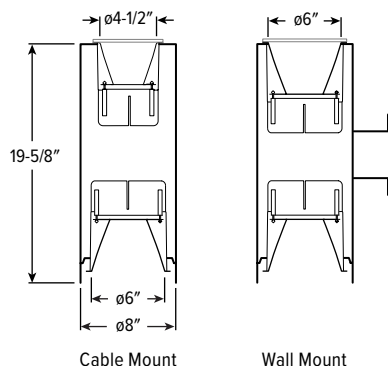


8CRDI tunable WHITE

8" Compact Direct/Indirect Cylinder – Round



CATALOG #: _____

TYPE: _____

PROJECT: _____



TrimLock®

ORDERING EXAMPLE: 8CRDI - TL - 20 - L23/8TWU/L23/8TWD - RDB - OPTIONS - WHT - CONTROL/DIM - UNV - LW/LM - CS - TRIM OPTIONS - CM

HOUSING TRIM MOUNT

HOUSING

SERIES	HEIGHT	LUMEN PACKAGE (Example: L23/8TWU/L13/8TWD)	REMOTE	OPTIONS
8CRDI - TL	20 20"	Specify lumen packages: U for Up and D for Down	RDB Remote mount control/driver box, galvanized steel	EM/10WRM/RTS Remote mount 10-watt emergency battery with regressed test switch ⁽¹⁾
TrimLock		LUMENS ⁽²⁾ COLOR U OR D		F Fuse
		L13 1,300lm 8TW Tunable white (80 CRI, 2700K-5000K) U Uplight		
		L23 2,300lm D Downlight		
		L42 4,200lm		

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
AWNRLutron 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
LD2 Lutron DALI-2 digital driver, 1%

VOLTAGE

UNV 120-277V

TRIM

TRIM TYPE AND DISTRIBUTION

(Example Uplight/Downlight: LW/LM)

TRIM TYPE	DISTRIBUTION
Uplight	See page 2 for BEAM ANGLE.
O Open reflector with clear glass shield ⁽⁷⁾	Uplight
L Flush lens ⁽⁸⁾	W Wide
Downlight	M Medium ⁽¹⁰⁾
O Open reflector	N Narrow ⁽¹¹⁾
F Open reflector with frosted top diffuser ⁽⁹⁾	Downlight
L Flush lens	W Wide
R Regressed lens	M Medium ⁽¹²⁾
	N Narrow ⁽¹³⁾

REFLECTOR FINISH ⁽⁴⁾

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 ⁽⁵⁾
PD Diffuse 1/8" polycarbonate lens ⁽⁶⁾

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

- 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.
- 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
- LD2 Driver only. SM Mounting Type installed in remote box, must specify RDB Option.
- Specified for Downlight Trim Type only. See page 5 for REFLECTOR FINISH DETAILS.
- Not available with O or F Trim Types. Downlight only. W Distribution only.
- Not available with O or F Trim Types. Downlight only. W Distribution 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.
- Not available with L42 lumen package.
- O Trim Type only.
- O Trim Type only.
- Not available with L42 lumen package when specified with L or R Trim Types.
- Not available with L42 lumen package when specified with L or R Trim Types.
- See page 5 for MOUNTING DETAILS.
- 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" Compact Direct/Indirect Cylinder – Round

FEATURES

- Support human-centric design with adaptive, individualized lighting using tunable white light
- Engineered to deliver great performance in a sleek, space-saving design
- 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
- 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. 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

	DIST.	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	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

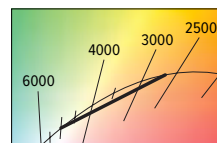
COLOR TEMPERATURE		
CCT	LUMENS	WATTS
2700K	0.83	1.03
3000K	1.00	1.00
3500K	0.99	0.99
4000K	1.00	1.00
5000K	0.98	1.03

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
R TRIM	RG	0.88
	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 WH (L and R Trim Types) or CS (O Trim Type) 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.



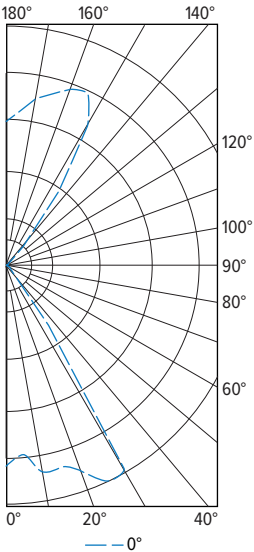
8CRDI

tunable WHITE

8" Compact Direct/Indirect Cylinder – Round

PHOTOMETRY

8CRDI-TL-20-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

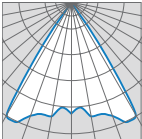


CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	1983	
	5	1873	187
	15	2058	591
	25	2351	1062
	35	716	576
	45	55	46
	55	15	16
	65	2	3
	75	0	0
	85	0	1
	90	4	
	95	5	5
	105	7	8
	115	12	12
	125	25	23
	135	63	69
	145	893	548
	155	1875	835
	165	1739	497
	175	1521	150
	180	1410	

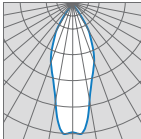
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1840	40
	0 - 40	2416	52
	0 - 60	2478	54
	0 - 90	2482	54
	90 - 120	25	1
	90 - 150	666	14
	90 - 180	2148	46
	0 - 180	4629	100

DOWNLIGHT

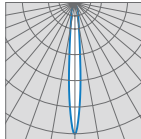
OPEN (O)



65° Wide

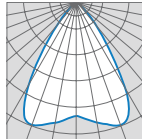


35° Medium

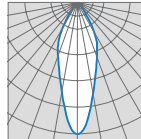


10° Narrow

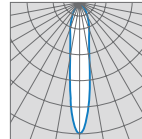
OPEN TOP DIFFUSER (F)



70° Wide

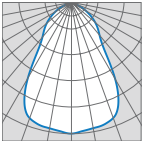


35° Medium

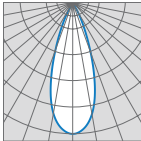


20° Narrow

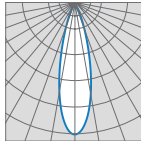
FLUSH (L)



55° Wide

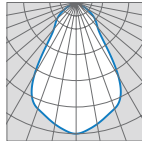


35° Medium

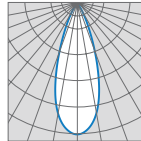


25° Narrow

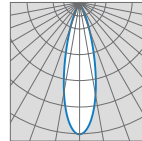
REGRESSED (R)



55° Wide



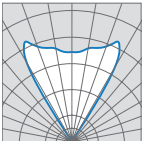
35° Medium



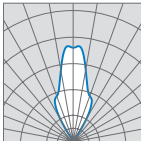
25° Narrow

UPLIGHT CABLE MOUNT

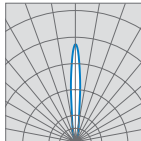
OPEN (O)



65° Wide

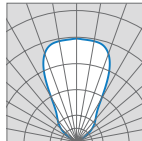


45° Medium

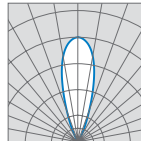


10° Narrow

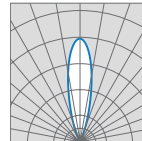
FLUSH (L)



50° Wide



35° Medium



25° Narrow

SEE NEXT PAGE FOR CONTROL DETAILS.



8CRDI

tunable WHITE

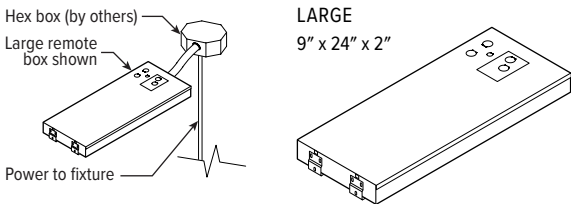
8" Compact Direct/Indirect Cylinder – Round

CONTROL/DRIVER DETAILS

CONTROL/DRIVER	DESCRIPTION	RDB DETAILS BY LUMEN STOP			
		L13	L23	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	R L	R L	R L	R L
DMX	Driver prewired for DMX applications	R L	R L	R L	R L
DALI	DALI dimming driver	R L	R L	R L	R L
LD2	Lutron DALI-2 digital driver, 1%	R L	R L	R L	R L
AWNR/LD2	Lutron Athena wireless node integral fixture control, RF only, for use with DALI-2 digital driver, 1%	R L	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

DIM



DALI



DMX

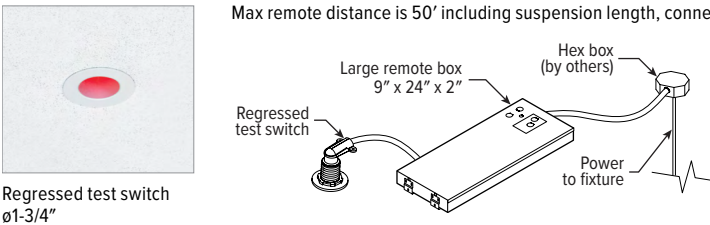


LD2



EMERGENCY BATTERY DETAILS

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



TRIMLOCK DETAILS

TWIST



PULL



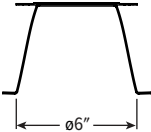
RELEASE



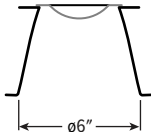
TRIM TYPE DETAILS

DOWNLIGHT

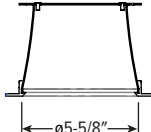
OPEN



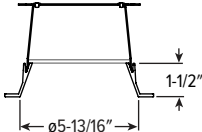
OPEN TOP DIFFUSER



FLUSH

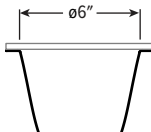


REGRESSED



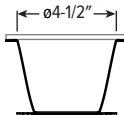
UPLIGHT WALL MOUNT

OPEN

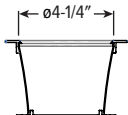


UPLIGHT CABLE MOUNT

OPEN

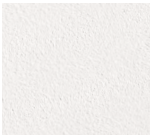


FLUSH

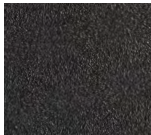


HOUSING FINISH DETAILS

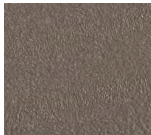
WHITE



BLACK



BRONZE



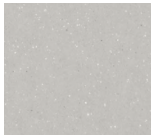
NICKEL



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" Compact 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_)



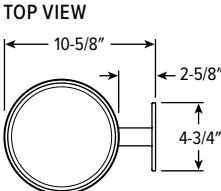
Provided with:

- 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

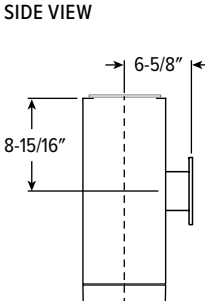
WALL MOUNT (WM)



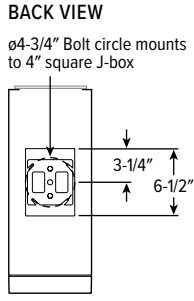
TOP VIEW



SIDE VIEW



BACK VIEW



CORD OPTIONS

Must specify cord when cable mounting.

ORDERING EXAMPLE: S2438/W				
CORD TYPE	LENGTH	# CONDUCTORS	WIRE SIZE	COLOR
S Straight	24 24"	3 3	8 18-gauge	Standard
	48 48"	4 4		/W White
	96 96"	5 5		/B Black
		6 6		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

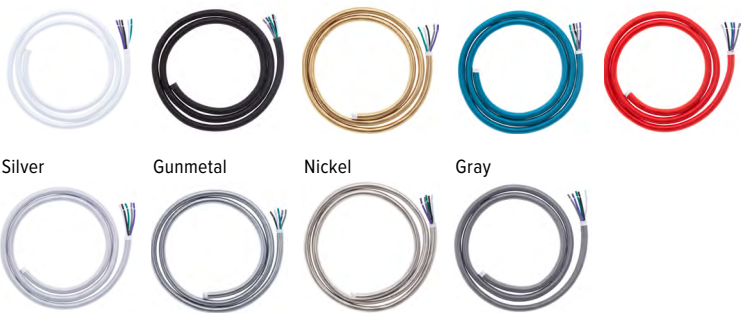
Red

Silver

Gunmetal

Nickel

Gray



 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 5 of 5