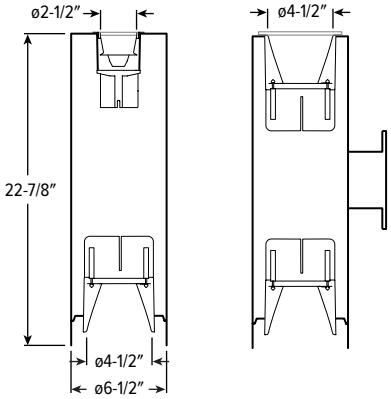
6CRDI tunable WHITE
6.5" Direct/Indirect Cylinder – Round



Cable Mount Wall Mount

CATALOG #:

TYPE:

PROJECT:

BAA & BABA COMPLIANT

Low UGR TrimLock®

ORDERING EXAMPLE: 6CRDI - TL - 23 - L22/8TWU/L22/8TWD - OPTIONS - WHT - CONTROL/DIM - UNV - LW/LM - CS - TRIM OPTIONS - CM

HOUSING — TRIM — MOUNT.

HOUSING

SERIES
6CRDI - TL TrimLock

HEIGHT
23 23"

LUMEN PACKAGE (Example: L22/8TWU/L13/8TWD)
Specify lumen packages: **U** for Uplight and **D** for Downlight

LUMENS [3]
L13 1,300lm
L22 2,200lm

COLOR
8TW Tunable white (80 CRI, 2700K-5000K) [4]

U OR D
U Uplight
D Downlight

OPTIONS
EM/10WRM/RTS Remote mount 10-watt emergency battery with regressed test switch [2]
RDB Remote mount control/driver box, galvanized steel

HOUSING FINISH [1]
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
AWNR Lutron Athena wireless node integral fixture control, RF only [5]

DRIVER
See page 4 for CONTROL/DRIVER DETAILS.
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 [6]
LD2 Lutron DALI-2 digital driver, 1%

VOLTAGE
UNV 120-277V

TRIM

TRIM TYPE AND DISTRIBUTION
(Example Uplight/Downlight: **LW/LM**)

TRIM TYPE

Uplight
O Open reflector with clear glass shield [10]
L Flush lens [11]

Downlight
O Open reflector
F Open reflector with frosted top diffuser
L Flush lens
R Regressed lens

DISTRIBUTION
See page 2 for BEAM ANGLE.

Uplight
W Wide
M Medium [12]
N Narrow [13]

Downlight
W Wide
M Medium
N Narrow

REFLECTOR FINISH [7]

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 [8]
PD Diffuse 1/8" polycarbonate lens [9]

MOUNTING

MOUNTING TYPE [14]
CM__ Adjustable aircraft cable mount, 24", 48", 96", or 144" only, must specify. Example: 24" cable = **CM24** [15]
WM Wall mount

NOTES
1 See page 4 for HOUSING FINISH DETAILS.
2 Max remote distance 50', including suspension length. Large remote box provided. EM light defaults to downlight output. Specify CEC in the option code when California Energy Commission regulations are required. See page 4 for EMERGENCY BATTERY DETAILS.
3 Lumen output based on O Trim Type, W Distribution and CS Reflector Finish, 80 CRI/4000K CCT. Actual performance may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA
4 90 CRI when specified with uplight CM Mounting Type.
5 LD2 Driver only. SM Mounting Type installed in remote box, must specify RDB Option.
6 Installed in remote box, must specify RDB Option.
7 Specified for downlight Trim Type only. See page 5 for REFLECTOR FINISH DETAILS.
8 Not available with O or F Trim Types. Downlight only. W Distribution only.
9 Not available with O or F Trim Types. Downlight only. W Distribution only.
10 CS Reflector Finish standard. Other colors available, consult factory.
11 Not available with WM Mounting Type. Trim finish matches Housing Finish. Other colors available, consult factory.
12 O Trim Type only when specified with WM Mounting Type.
13 O Trim Type only.
14 See page 5 for MOUNTING DETAILS.
15 Canopy painted white unless specified otherwise. Must specify cord. See page 5 for CORD OPTIONS.

6CRDI tunable WHITE
6.5" Direct/Indirect Cylinder – Round

FEATURES

- 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
- Precision-engineered extruded aluminum housing and die-cast aluminum trim face for clean aesthetic
- 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. 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 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				
			OPEN REFLECTOR		FLUSH LENS		REGRESSED LENS			OPEN REFLECTOR			OPEN REFLECTOR		FLUSH LENS	
	DIST.	WATTAGE	DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)	WATTAGE	DELIVERED LUMENS	EFFICACY (lm/W)	WATTAGE	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

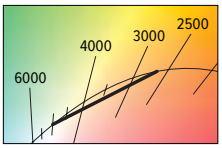
	COLOR TEMPERATURE			
	CCT	LUMENS		
		DOWNLIGHT	UPLIGHT	
			WALL	CABLE
80 CRI	2700K	0.83	0.83	–
	3000K	1.00	1.00	–
	3500K	0.99	0.99	–
	4000K	1.00	1.00	–
	5000K	0.98	0.98	–
90 CRI	2700K	–	–	0.87
	3000K	–	–	0.96
	3500K	–	–	1.02
	4000K	–	–	1.00
	5000K	–	–	1.02

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

	REFLECTOR FINISH	
	CATALOG NUMBER	CONVERSION FACTOR
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

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°



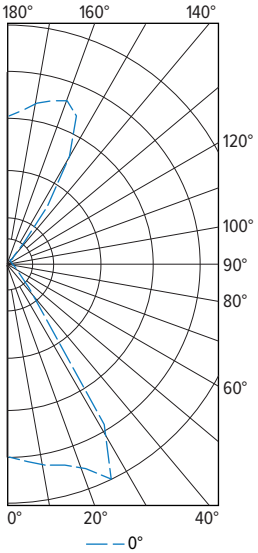
1 Distribution will also be affected, consult factory.
2 Beam angle based on CS or WH Reflector Finish.

- 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.

6CRDI tunable WHITE
6.5" Direct/Indirect Cylinder – Round

PHOTOMETRY

6CRDI-TL-23-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

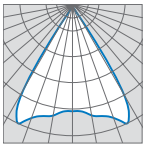
VERTICAL ANGLE	HORIZONTAL ANGLE 0°	ZONAL LUMENS
0	2067	
5	2129	205
15	2238	640
25	2548	1087
35	351	415
45	50	42
55	13	13
65	1	2
75	0	0
85	0	1
90	4	
95	4	5
105	6	7
115	10	10
125	21	20
135	66	71
145	693	437
155	1681	745
165	1744	495
175	1585	155
180	1520	

LUMEN SUMMARY

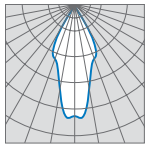
ZONE	LUMENS	% FIXTURE
0 - 30	1932	44
0 - 40	2347	54
0 - 60	2401	55
0 - 90	2404	55
90 - 120	21	1
90 - 150	549	13
90 - 180	1944	45
0 - 180	4348	100

DOWNLIGHT

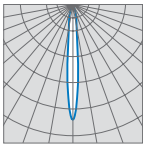
OPEN (O)



65° Wide

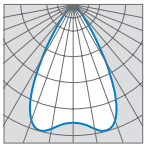


45° Medium

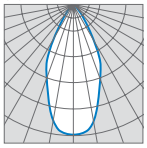


10° Narrow

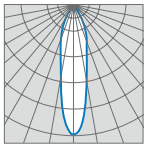
OPEN TOP DIFFUSER (F)



60° Wide

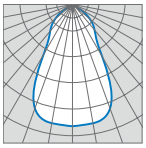


50° Medium



25° Narrow

FLUSH (L)



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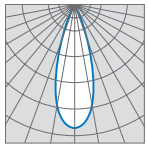
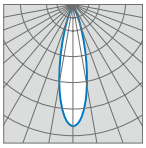


35° Medium



25° Narrow

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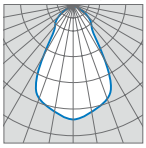

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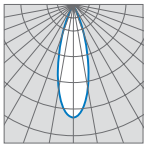

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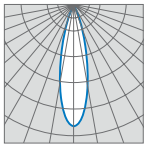
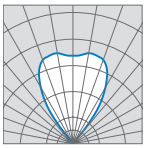


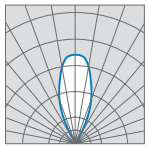
25° Narrow

UPLIGHT CABLE MOUNT

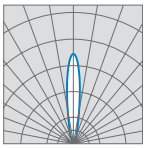
OPEN (O)



70° Wide

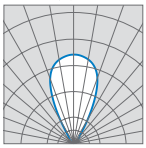


40° Medium



15° Narrow

FLUSH (L)



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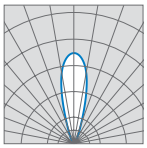
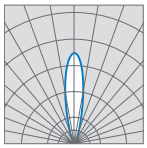


30° Medium



20° Narrow

TRIMLOCK DETAILS

TWIST

PULL

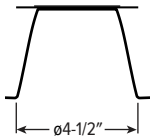
RELEASE

6CRDI tunable WHITE
6.5″ Direct/Indirect Cylinder – Round

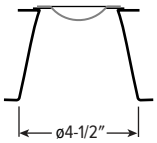
TRIM TYPE DETAILS

DOWNLIGHT

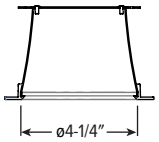
OPEN



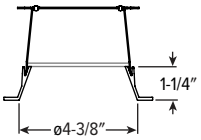
OPEN TOP DIFFUSER



FLUSH

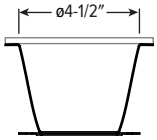


REGRESSED



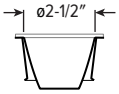
UPLIGHT WALL MOUNT

OPEN



UPLIGHT CABLE MOUNT

OPEN



FLUSH

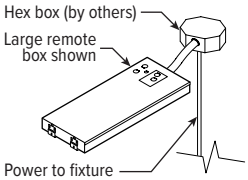
CONTROL/DRIVER DETAILS

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

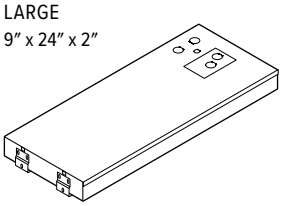
CONTROL/DRIVER	DESCRIPTION	RDB DETAILS BY LUMEN STOP		
		L13	L22	w/EM
DIM	Dimming driver with (1) 0-10V signal to control dimming and (1) 0-10V signal to control CCT prewired for low voltage applications	O I L	O I L	R I L
DMX	Driver prewired for DMX applications	R I L	R I L	R I L
DALI	DALI dimming driver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

REMOTE MOUNT DETAILS

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



LARGE
9″ x 24″ x 2″



REMOTE MOUNT KEY	
R I L	RDB Required, Large Box
O I L	RDB Optional, Large Box

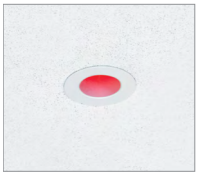
DIM

DALI

DMX

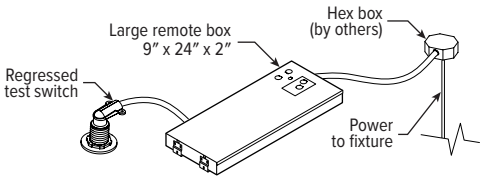
LD2

EMERGENCY BATTERY DETAILS



Regressed test switch
ø1-3/4″

Max remote distance is 50′ including suspension length, connection by others.



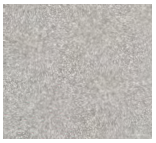
HOUSING FINISH DETAILS

WHITE

BLACK

BRONZE

NICKEL



SILVER

ALUM

RAL#____

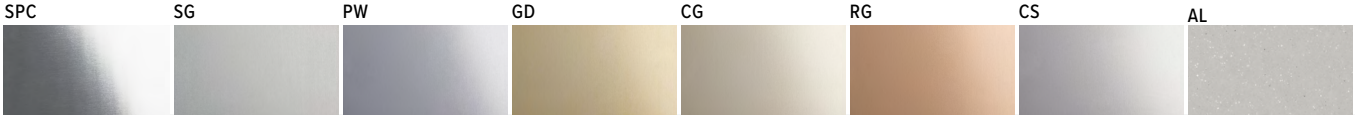
For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require four sample swatches, minimum 1″ square.

6CRDI tunable WHITE
6.5″ Direct/Indirect Cylinder – Round

REFLECTOR FINISH DETAILS

Smooth Finish

SPC SG PW GD CG RG CS AL

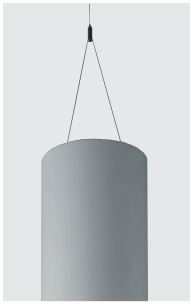


Textured Finish

WH BL BZ NK SV

MOUNTING DETAILS

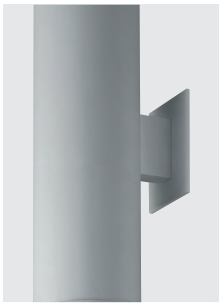
CABLE MOUNT (CM__)

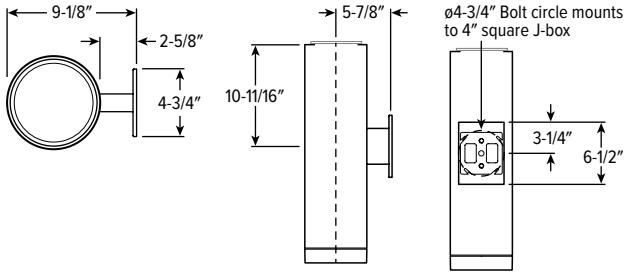


Provided with:

- 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)





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.

White Black Brass Aegean Blue Red

Silver Gunmetal Nickel Gray