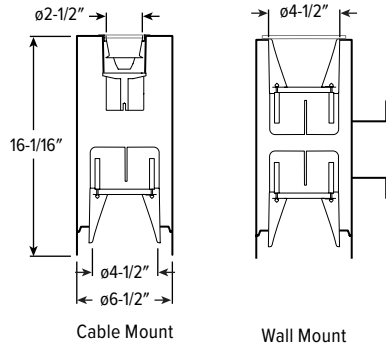


6CRDI dim to **WARM** 6.5" Compact Direct/Indirect Cylinder – Round



CATALOG #: _____

TYPE: _____

PROJECT: _____



TrimLock®

ORDERING EXAMPLE: **6CRDI - TL - 16 - L24/9DWU/L24/9DWD - RDB - OPTIONS - WHT - DIM1 - UNV - LW/LM - CS - TRIM OPTIONS - CM**
 HOUSING TRIM MOUNT

HOUSING

SERIES	HEIGHT	LUMEN PACKAGE (Example: L24/9DWU/L15/9DWD)	REMOTE	OPTIONS
6CRDI - TL TrimLock	16" 16"	Specify lumen packages: U for Uplight and D for Downlight LUMENS ^[2] COLOR U OR D L8 800lm 9DW Dim to warm U Uplight L15 1,500lm (95 CRI, 1800K) D Downlight L24 2,400lm - 3000K	RDB Remote mount control/driver box, galvanized steel ^[1]	See page 4 for EMERGENCY BATTERY OPTIONS .

HOUSING FINISH ^[3]	CONTROL	VOLTAGE
ALUM Silver sparkle aluminum	See page 4 for CONTROL DETAILS .	UNV 120-277V
BLK Textured black	DIM1 1% dimming driver (0-10V signal to control dimming and CCT)	347 347V
BRZ Textured bronze	LUT Lutron Ecosystem enabled	
NKL Textured nickel		
SLV Textured silver		
WHT Textured white		

TRIM

TRIM TYPE AND DISTRIBUTION ^[4] (Example Uplight/Downlight: LW/LM)	DISTRIBUTION	REFLECTOR FINISH ^[5]	TRIM OPTIONS
TRIM TYPE		Downlight Open Trim Types	Downlight Lens Trim Types
Uplight	Uplight	CS Clear semi-specular anodize	CS Clear semi-specular powder coat
O Open reflector with clear glass shield ^[9]	W 65° Wide	SG Satin-glow anodize	WH White texture powder coat
L Flush lens ^[10]	M 45° Medium ^[11]	GD Gold anodize	BL Black texture powder coat
	N 10° Narrow ^[12]	CG Champagne gold anodize	BZ Bronze texture powder coat
Downlight	Downlight	PW Pewter anodize	NK Nickel texture powder coat
O Open reflector	W 65° Wide	SPC Clear specular anodize	SV Silver texture powder coat
L Flush lens	M 45° Medium	RG Rose gold anodize	AL Silver sparkle aluminum
R Regressed lens	N 10° Narrow	WH White texture powder coat	
		BL Black texture powder coat	
			AD Diffuse acrylic lens ^[6]
			PD Diffuse 1/8" polycarbonate lens ^[7]
			TD Diffuse polycarbonate lens media at top of open reflector ^[8]

MOUNTING

MOUNTING TYPE ^[13]
CM Adjustable aircraft cable mount, 24", 48", 96", or 144" only, must specify. Example: 24" cable = CM24 ^[14]
WM Wall mount

NOTES

- Painted driver box available, specify RDB/BLK or RDB/WHT.
- Lumen output based on O Trim Type, W Distribution and CS Reflector Finish, 95 CRI/3000K CCT. Actual performance may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA
- See page 4 for HOUSING FINISH DETAILS.
- 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.
- 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.
- L15 lumen package max for uplight. Canopy painted white unless specified otherwise. Must specify cord. See page 5 for CORD OPTIONS.



6CRDI dim to WARM

6.5" Compact Direct/Indirect Cylinder – Round

FEATURES

- Engineered to deliver great performance in a sleek, space-saving design
- Mimic the comfortable, welcoming glow of incandescent with warm-dimming technology
- Smoothly accent walls and eliminate dark ceilings with direct and indirect lighting
- 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
- Low UGR meets LEED and WELL requirements

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 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** – 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)	DELIVERED LUMENS
L8	W	14.0	862	62	670	48	678	48	14.0	731	52	14.8	585	40	785	53
	M	14.0	830	59	760	54	763	55	14.0	704	50	14.8	581	39	793	54
	N	14.0	800	57	765	55	769	55	14.0	678	48	14.8	482	33	–	–
L15	W	23.4	1511	65	1175	50	1188	51	23.4	1281	55	23.3	1013	43	1359	58
	M	23.4	1455	62	1333	57	1337	57	23.4	1234	53	23.3	1016	44	1390	60
	N	23.4	1402	60	1242	53	1348	58	23.4	1189	51	23.3	769	33	–	–
L24	W	37.7	2228	59	1925	51	1945	52	37.7	1889	50					
	M	37.7	2226	59	1995	53	1997	53	37.7	1887	50					
	N	37.7	2228	59	2197	58	2208	59	37.7	1889	50					

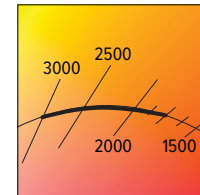
MULTIPLIER TABLES

	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	1.00
	CS ⁽¹⁾	0.98
	BL ⁽¹⁾	0.79
	BZ ⁽¹⁾	0.76
	NK ⁽¹⁾	0.81
	SV ⁽¹⁾	0.81
	AL ⁽¹⁾	0.86

TRIM OPTIONS	
CATALOG NUMBER	CONVERSION FACTOR
AD	0.85
PD	0.85
TD	0.67

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.
 - 3000K CCT at 100% (full output) and 1800K CCT at 1% (full dim)
 - Photometrics tested in accordance with IESNA LM-79. Results based on CS (O Trim Type) or WH (L and R Trim Types) Reflector Finish, W Distribution, 95 CRI/3000K CCT, 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.

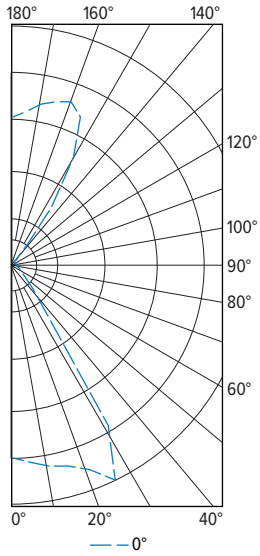


6CRDI dim to WARM

6.5" Compact Direct/Indirect Cylinder – Round

PHOTOMETRY

6CRDI-TL-16-L24/9DWU/L15/9DWD-DIM1-UNV-OW/OW-CS-WM Total Luminaire Output: 4230 lumens; 75.4 Watts | Efficacy: 56 lm/W | 95 CRI; 3000K CCT

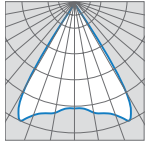


CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	2011	
	5	2071	200
	15	2178	623
	25	2479	1057
	35	341	403
	45	49	40
	55	12	12
	65	1	2
	75	0	0
	85	0	1
	90	4	
	95	4	4
	105	6	6
	115	10	10
	125	20	19
	135	64	69
	145	675	426
	155	1636	725
	165	1697	482
	175	1543	150
	180	1479	

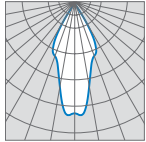
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1880	44
	0 - 40	2283	54
	0 - 60	2336	55
	0 - 90	2339	55
	90 - 120	21	1
	90 - 150	535	13
	90 - 180	1892	45
	0 - 180	4230	100

WALL MOUNT

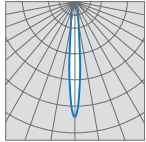
OPEN



65°

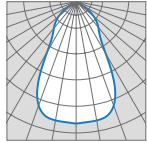


45°

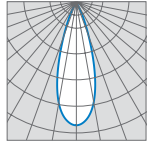


10°

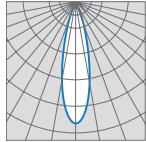
FLUSH



50°

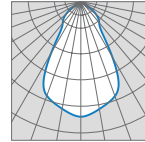


35°

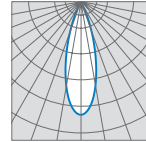


25°

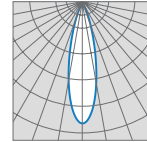
REGRESSED



50°



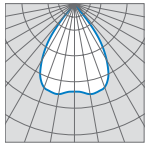
30°



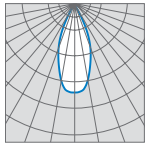
25°

UPLIGHT CABLE MOUNT

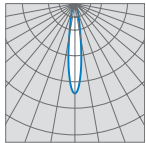
OPEN



70°

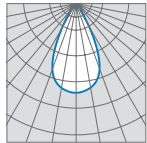


40°

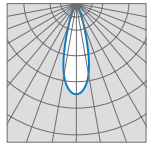


15°

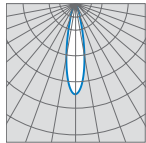
FLUSH



50°



30°



20°



6CRDI dim to WARM

6.5" Compact Direct/Indirect Cylinder – Round

CONTROL DETAILS

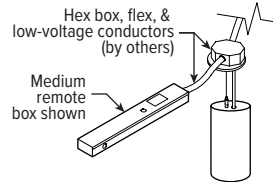
If using two different stops for U/D, see highest lumen stop for RDB.

CONTROL	DESCRIPTION	RDB DETAILS BY LUMEN STOP			
		L8	L15	L24	w/EM
DIM1	1% dimming driver (0-10V signal to control dimming and CCT) prewired for low voltage applications	R S	R S	R M	R L
LUT	Lutron Ecosystem enabled	R M	R M	R M	R L

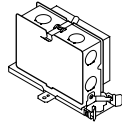
REMOTE MOUNT KEY	
R S	RDB Required, Small Box
R M	RDB Required, Medium Box
R L	RDB Required, Large Box

REMOTE MOUNT DETAILS

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



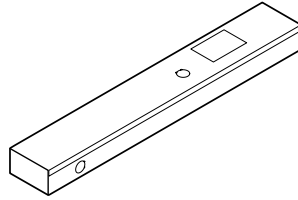
SMALL



Snap-in Junction Box

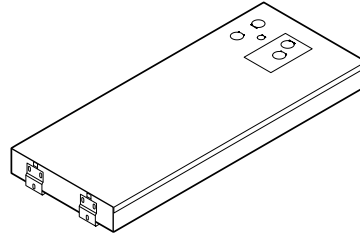
6-1/2" x 3" x 4-1/2"

MEDIUM



3-1/2" x 24" x 2"

LARGE



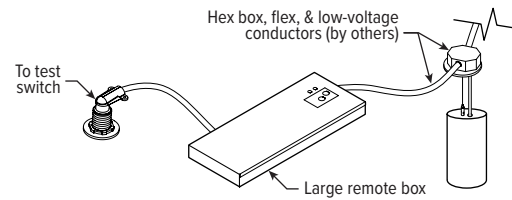
9" x 24" x 2"

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



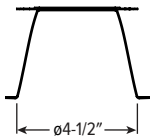
RELEASE



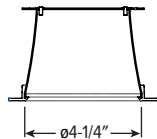
TRIM TYPE DETAILS

DOWNLIGHT

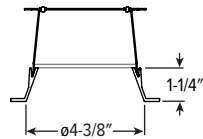
OPEN



FLUSH

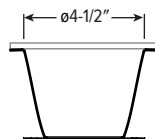


REGRESSED



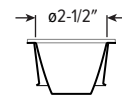
UPLIGHT WALL MOUNT

OPEN

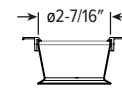


UPLIGHT CABLE MOUNT

OPEN

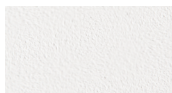


FLUSH



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.

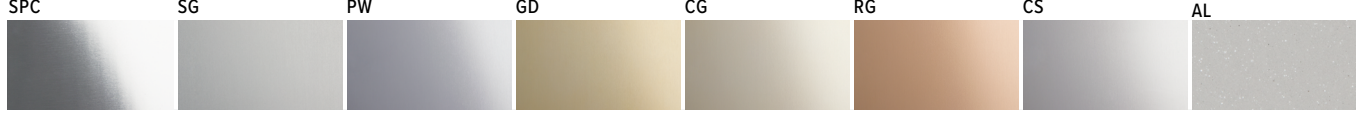


6CRDI dim to WARM

6.5" Compact Direct/Indirect Cylinder – Round

REFLECTOR FINISH DETAILS

Smooth Finish

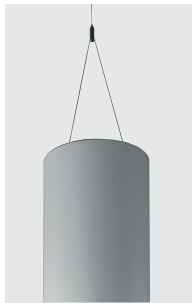


Textured Finish



MOUNTING DETAILS

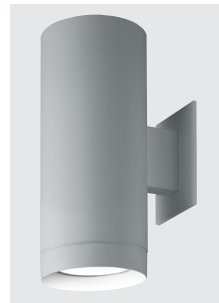
CABLE MOUNT (CM__)



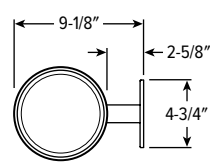
Provided with:

- 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

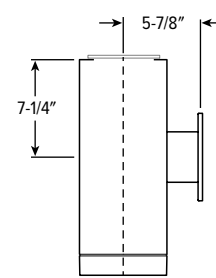
WALL MOUNT (WM)



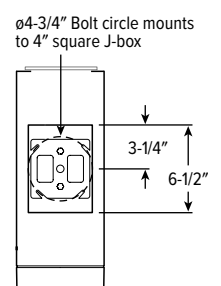
TOP VIEW



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	Standard
	48	4		/W White
	96	5		/B Black
		6		Braided ^[1]
				/WH White
				/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.

