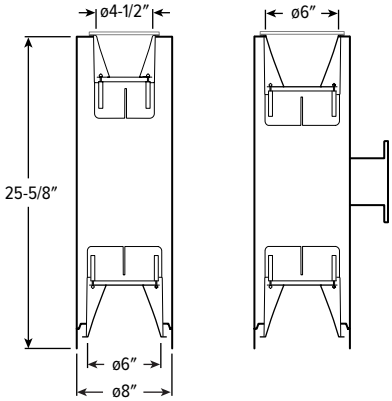
8CRDI tunable WHITE
8″ Direct/Indirect Cylinder – Round



Cable Mount Wall Mount

CATALOG #: _____

TYPE: _____

PROJECT: _____

TrimLock

ORDERING EXAMPLE: 8CRDI - TL - 26 - L23/8TWU/L23/8TWD - OPTIONS - WHT - CONTROL/DIM - UNV - LW/LM - CS - TRIM OPTIONS - CM
(HOUSING | TRIM | MOUNT.)

HOUSING

SERIES
8CRDI - TL TrimLock

HEIGHT
26 26″

LUMEN PACKAGE (Example: L23/8TWU/L13/8TWD)
Specify lumen packages: **U** for Up and **D** for Down

LUMENS [2]		COLOR		U OR D	
L13	1,300lm	**8TW**	Tunable white (80 CRI, 2700K-5000K)	**U**	Uplight
L23	2,300lm			**D**	Downlight
L42	4,200lm				

OPTIONS

EM/10WRM/RTS	Remote mount 10-watt emergency battery with regressed test switch [1]
F	Fuse
RDB	Remote mount control/driver box, galvanized steel

HOUSING FINISH

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 [3]

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 [4]
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 [8]
- **L** Flush lens [9]

Downlight
- **O** Open reflector
- **F** Open reflector with frosted top diffuser [10]
- **L** Flush lens
- **R** Regressed lens

DISTRIBUTION
See page 2 for BEAM ANGLE.

Uplight
- **W** Wide
- **M** Medium [11]
- **N** Narrow [12]

Downlight
- **W** Wide
- **M** Medium [13]
- **N** Narrow [14]

REFLECTOR FINISH [5]

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 [6]
- **PD** Diffuse 1/8″ polycarbonate lens [7]

MOUNTING

MOUNTING TYPE [15]

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

NOTES

1. 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. See page 4 for EMERGENCY BATTERY DETAILS.
2. 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
3. LD2 Driver only.
4. Installed in remote box, must specify RDB Option.
5. Specified for Downlight Trim Type only. See page 5 for REFLECTOR FINISH DETAILS.
6. Not available with O or F Trim Types. Downlight only. W Distribution only.
7. Not available with O or F Trim Types. Downlight only. W Distribution only.
8. CS Reflector Finish standard. Other colors available, consult factory.
9. Not available with WM Mounting Type. Trim finish matches Housing Finish. Other colors available, consult factory.
10. Not available with L42 lumen package.
11. O Trim Type only.
12. O Trim Type only.
13. Not available with L42 lumen package when specified with L or R Trim Types.
14. Not available with L42 lumen package when specified with L or R Trim Types.
15. See page 5 for MOUNTING DETAILS.
16. Uplight not available with L42 lumen package. Canopy painted white unless specified otherwise. Must specify cord. See page 5 for CORD OPTIONS.

8CRDI tunable WHITE
8" 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
- 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 20 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	1320	90	1135	78	1089	75	14.6	1203	82	14.6	1088	75	1039	71
	M	14.6	1317	90	1220	84	1183	81	14.6	1200	82	14.6	1086	74	–	–
	N	14.6	1345	92	1231	84	1199	82	14.6	1226	84	14.6	1088	75	–	–
L23	W	24.0	2357	98	1964	82	1900	79	24.0	2148	90	24.0	1941	81	1799	75
	M	24.0	2285	95	2117	88	2059	86	24.0	2082	87	24.0	1863	78	–	–
	N	24.0	2187	91	2129	89	2075	86	24.0	1993	83	24.0	1778	74	–	–
L42	W	44.9	4304	96	3596	80	3480	78	44.9	3922	87					
	M	44.9	4173	93	–	–	–	–	44.9	3803	85					
	N	44.9	3994	89	–	–	–	–	44.9	3640	81					

MULTIPLIER TABLES

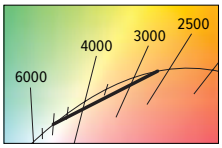
COLOR TEMPERATURE		
CCT	LUMENS	WATTS
2700K	0.83	1.03
3000K	1.00	1.00
3500K	0.99	0.99
4000K	1.00	1.00
5000K	0.98	1.03

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°	70°	55°	55°	65°	65°	50°
M	35°	35°	35°	35°	35°	45°	35°
N	10°	20°	25°	25°	10°	10°	25°



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

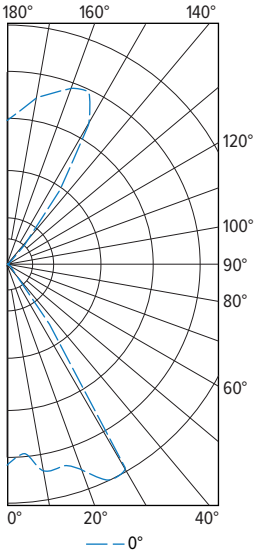
- Photometrics tested in accordance with IESNA LM-79. Results based on CS (O Trim Type) or WH (L and R Trim Types) Reflector Finish, W Distribution, 80 CRI/4000K CCT, average wattage for 120V input, and 25°C ambient temperature. Actual performance may vary +/-5%.
- Wattage is for downlight or uplight 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.

8CRDI tunable WHITE
8″ Direct/Indirect Cylinder – Round

PHOTOMETRY

8CRDI-TL-26-L23/8TWU/L23/8TWD-DIM-UNV-OW/OW-CS-WM Total Luminaire Output: 4629 lumens; 48 Watts | Efficacy: 96 lm/W | 80 CRI; 4000K CCT



CANDLEPOWER DISTRIBUTION

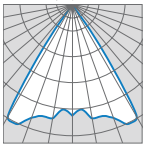
VERTICAL ANGLE	HORIZONTAL ANGLE 0°	ZONAL LUMENS
0	1983	
5	1873	187
15	2058	591
25	2351	1062
35	716	576
45	55	46
55	15	16
65	2	3
75	0	0
85	0	1
90	4	
95	5	5
105	7	8
115	12	12
125	25	23
135	63	69
145	893	548
155	1875	835
165	1739	497
175	1521	150
180	1410	

LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0 - 30	1840	40
0 - 40	2416	52
0 - 60	2478	54
0 - 90	2482	54
90 - 120	25	1
90 - 150	666	14
90 - 180	2148	46
0 - 180	4629	100

DOWNLIGHT

OPEN (O)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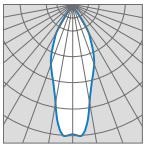
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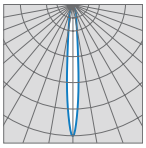
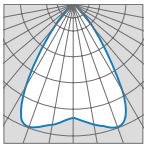

10° Narrow

OPEN TOP DIFFUSER (F)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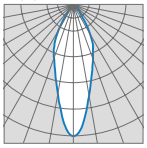
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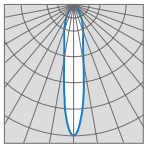
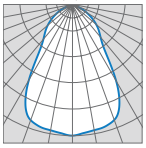

20° Narrow

FLUSH (L)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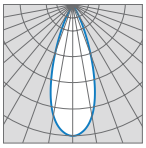
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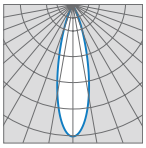
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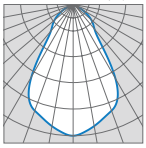
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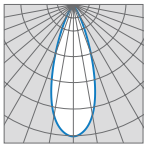
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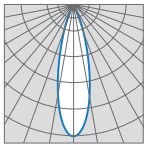
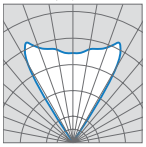

25° Narrow

UPLIGHT CABLE MOUNT

OPEN (O)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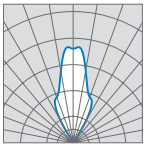
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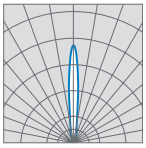
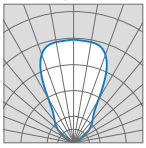

10° Narrow

FLUSH (L)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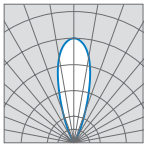
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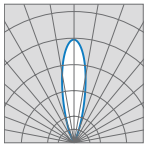

25° Narrow

SEE NEXT PAGE FOR CONTROL DETAILS

8CRDI tunable WHITE
8″ Direct/Indirect Cylinder – Round

CONTROL/DRIVER DETAILS

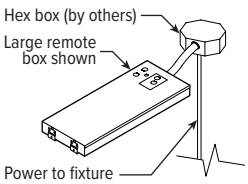
If using two different stops for U/D, see highest lumen stop for RDB.

CONTROL/DRIVER	DESCRIPTION	RDB DETAILS BY LUMEN STOP			
		L13	L22	L42	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	O I L	R I L
DMX	Driver prewired for DMX applications	R I L	R I L	R I L	R I L
DALI	DALI dimming driver	O I L	O I L	O I L	R I L
LD2	Lutron DALI-2 digital driver, 1%	O I L	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%. Up and down switch together.	R I L	R I L	R I L	R I L

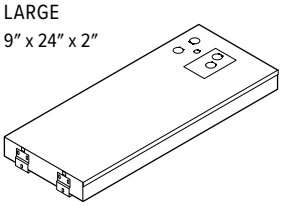
REMOTE MOUNT DETAILS

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

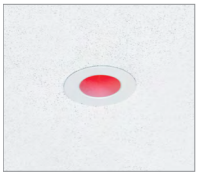
REMOTE MOUNT KEY	
R I L	RDB Required, Large Box
O I L	RDB Optional, Large Box



LARGE
9″ x 24″ x 2″

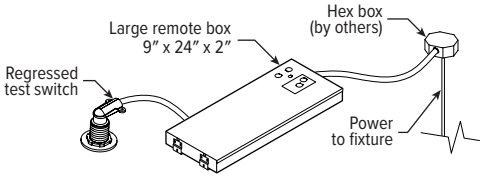


EMERGENCY BATTERY DETAILS



Regressed test switch
ø1-3/4″

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



TRIMLOCK DETAILS

TWIST

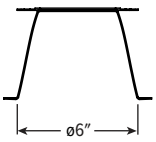
PULL

RELEASE

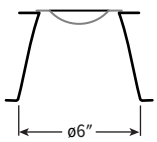
TRIM TYPE DETAILS

DOWNLIGHT

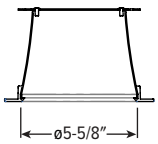
OPEN



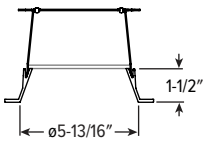
OPEN TOP DIFFUSER



FLUSH

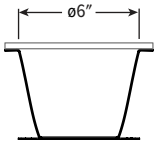


REGRESSED



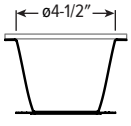
UPLIGHT WALL MOUNT

OPEN

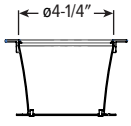


UPLIGHT CABLE MOUNT

OPEN



FLUSH



HOUSING FINISH DETAILS

WHITE

BLACK

BRONZE

NICKEL

SILVER

ALUM

RAL#____

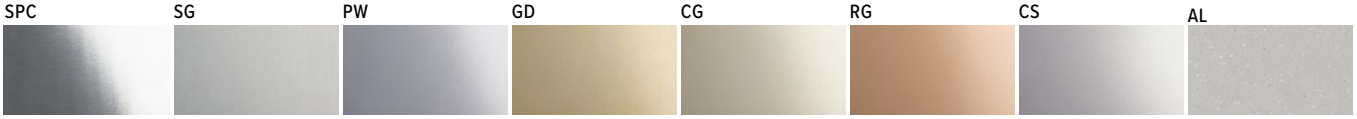
For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require four sample swatches, minimum 1″ square.

8CRDI tunable WHITE
8″ 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

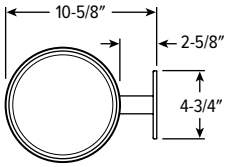
CABLE MOUNT (CM__)

Provided with:

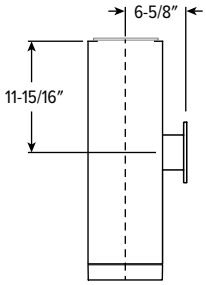
- Adjustable length aircraft cable, must specify length in 24″, 48″, 96″, or 144″ inches.
- 18-gauge cord, see Cord Options for ordering info.
- One 5″ canopy
- T-bar clip with 1/4-20 stud
- Hard ceiling anchor provided by others

WALL MOUNT (WM)

TOP VIEW

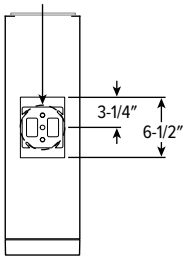


SIDE VIEW



BACK VIEW

ø4-3/4″ Bolt circle 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″ **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