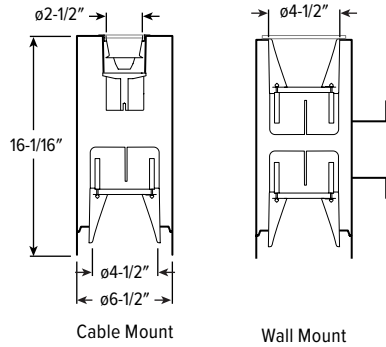


6CRDI tunable WHITE

6.5" Compact Direct/Indirect Cylinder – Round



CATALOG #: _____

TYPE: _____

PROJECT: _____



ORDERING EXAMPLE: **6CRDI - TL - 16 - L22/8TWU/L22/8TWD - RDB - OPTIONS - WHT - CONTROL/DIM - UNV - LW/LM - CS - TRIM OPTIONS - CM** | HOUSING | TRIM | MOUNT.

HOUSING

SERIES	HEIGHT	LUMEN PACKAGE (Example: L22/8TWU/L13/8TWD)	REMOTE	OPTIONS	HOUSING FINISH ^[1]
6CRDI - TL TrimLock	16 16"	Specify lumen packages: U for Uplight and D for Downlight LUMENS ^[3] COLOR U OR D L13 1,300lm 8TW Tunable white U Uplight L22 2,200lm (80 CRI, 2700K-5000K) ^[4] D Downlight	RDB Remote mount control/driver box, galvanized steel ^[2]	See page 4 for EMERGENCY BATTERY OPTIONS .	ALUM Silver sparkle aluminum BLK Textured black BRZ Textured bronze NKL Textured nickel SLV Textured silver WHT Textured white

CONTROL

See page 4 for CONTROL/DRIVER DETAILS.

– None

AWN Lutron Athena wireless node integral fixture control, RF only ^[6]

DRIVER ^[5]

DALI Driver prewired for DALI applications

DIM Dimming driver with (1) 0-10V signal to control dimming and (1) 0-10V signal to control CCT

DMX Driver prewired for DMX applications ^[7]

LD2 Lutron DALI-2 digital driver, 1%

VOLTAGE

UNV 120-277V

TRIM

TRIM TYPE AND DISTRIBUTION ^[8]

(Example Uplight/Downlight: LW/LM)

TRIM TYPE	DISTRIBUTION
Uplight	Uplight
O Open reflector with clear glass shield ^[13]	W 65° Wide
L Flush lens ^[14]	M 45° Medium ^[15]
	N 10° Narrow ^[16]
Downlight	Downlight
O Open reflector	W 65° Wide
L Flush lens	M 45° Medium
R Regressed lens	N 10° Narrow

REFLECTOR FINISH ^[9]

Downlight Open Trim Types	
CS	Clear semi-specular anodize
SG	Satin-glow anodize
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

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

TRIM OPTIONS

AD	Diffuse acrylic lens ^[10]
PD	Diffuse 1/8" polycarbonate lens ^[11]
TD	Diffuse polycarbonate lens media at top of open reflector ^[12]

MOUNTING

MOUNTING TYPE ^[17]

CM Adjustable aircraft cable mount, 24", 48", 96", or 144" only, must specify. Example: 24" cable = **CM24** ^[18]

WM Wall mount

NOTES

- See page 4 for HOUSING FINISH DETAILS.
- Painted driver box available, specify RDB/BLK or RDB/WHT.
- Lumen output based on O Trim Type, W Distribution and CS Reflector Finish, 80CRI/4000K CCT. Actual performance may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA
- 90 CRI when specified with uplight CM Mounting Type.
- See page 4 for CONTROL/DRIVER DETAILS.
- LD2 Driver only.
- Installed in remote box, must specify RDB Option.
- 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 4 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.
- Not available with WM Mounting Type. 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 5 for MOUNTING DETAILS.
- Canopy painted white unless specified otherwise. Must specify cord. See page 5 for CORD OPTIONS.



6CRDI tunable WHITE

6.5" Compact Direct/Indirect Cylinder – Round

FEATURES

- Engineered to deliver great performance in a sleek, space-saving design
- 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
- Superior optical control with beams as narrow as 10° and field changeable optics as wide as 65°
- Complement the architectural elements of any space with a multitude of housing, trim and cord finishes
- Variety of cord colors available in standard or braided for custom design
- Low UGR meets LEED and WELL requirements
- Wireless in-fixture control solutions available

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 lens (acrylic downlight, tempered glass uplight).
- 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. Control, driver, and EM battery installed in remote mount box.
- LISTINGS** –
 - cCSAus conforms to UL STD 1598 and UL STD 8750. Certified to CAN/CSA STD C22.2 No. 250.0. Suitable for dry and damp locations.
 - Complies with the Buy American Act and other federal regulations. Request certification at hew.com/baa.
- WARRANTY** – 5-year limited warranty, see hew.com/warranty.

FIXTURE PERFORMANCE DATA

DIST.	WATTAGE	DOWNLIGHT						UPLIGHT WALL MOUNT			UPLIGHT CABLE MOUNT					
		OPEN REFLECTOR		FLUSH LENS		REGRESSED LENS		WATTAGE	OPEN REFLECTOR		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)	
L13	W	14.6	1283	88	1029	70	1040	71	14.6	1088	75	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	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

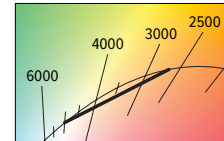
	COLOR TEMPERATURE			
	CCT	LUMENS		
		DOWNLIGHT	WALL	UPLIGHT CABLE
80 CRI	2700K	0.83	0.83	–
	3000K	1.00	1.00	–
	3500K	0.99	0.99	–
	4000K	1.00	1.00	–
	5000K	0.98	0.98	–
90 CRI	2700K	–	–	0.87
	3000K	–	–	0.96
	3500K	–	–	1.02
	4000K	–	–	1.00
	5000K	–	–	1.02

TRIM OPTIONS	
CATALOG NUMBER	CONVERSION FACTOR
AD	0.85
PD	0.85
TD	0.75 ^[2]

	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	

BEAM ANGLE

	TRIM TYPE					
	DOWNLIGHT			WM UPLIGHT	CM UPLIGHT	
	OPEN	FLUSH	REGRESSED	OPEN	OPEN	FLUSH
W	65°	50°	50°	65°	70°	50°
M	45°	35°	30°	45°	40°	30°
N	10°	25°	25°	10°	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 based on WH (L and R Trim Types) or CS (O Trim Type) Reflector Finish, W Distribution, 80 CRI/4000K CCT (90 CRI with uplight CM), average wattage for 120V input, and 25°C ambient temperature. Actual performance may vary +/-5%.
 - Wattage is for downlight or uplight components. Add wattages together for selected lumen packages to find total fixture wattage.
 - To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
 - Use multiplier tables to calculate additional options.

PHOTOMETRY CONTINUED ON NEXT PAGE.

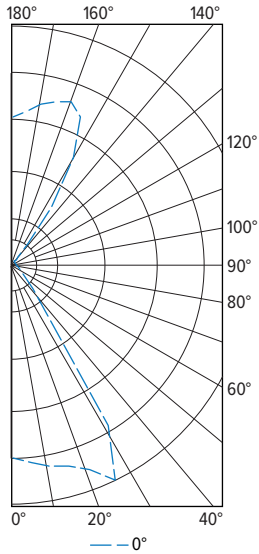


6CRDI tunable WHITE

6.5" Compact Direct/Indirect Cylinder – Round

PHOTOMETRY

6CRDI-TL-16-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

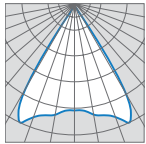


CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	2067	
	5	2129	205
	15	2238	640
	25	2548	1087
	35	351	415
	45	50	42
	55	13	13
	65	1	2
	75	0	0
	85	0	1
	90	4	
	95	4	5
	105	6	7
	115	10	10
	125	21	20
	135	66	71
	145	693	437
	155	1681	745
	165	1744	495
	175	1585	155
	180	1520	

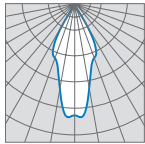
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
		0 - 30	1932
	0 - 40	2347	54
	0 - 60	2401	55
	0 - 90	2404	55
	90 - 120	21	1
	90 - 150	549	13
	90 - 180	1944	45
	0 - 180	4348	100

WALL MOUNT

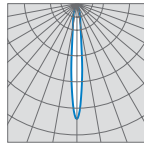
OPEN



65°

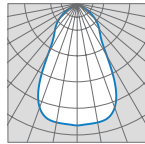


45°

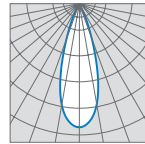


10°

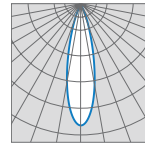
FLUSH



50°

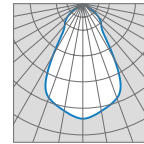


35°

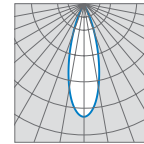


25°

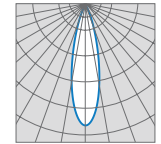
REGRESSED



50°



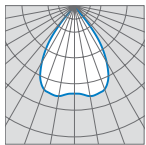
30°



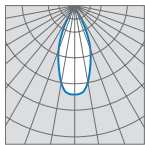
25°

UPLIGHT CABLE MOUNT

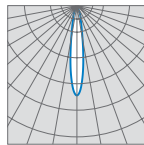
OPEN



70°

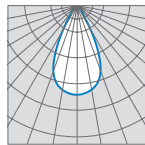


40°

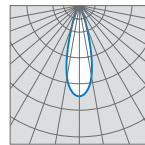


15°

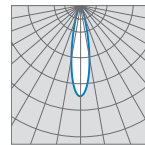
FLUSH



50°



30°



20°



6CRDI tunable WHITE

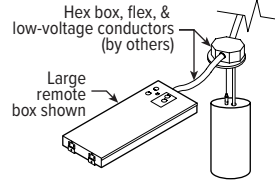
6.5" Compact Direct/Indirect Cylinder – Round

CONTROL/DRIVER DETAILS

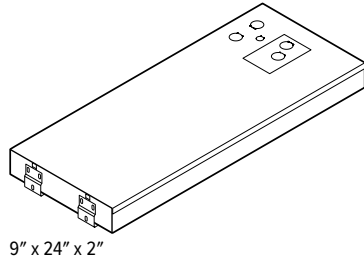
DRIVER/CONTROL	DESCRIPTION	RDB DETAILS BY LUMEN STOP		
		L13	L22	w/EM
DIM	Dimming driver with (1) 0-10V signal to control dimming and (1) 0-10V signal to control CCT prewired for low voltage applications	R L	R L	R L
DMX	Driver prewired for DMX applications	R L	R L	R L
DALI	DALI dimming driver	R L	R L	R L
LD2	Lutron DALI-2 digital driver, 1%	R L	R L	R L
AWNRLD2	Lutron Athena wireless node integral fixture control, RF only, for use with DALI-2 digital driver, 1%	R L	R L	R L

REMOTE MOUNT DETAILS

Max remote distance is 50' including suspension. Must be room-side accessible for maintenance.



LARGE



REMOTE MOUNT KEY

R L	RDB Required, Large Box
-------	-------------------------

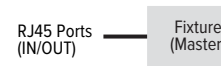
DIM



DALI



DMX



LUTRON T-SERIES

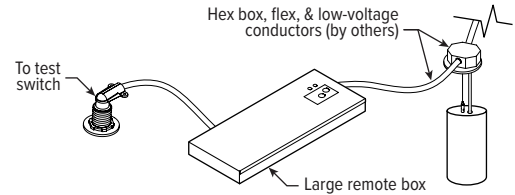


EMERGENCY BATTERY OPTIONS

Max remote distance 50', including suspension length. Large remote box provided. EM light defaults to downlight output. Specify CEC in option code when California Energy Commission regulations are required.

CATALOG NUMBER	DESCRIPTION
EM/7WRM/RTS	Remote mount 7-watt emergency battery with regressed test switch
EM/10WRM/RTS	Remote mount 10-watt emergency battery with regressed test switch
EM/12WRM/RTS	Remote mount 12-watt emergency battery with regressed test switch ^[1]

¹ Not available when CEC regulations are required.



TRIMLOCK DETAILS

TWIST



PULL



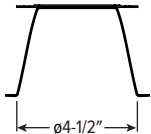
RELEASE



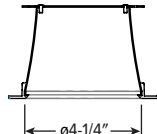
TRIM TYPE DETAILS

DOWNLIGHT

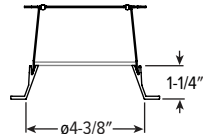
OPEN



FLUSH

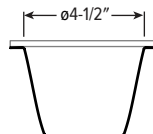


REGRESSED



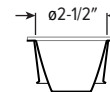
UPLIGHT WALL MOUNT

OPEN

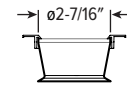


UPLIGHT CABLE MOUNT

OPEN

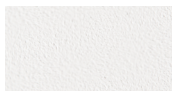


FLUSH



HOUSING FINISH DETAILS

WHITE



BLACK



BRONZE



NICKEL



SILVER



ALUM



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.

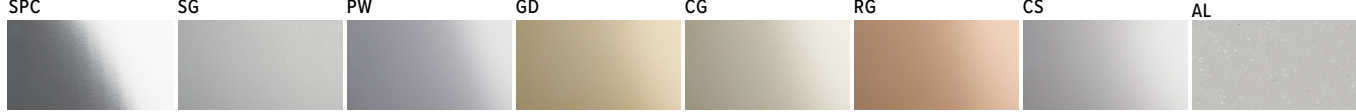
REFLECTOR FINISH DETAILS



6CRDI tunable WHITE

6.5" Compact Direct/Indirect Cylinder – Round

Smooth Finish



Textured Finish



MOUNTING DETAILS

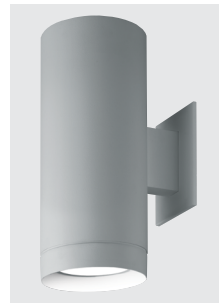
CABLE MOUNT (CM__)



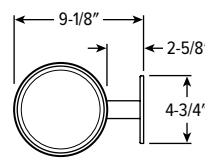
Provided with:

- Adjustable length aircraft cable, must specify length in 24", 48", 96", or 144" inches.
- 18-gauge cord, see Cord Options for ordering info.
- One 5" canopy
- T-bar clip with 1/4-20 stud
- Hard ceiling anchor provided by others

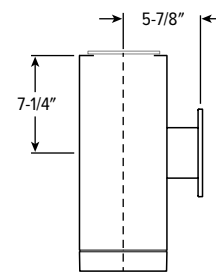
WALL MOUNT (WM)



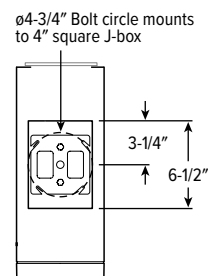
TOP VIEW



SIDE VIEW



BACK VIEW



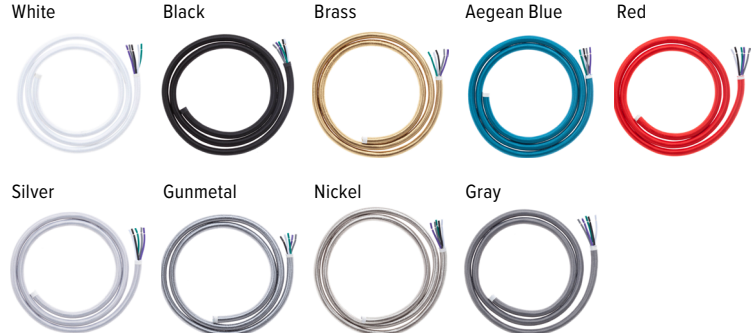
CORD OPTIONS

Must specify cord when cable mounting.

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

COLOR DETAILS

Additional colors may be available, consult factory.



¹ (5) conductors cord only.

