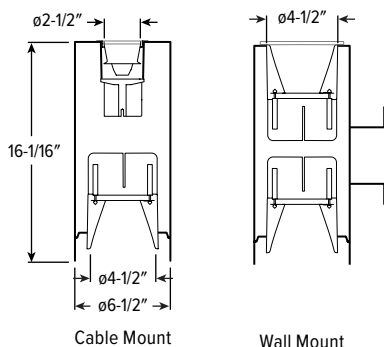




PROJECT: _____



TrimLock®

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

SERIES	HEIGHT	LUMEN PACKAGE (Example: L22/8TWU/L13/8TWD)			REMOTE	OPTIONS
6CRDI - TL TrimLock	16 16"	Specify lumen packages: U for Uplight and D for Downlight			RDB Remote mount control/driver box, galvanized steel	EM/10WRM/RTS Remote mount 10-watt emergency battery with regressed test switch ^[1]
		LUMENS ^[2]	COLOR	U OR D		
		L13 1,300lm	8TW Tunable white (80 CRI, 2700K-5000K) ^[3]	U Uplight		
		L22 2,200lm		D Downlight		

HOUSING FINISH ^[4]	CONTROL	DRIVER ^[5]	VOLTAGE
ALUM Silver sparkle aluminum	See page 4 for CONTROL/DRIVER DETAILS.	DALI Driver prewired for DALI applications	UNV 120-277V
BLK Textured black	– None	DIM Dimming driver with (1) 0-10V signal to control dimming and (1) 0-10V signal to control CCT	
BRZ Textured bronze	AWN Lutron Athena wireless node integral fixture control, RF only ^[6]	DMX Driver prewired for DMX applications ^[7]	
NKL Textured nickel		LD2 Lutron DALI-2 digital driver, 1%	
SLV Textured silver			
WHT Textured white			

[illegible]

MOUNTING TYPE ^[15]

CM__ Adjustable aircraft cable mount, 24", 48", 96", or 144" only, must specify. Example: 24" cable = **CM24** ^[16]

WM Wall mount

- 1 Max remote distance 50', including suspension length. Large remote box provided. Specify CEC in the option code when California Energy Commission regulations are required. See page 4 for EMERGENCY BATTERY DETAILS.
- 2 Lumen output based on 0 Trim Type, W Distribution and CS Reflector Finish, 80CRI/4000K CCT. Actual performance may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA
- 3 90 CRI when specified with uplight CM Mounting Type.
- 4 See page 3 for HOUSING FINISH DETAILS.
- 5 See page 4 for CONTROL/DRIVER DETAILS.
- 6 LD2 Driver only.
- 7 Installed in remote box, must specify RDB Option.
- 8 Specified for downlight Trim Type only. See page 4 for REFLECTOR FINISH DETAILS.

- 9 Not available with O or F Trim Types. Downlight only. W Distribution only.
10 Not available with O or F Trim Types. Downlight only. W Distribution only.
11 CS Reflector Finish standard. Other colors available, consult factory.
12 Not available with WM Mounting Type. Trim finish matches Housing Finish. Other colors
available, consult factory.
13 O Trim Type only when specified with WM Mounting Type.
14 O Trim Type only.
15 See page 5 for MOUNTING DETAILS.
16 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
- Made Right Here® in the USA

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.
 - Build America, Buy America (BABA) and Buy American Act (BAA) compliant. Request certification at hew.com/buy-american
- WARRANTY** – 5-year limited warranty, see hew.com/warranty

FIXTURE PERFORMANCE DATA

		DOWNLIGHT							UPLIGHT WALL MOUNT			UPLIGHT CABLE MOUNT				
		WATTAGE	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	DIST.	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	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

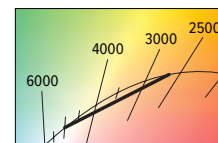
TRIM OPTIONS	
CATALOG NUMBER	CONVERSION FACTOR
F	0.75
AD	0.85
PD	0.85

REFLECTOR FINISH	
CATALOG NUMBER	CONVERSION FACTOR
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	
CATALOG NUMBER	CONVERSION FACTOR
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

BEAM ANGLE

	TRIM TYPE ⁽²⁾							
	DOWNLIGHT				WM UPLIGHT	CM UPLIGHT		
	O	F	L	R	O	O	L	
W	65°	60°	50°	50°	65°	70°	50°	
M	45°	50°	35°	30°	45°	40°	30°	
N	10°	25°	25°	25°	10°	15°	20°	



- Distribution will also be affected, consult factory.
 - Beam angle based on CS or WH Reflector Finish.
- 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.

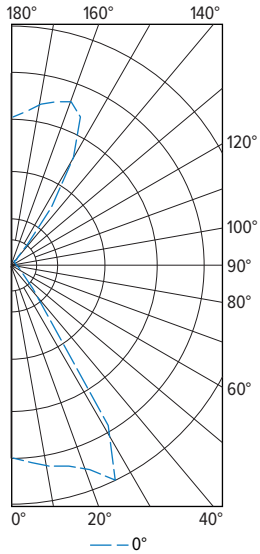


6CRDI tunable WHITE

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

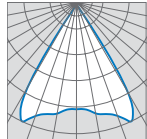


VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
	0°	
0	2067	
5	2129	205
15	2238	640
25	2548	1087
35	351	415
45	50	42
55	13	13
65	1	2
75	0	0
85	0	1
90	4	
95	4	5
105	6	7
115	10	10
125	21	20
135	66	71
145	693	437
155	1681	745
165	1744	495
175	1585	155
180	1520	

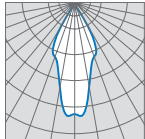
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1932	44
	0 - 40	2347	54
	0 - 60	2401	55
	0 - 90	2404	55
	90 - 120	21	1
	90 - 150	549	13
	90 - 180	1944	45
	0 - 180	4348	100

DOWNLIGHT

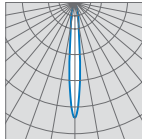
OPEN (O)



65° Wide

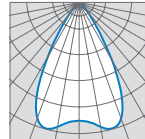


45° Medium

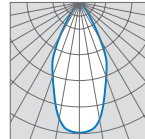


10° Narrow

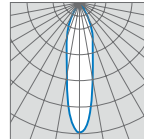
OPEN TOP DIFFUSER (F)



60° Wide

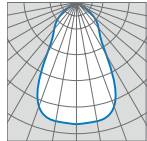


50° Medium

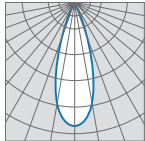


25° Narrow

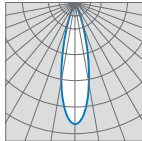
FLUSH (L)



50° Wide

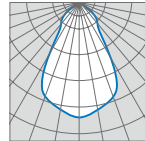


35° Medium

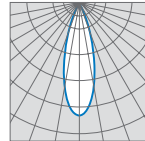


25° Narrow

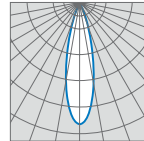
REGRESSED (R)



50° Wide



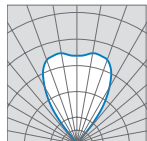
30° Medium



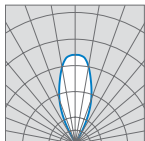
25° Narrow

UPLIGHT CABLE MOUNT

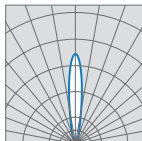
OPEN (O)



70° Wide

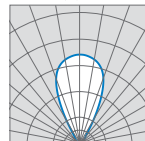


40° Medium

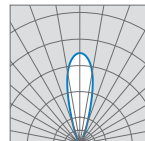


15° Narrow

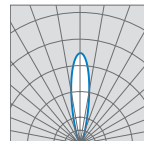
FLUSH (L)



50° Wide



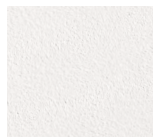
30° Medium



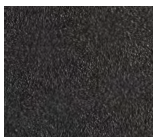
20° Narrow

HOUSING FINISH DETAILS

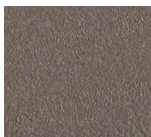
WHITE



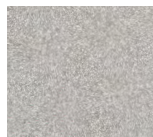
BLACK



BRONZE



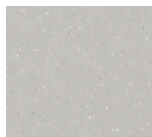
NICKEL



SILVER



ALUM



RAL# _____



For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require four sample swatches, minimum 1" square.



H.E. Williams, Inc.

Carthage, Missouri

www.hew.com

417-358-4065

Designed and Manufactured in the USA

Information contained herein is subject to change without notice.

REV.07/10/26.LM

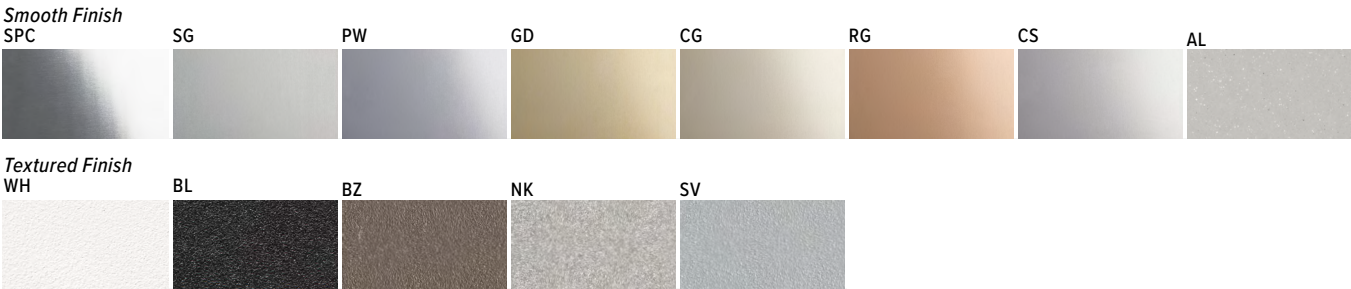
Cylinders
Page 3 of 5

6CRDI

tunable WHITE

6.5" Compact Direct/Indirect Cylinder – Round

REFLECTOR FINISH DETAILS

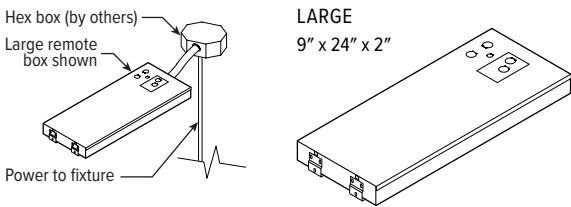


CONTROL/DRIVER DETAILS

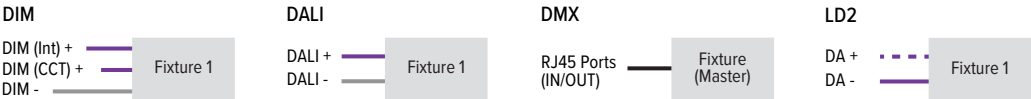
CONTROL/DRIVER	DESCRIPTION	RDB DETAILS BY LUMEN STOP		
		L13	L22	w/EM
DIM	Dimming driver with (1) 0-10V signal to control dimming and (1) 0-10V signal to control CCT prewired for low voltage applications	R L	R L	R L
DMX	Driver prewired for DMX applications	R L	R L	R L
DALI	DALI dimming driver	R L	R L	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

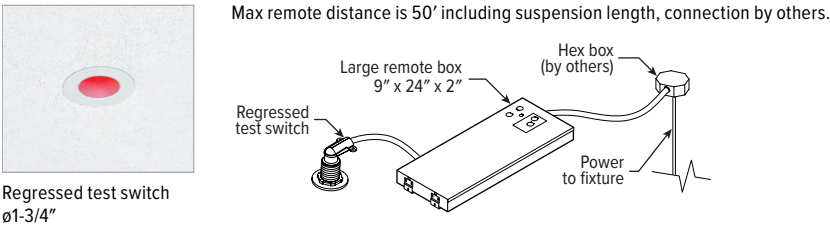
Max remote distance is 50', connection by others. Must be room-side accessible for maintenance.



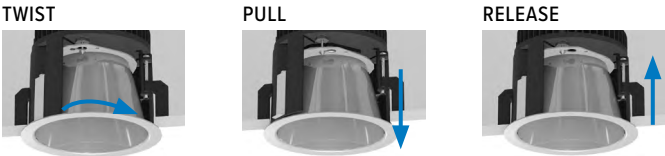
REMOTE MOUNT KEY	
R L	RDB Required, Large Box



EMERGENCY BATTERY DETAILS



TRIMLOCK DETAILS



6CRDI

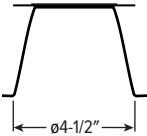
tunable WHITE

6.5" Compact Direct/Indirect Cylinder – Round

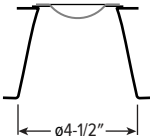
TRIM TYPE DETAILS

DOWNLIGHT

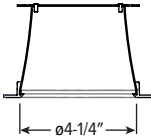
OPEN



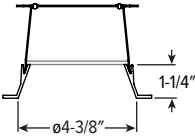
OPEN TOP DIFFUSER



FLUSH

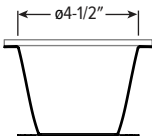


REGRESSED



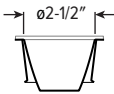
UPLIGHT WALL MOUNT

OPEN

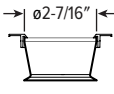


UPLIGHT CABLE MOUNT

OPEN



FLUSH



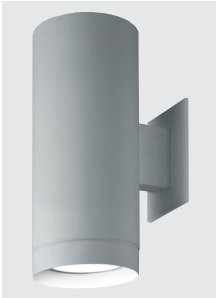
MOUNTING DETAILS

CABLE MOUNT (CM_)

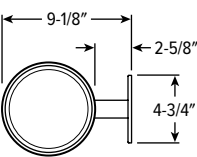


- Provided with:
- Adjustable length aircraft cable, must specify length in 24", 48", 96", or 144" inches.
 - 18-gauge cord, see Cord Options for ordering info.
 - One 5" canopy
 - T-bar clip with 1/4-20 stud
 - Hard ceiling anchor provided by others

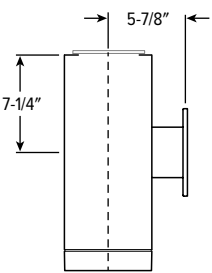
WALL MOUNT (WM)



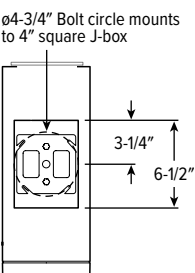
TOP VIEW



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 24" 48 48" 96 96"	3 3 4 4 5 5 6 6	8 18-gauge	Standard
				/W White
				/B Black
				Braided ⁽¹⁾
				/WH White
				/BL Black
				/BR Brass
				/AE Aegean Blue
				/RE Red
				/SV Silver
				/GU Gunmetal
				/NK Nickel
				/GR Gray

¹ (5) conductors cord only.

COLOR DETAILS

Additional colors may be available, consult factory.

