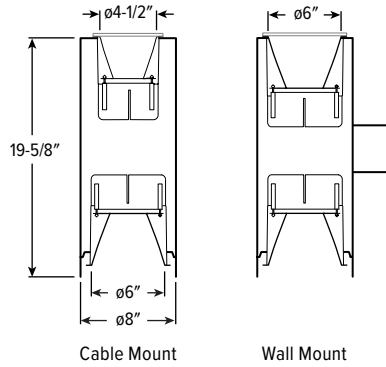


8CRDI dim to **WARM**

8" Compact Direct/Indirect Cylinder – Round



CATALOG #: _____

TYPE: _____

PROJECT: _____



ORDERING EXAMPLE: 8CRDI - TL - 20 - L25/9DWU/L25/9DWD - RDB - OPTIONS - WHT - DIM1 - UNV - LW/LM - CS - TRIM OPTIONS - CM |
 HOUSING TRIM MOUNT.

HOUSING

SERIES	HEIGHT	LUMEN PACKAGE (Example: L25/9DWU/L15/9DWD)	REMOTE	OPTIONS
8CRDI - TL	20 20"	Specify lumen packages: U for Up and D for Down	RDB Remote mount control/driver box, galvanized steel ^[1]	See page 4 for EMERGENCY BATTERY OPTIONS.
TrimLock		LUMENS ^[2] COLOR U OR D		F Fuse
		L8 800lm 9DW Dim to warm (95 CRI, 1800K – 3000K) U Uplight		
		L15 1,500lm D Downlight		
		L25 2,500lm		

HOUSING FINISH	CONTROL	VOLTAGE
ALUM Silver sparkle aluminum	See page 4 for CONTROL DETAILS.	UNV 120-277V
BLK Textured black		347 347V
BRZ Textured bronze	DIM1 1% dimming driver (0-10V signal to control dimming and CCT)	
NKL Textured nickel	LUT Lutron Ecosystem enabled	
SLV Textured silver		
WHT Textured white		

TRIM

TRIM TYPE AND DISTRIBUTION ^[3] (Example Uplight/Downlight: LW/LM)	DISTRIBUTION	REFLECTOR FINISH ^[4]	TRIM OPTIONS
TRIM TYPE		Downlight Open Trim Types	Downlight Lens Trim Types
Uplight	Uplight	CS Clear semi-specular anodize	CS Clear semi-specular powder coat
O Open reflector with clear glass shield ^[8]	W 65° Wide	SG Satin-glow anodize	WH White texture powder coat
L Flush lens ^[9]	M 35° Medium ^[10]	GD Gold anodize	BL Black texture powder coat
	N 10° Narrow ^[11]	CG Champagne gold anodize	BZ Bronze texture powder coat
Downlight		PW Pewter anodize	NK Nickel texture powder coat
O Open reflector	Downlight	SPC Clear specular anodize	SV Silver texture powder coat
L Flush lens	W 65° Wide	RG Rose gold anodize	AL Silver sparkle aluminum
R Regressed lens	M 35° Medium	WH White texture powder coat	
	N 10° Narrow	BL Black texture powder coat	AD Diffuse acrylic lens ^[5]
			PD Diffuse 1/8" polycarbonate lens ^[6]
			TD Diffuse polycarbonate lens media at top of open reflector ^[7]

MOUNTING

MOUNTING TYPE^[12]

CM__ Adjustable aircraft cable mount, 24", 48", 96", or 144" only, must specify. Example: 24" cable = **CM24**^[13]

WM Wall mount

NOTES

- ¹ Painted driver box available, specify RDB/BLK or RDB/WHT.
- ² Lumen output based on O Trim Type, W Distribution and CS Reflector Finish, 95 CRI/3000K CCT. Actual performance may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA.
- ³ Beam angle based on O Trim Type, WM Mounting Type and CS Reflector Finish. Trim Type affects beam angle. See page 2 for FIXTURE PERFORMANCE DATA.
- ⁴ Specified for Downlight Trim Type only. See page 5 for REFLECTOR FINISH DETAILS.
- ⁵ Not available with O Trim Type. Downlight only. W Distribution only.
- ⁶ Not available with O Trim Type. Downlight only. W Distribution only.
- ⁷ O Trim Type only. Downlight 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 O Trim Type only.
- ¹¹ O Trim Type only.
- ¹² See page 5 for MOUNTING DETAILS.
- ¹³ Canopy painted white unless specified otherwise. Must specify cord. See page 5 for CORD OPTIONS.

8CRDI dim to WARM

8" Compact Direct/Indirect Cylinder – Round

FEATURES

- Mimic the comfortable, welcoming glow of incandescent with warm-dimming technology
- Engineered to deliver great performance in a sleek, space-saving design
- High-output illumination for tall ceilings
- 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

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 C.O.B. LED array. Modular quick-connect plug for easy field-connection of LED light assembly to driver. Reported L70>55,000 hours. Reported L90>55,000 hours. Estimated L70 = 200,000 hours.
- 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.
 - Complies with the Buy American Act and other federal regulations. Request certification at hew.com/baa.
- 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)	
L8	W	14.0	887	63	739	53	716	51	14.0	808	58	14.0	731	52	568	41
	M	14.0	860	61	797	57	775	55	14.0	784	56	14.0	704	50	–	–
	N	14.0	823	59	802	57	781	56	14.0	750	54	14.0	678	48	–	–
L15	W	23.4	1554	66	1296	55	1254	54	23.4	1416	61	23.4	1281	55	996	43
	M	23.4	1508	64	1397	60	1359	58	23.4	1374	59	23.4	1234	53	–	–
	N	23.4	1442	62	1405	60	1370	59	23.4	1314	56	23.4	1189	51	–	–
L25	W	37.7	2471	66	2123	56	2054	54	37.7	2252	60	37.7	1889	50	1632	43
	M	37.7	2465	65	2284	61	2226	59	37.7	2246	60	37.7	1887	50	–	–
	N	37.7	2518	67	2302	61	2243	59	37.7	2295	61	37.7	1889	50	–	–

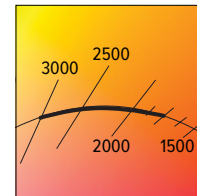
MULTIPLIER TABLES

	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	

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

BEAM ANGLE

	TRIM TYPE					
	DOWNLIGHT			WM UPLIGHT	CM UPLIGHT	
	OPEN	FLUSH	REGRESSED	OPEN	OPEN	FLUSH
W	65°	55°	55°	65°	65°	50°
M	35°	35°	35°	35°	45°	35°
N	10°	25°	25°	10°	10°	25°



- Distribution will also be affected, consult factory.
 - 3000K CCT at 100% (full output) and 1800K CCT at 1% (full dim)
 - 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, 95 CRI/3000K 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.

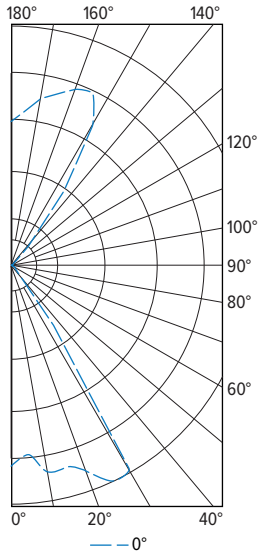
PHOTOMETRY CONTINUED ON NEXT PAGE.



8CRDI dim to **WARM** 8" Compact Direct/Indirect Cylinder – Round

PHOTOMETRY

8CRDI-TL-20-L25/9DWU/L25/9DWD-WHT-DIM1-UNV-OW/OW-CS-WM Total Luminaire Output: 4857 lumens; 75.4 Watts | Efficacy: 64 lm/W | 95 CRI; 3000K CCT

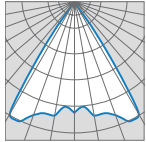


CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	2078	
	5	1963	196
	15	2157	620
	25	2464	1113
	35	751	604
	45	57	48
	55	16	17
	65	2	3
	75	0	0
	85	0	1
	90	4	
	95	5	6
	105	8	8
	115	12	13
	125	26	24
	135	66	72
	145	939	576
	155	1970	878
	165	1827	522
	175	1598	158
	180	1482	

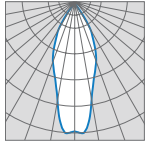
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
		0 - 30	1929
	0 - 40	2533	52
	0 - 60	2597	54
	0 - 90	2601	54
	90 - 120	26	1
	90 - 150	699	14
	90 - 180	2256	47
	0 - 180	4857	100

WALL MOUNT

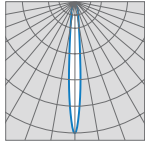
OPEN



65°

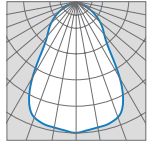


35°

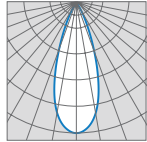


10°

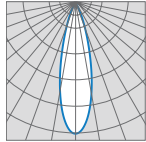
FLUSH



55°

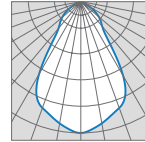


35°

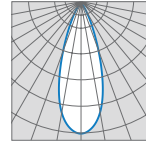


25°

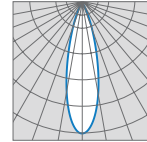
REGRESSED



55°



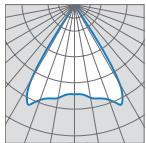
35°



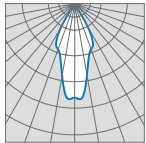
25°

UPLIGHT CABLE MOUNT

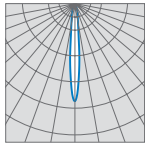
OPEN



65°

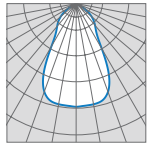


45°

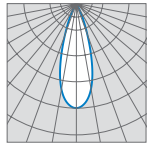


10°

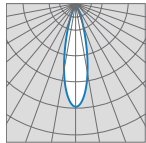
FLUSH



50°



35°



25°

SEE NEXT PAGE FOR CONTROL DETAILS.



8CRDI dim to WARM

8" Compact Direct/Indirect Cylinder – Round

CONTROL DETAILS

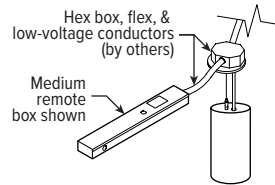
If using two different stops for U/D, see highest lumen stop for RDB.

CONTROL	DESCRIPTION	RDB DETAILS BY LUMEN STOP			
		L8	L15	L25	w/EM
DIM1	1% dimming driver (0-10V signal to control dimming and CCT) prewired for low voltage applications	RIS	RIS	RIM	RIL
LUT	Lutron Ecosystem enabled	RIM	RIM	RIM	RIL

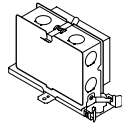
REMOTE MOUNT KEY	
RIS	RDB Required, Small Box
RIM	RDB Required, Medium Box
RIL	RDB Required, Large Box

REMOTE MOUNT DETAILS

Max remote distance is 50' including suspension. Must be room-side accessible for maintenance.



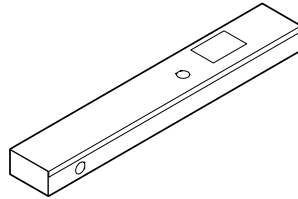
SMALL



Snap-in Junction Box

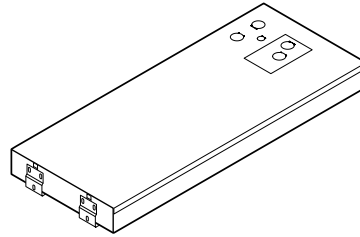
6-1/2" x 3" x 4-1/2"

MEDIUM



3-1/2" x 24" x 2"

LARGE



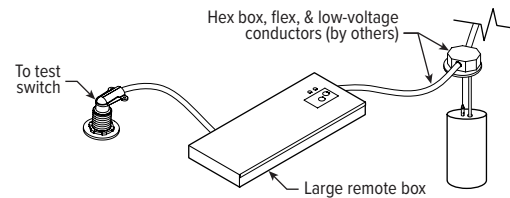
9" x 24" x 2"

EMERGENCY BATTERY OPTIONS

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.

CATALOG NUMBER	DESCRIPTION
EM/7WRM/RTS	Remote mount 7-watt emergency battery with regressed test switch
EM/10WRM/RTS	Remote mount 10-watt emergency battery with regressed test switch
EM/12WRM/RTS	Remote mount 12-watt emergency battery with regressed test switch ^[1]

¹ Not available when CEC regulations are required.



TRIMLOCK DETAILS

TWIST



PULL



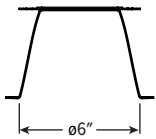
RELEASE



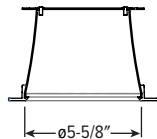
TRIM TYPE DETAILS

DOWNLIGHT

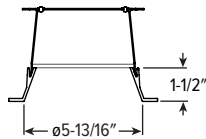
OPEN



FLUSH

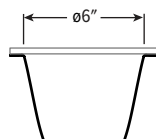


REGRESSED



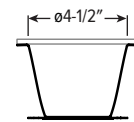
UPLIGHT WALL MOUNT

OPEN

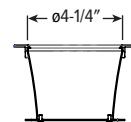


UPLIGHT CABLE MOUNT

OPEN

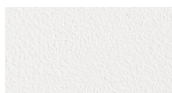


FLUSH



HOUSING FINISH DETAILS

WHITE



BLACK



BRONZE



NICKEL



SILVER



ALUM



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.



8CRDI dim to WARM

8" Compact Direct/Indirect Cylinder – Round

REFLECTOR FINISH DETAILS

Smooth Finish



Textured Finish



MOUNTING DETAILS

CABLE MOUNT (CM_)



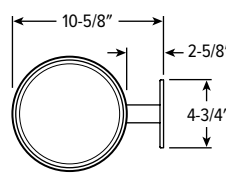
Provided with:

- 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

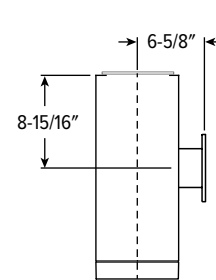
WALL MOUNT (WM)



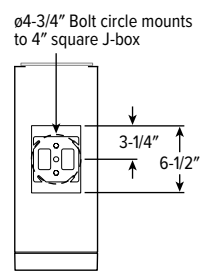
TOP VIEW



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
	48	4		/W White
	96	5		/B Black
		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.

