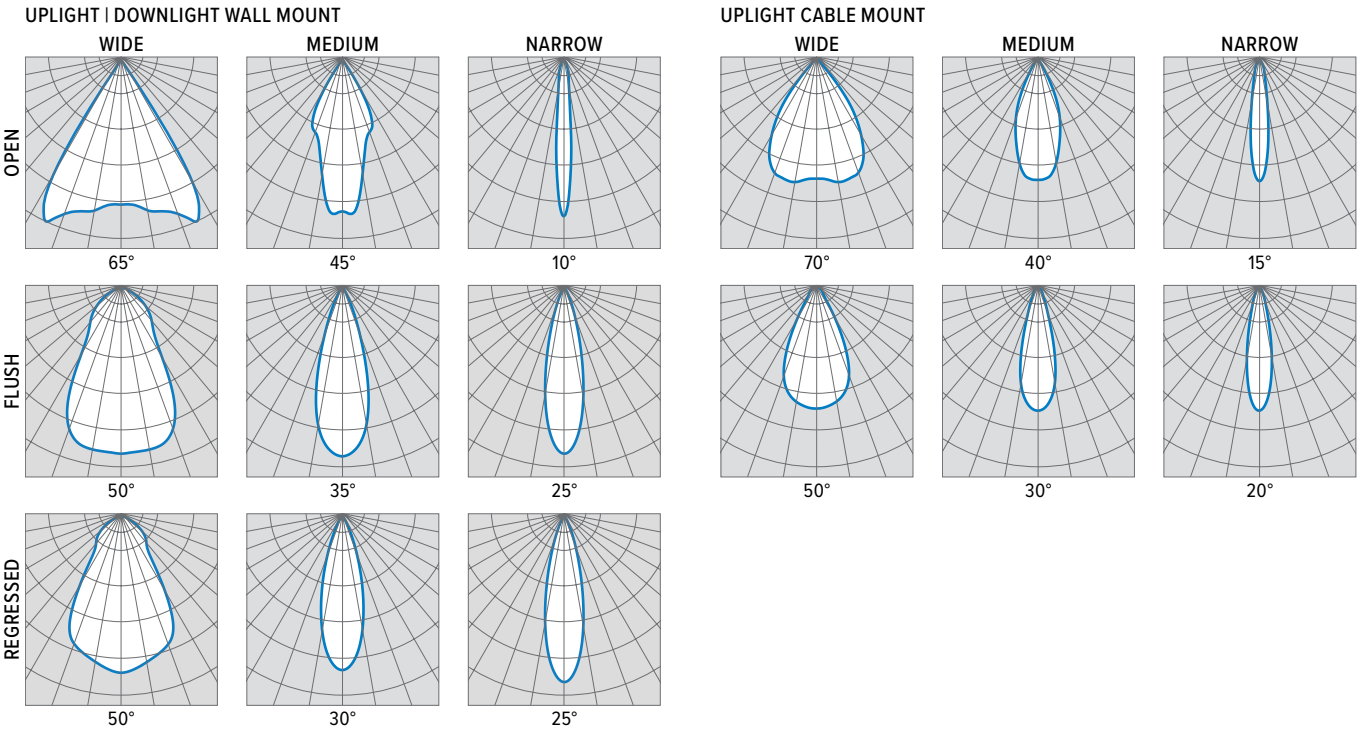
	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
CANDLEPOWER DISTRIBUTION	0	2067	
	5	2129	205
	15	2238	640
	25	2548	1087
	35	351	415
	45	50	42
	55	13	13
	65	1	2
	75	0	0
	85	0	1
	90	4	
	95	4	5
	105	6	7
	115	10	10
	125	21	20
	135	66	71
	145	693	437
	155	1681	745
	165	1744	495
	175	1585	155
	180	1520	

	ZONE	LUMENS	% FIXTURE
LUMEN SUMMARY	0 - 30	1932	44
	0 - 40	2347	54
	0 - 60	2401	55
	0 - 90	2404	55
	90 - 120	21	1
	90 - 150	549	13
	90 - 180	1944	45
	0 - 180	4348	100

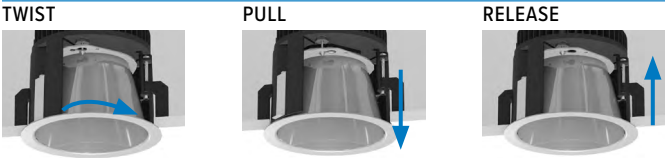


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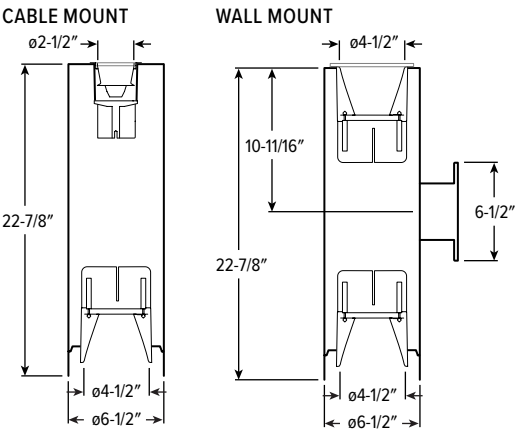
tunable **WHITE**  
6.5" Direct/Indirect Cylinder – Round



TRIMLOCK DETAILS



CROSS SECTIONS



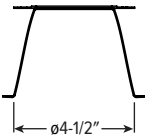
# 6CRDI tunable WHITE

## 6.5" Direct/Indirect Cylinder – Round

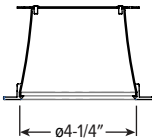
### TRIM TYPE DETAILS

#### DOWNLIGHT

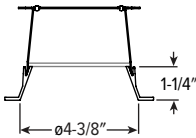
##### OPEN



##### FLUSH

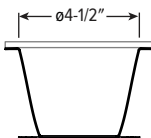


##### REGRESSED

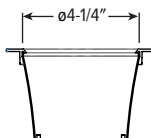


#### UPLIGHT WALL MOUNT

##### OPEN

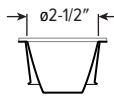


##### FLUSH

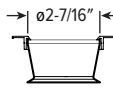


#### UPLIGHT CABLE MOUNT

##### OPEN



##### FLUSH



### CONTROL DETAILS

#### DIM



#### DALI



#### DMX



#### LUTRON T-SERIES



### MOUNTING DETAILS

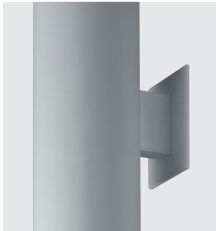
#### CABLE MOUNT (CM\_\_)



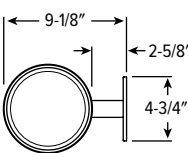
Cable mount fixtures are provided with:

- 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

#### WALL MOUNT (WM)



Mounts to 4" square J-box.



### CORD OPTIONS

Must specify cord when cable 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

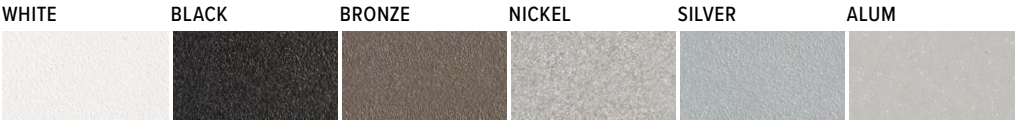
<sup>1</sup> Standard cord only.

### 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.



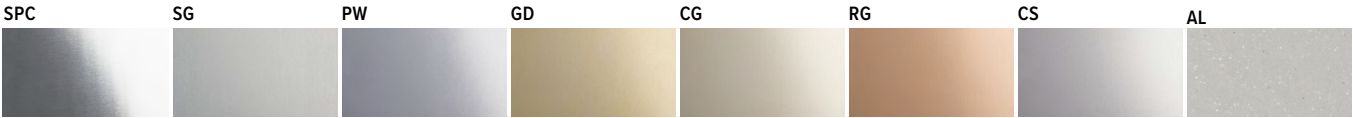
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REFLECTOR FINISH DETAILS

SMOOTH FINISH



TEXTURED FINISH

