

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

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	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

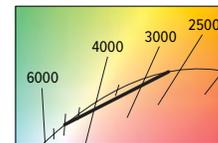
COLOR TEMPERATURE		
CCT	LUMENS	WATTS
2700K	0.83	1.03
3000K	1.00	1.00
3500K	0.99	0.99
4000K	1.00	1.00
5000K	0.98	1.03

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
R TRIM	WH ⁽¹⁾	0.89
	BL ⁽¹⁾	0.47
	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°



- 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 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.

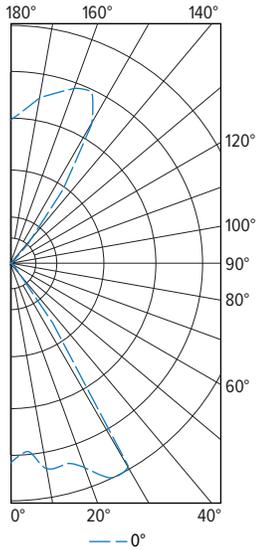
PHOTOMETRY CONTINUED ON NEXT PAGE.



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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

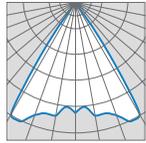


CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	1983	
	5	1873	187
	15	2058	591
	25	2351	1062
	35	716	576
	45	55	46
	55	15	16
	65	2	3
	75	0	0
	85	0	1
	90	4	
	95	5	5
	105	7	8
	115	12	12
	125	25	23
	135	63	69
	145	893	548
	155	1875	835
	165	1739	497
	175	1521	150
	180	1410	

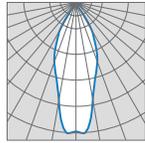
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
		0 - 30	1840
	0 - 40	2416	52
	0 - 60	2478	54
	0 - 90	2482	54
	90 - 120	25	1
	90 - 150	666	14
	90 - 180	2148	46
	0 - 180	4629	100

DOWNLIGHT

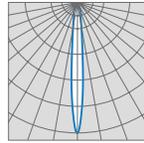
OPEN (O)



65° Wide

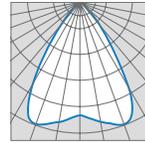


35° Medium

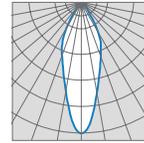


10° Narrow

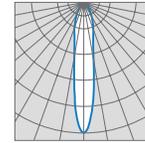
OPEN TOP DIFFUSER (F)



70° Wide

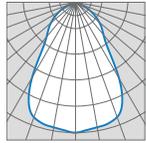


35° Medium

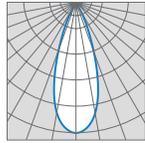


20° Narrow

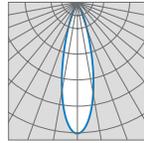
FLUSH (L)



55° Wide

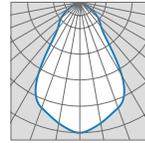


35° Medium

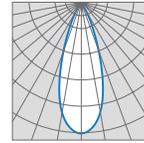


25° Narrow

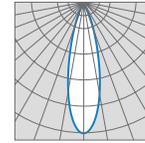
REGRESSED (R)



55° Wide



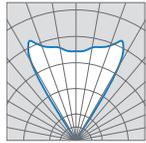
35° Medium



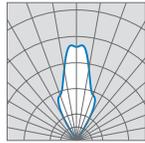
25° Narrow

UPLIGHT CABLE MOUNT

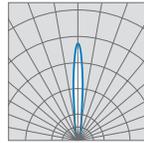
OPEN (O)



65° Wide

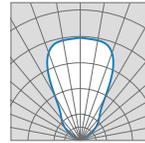


45° Medium

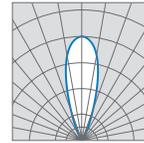


10° Narrow

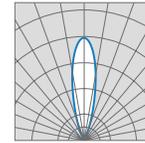
FLUSH (L)



50° Wide



35° Medium



25° Narrow

SEE NEXT PAGE FOR CONTROL DETAILS



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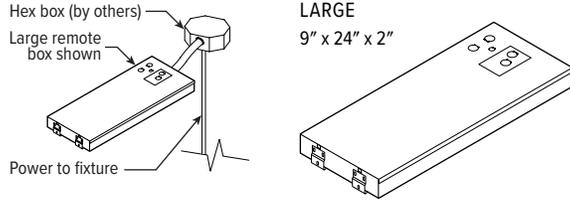
CONTROL/DRIVER DETAILS

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	OIL	OIL	OIL	RIL
DMX	Driver prewired for DMX applications	RIL	RIL	RIL	RIL
DALI	DALI dimming driver	OIL	OIL	OIL	RIL
LD2	Lutron DALI-2 digital driver, 1%	OIL	OIL	OIL	RIL
AWNRLD2	Lutron Athena wireless node integral fixture control, RF only, for use with DALI-2 digital driver, 1%	OIL	OIL	OIL	RIL

REMOTE MOUNT DETAILS

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

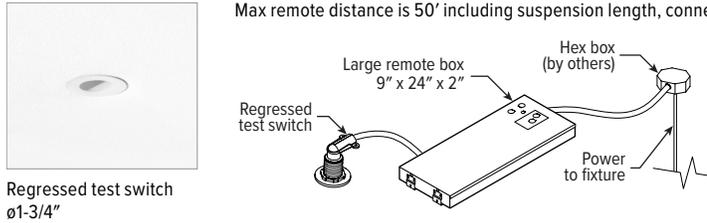


REMOTE MOUNT KEY	
RIL	RDB Required, Large Box
OIL	RDB Optional, Large Box

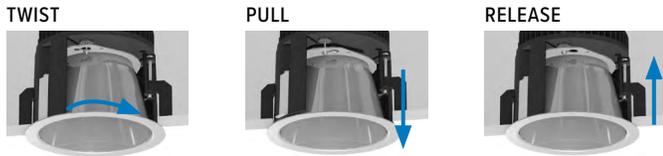


EMERGENCY BATTERY DETAILS

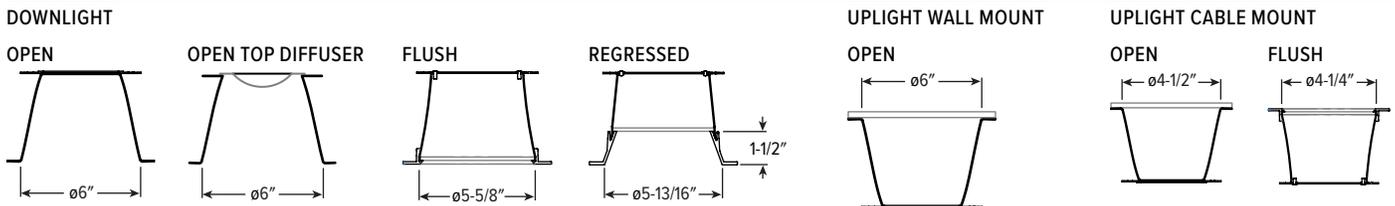
Max remote distance is 50' including suspension length, connection by others.



TRIMLOCK DETAILS



TRIM TYPE DETAILS



HOUSING FINISH DETAILS



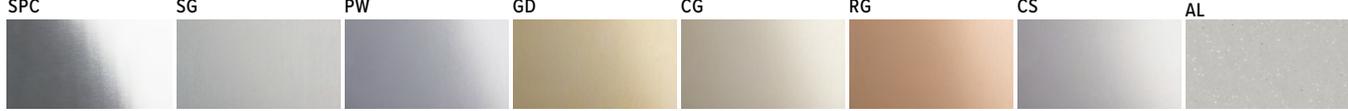
For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require two sample swatches, minimum 1" square.

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REFLECTOR FINISH DETAILS

Smooth Finish



Textured Finish



MOUNTING DETAILS

CABLE MOUNT (CM__)



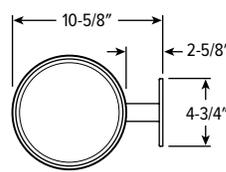
Provided with:

- 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

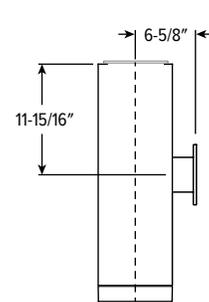
WALL MOUNT (WM)



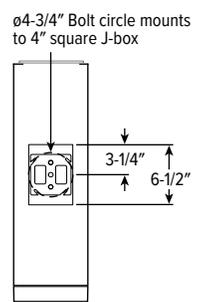
TOP VIEW



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

