8CRDI LED
8″ Direct/Indirect Cylinder – Round

Williams®

ø4-1/2″   ø6″

25-5/8″

ø6″
ø8″

Cable Mount   Wall Mount

CATALOG #: _____

TYPE: _____

PROJECT: _____

BUY AMERICAN ACT COMPLIANT   TrimLock®

ORDERING EXAMPLE: 8CRDI - TL - 26 - L20/835U/L20/835D - OPTIONS - WHT - CONTROL/DIM - UNV - LW/LM - CS - TRIM OPTIONS - CM

— HOUSING —   — TRIM —   MOUNT.

HOUSING

SERIES	HEIGHT	LUMEN PACKAGE (Example: L20/835U/L15/835D)				OPTIONS	HOUSING FINISH	CONTROL	DRIVER	VOLTAGE

8CRDI - TL
TrimLock

26 26″

Specify lumen packages: **U** for Up and **D** for Down

LUMENS [7]

		CRI	CCT	U OR D
L10	1,000lm	**8** 80	**27** 2700K	**U** Uplight
L20	2,000lm	**9** 90	**30** 3000K	**D** Downlight
L30	3,000lm		**35** 3500K	
L40	4,000lm		**40** 4000K	
L50	5,000lm		**50** 5000K	
L60	6,000lm			
L70	7,000lm			
L80	8,000lm [8]			

OPTIONS

See page 4 for EMERGENCY BATTERY OPTIONS.

F Fuse
RDB Remote mount control/driver box, galvanized steel [1]

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 ADDITIONAL CONTROL/DRIVER OPTIONS.

– None
AVI-LVFA Avi-on wireless fixture control [2]
AWNR Lutron Athena wireless node fixture control, RF only [3]

DRIVER

See page 4 for ADDITIONAL CONTROL/DRIVER OPTIONS.

DIM Entire fixture switches and dims together [4]
DIM1 1% Dimming driver, 0-10V
DA Driver with 12V auxiliary power, without external dimming wires [5]

VOLTAGE

UNV 120-277V
347 347V [6]

TRIM

TRIM TYPE AND DISTRIBUTION [9]

(Example Uplight/Downlight: **LW/LM**)

TRIM TYPE

Uplight
O Open reflector with clear glass shield [14]
L Flush lens [15]

Downlight
O Open reflector
L Flush lens
R Regressed lens

DISTRIBUTION

Uplight
W 65° Wide
M 35° Medium [16]
N 10° Narrow [17]

Downlight
W 65° Wide
M 35° Medium [18]
N 10° Narrow [19]

REFLECTOR FINISH [10]

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 [11]
PD Diffuse 1/8″ polycarbonate lens [12]
TD Diffuse polycarbonate lens media at top of open reflector [13]

MOUNTING

MOUNTING TYPE [20]

CM__ Adjustable aircraft cable mount, 24″, 48″, 96″, or 144″ only, must specify. Example: 24″ cable = **CM24** [21]
WM Wall mount

NOTES

1 Painted driver box available, specify RDB/BLK or RDB/WHT.
2 DA Driver only. See page 6 for AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS.
3 DA Driver only. Installed in remote box, must specify RDB Option.
4 Requires 5 conductor cord.
5 Avi-on and Lutron Athena Controls only.
6 Not available with EM batteries, DA, or DMX drivers.
7 Lumen output based on O Trim Type, W Distribution and CS Reflector Finish, 80 CRI/3500K CCT. Actual performance may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA.
8 Installed in remote box, must specify RDB Option.
9 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.
10 Specified for Downlight Trim Type only. See page 5 for REFLECTOR FINISH DETAILS.
11 Not available with O Trim Type. Downlight only. W Distribution only.

12 Not available with O Trim Type. Downlight only. W Distribution only.
13 O Trim Type only. Downlight only. L50 lumen package max.
14 CS Reflector Finish standard. Other colors available, consult factory.
15 Not available with WM Mounting Type. Trim finish matches Housing Finish. Other colors available, consult factory.
16 O Trim Type only.
17 O Trim Type only.
18 Not available with lumen stops L50 and higher when specified with L or R Trim Types.
19 Not available with lumen stops L50 and higher when specified with L or R Trim Types.
20 See page 5 for MOUNTING DETAILS.
21 Not available with lumen stops L70 and higher when specified with Uplight. Canopy painted white unless specified otherwise. Must specify cord. See page 5 for CORD OPTIONS.

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Cylinders
Page 1 of 6

8CRDI LED
8″ Direct/Indirect Cylinder – Round

FEATURES

- 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
- 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

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. 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.
  - 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.		DOWNLIGHT WATTAGE	OPEN REFLECTOR DELIVERED LUMENS	OPEN REFLECTOR EFFICACY (lm/W)	FLUSH LENS DELIVERED LUMENS	FLUSH LENS EFFICACY (lm/W)	REGRESSED LENS DELIVERED LUMENS	REGRESSED LENS EFFICACY (lm/W)	UPLIGHT WALL MOUNT WATTAGE	OPEN REFLECTOR DELIVERED LUMENS	OPEN REFLECTOR EFFICACY (lm/W)	UPLIGHT CABLE MOUNT WATTAGE	OPEN REFLECTOR DELIVERED LUMENS	OPEN REFLECTOR EFFICACY (lm/W)	FLUSH LENS DELIVERED LUMENS	FLUSH LENS EFFICACY (lm/W)
L10	W	8.7	1014	117	674	77	660	76	8.6	924	107	9.0	871	97	681	76
L10	M	8.7	982	113	895	103	895	103	8.6	895	104	9.0	847	94	–	–
L10	N	8.7	1003	115	914	105	882	101	8.6	914	106	9.0	848	94	–	–
L20	W	19.1	1988	104	1352	71	1323	69	18.9	1812	96	19.8	1700	86	1366	69
L20	M	19.1	1983	104	1794	94	1795	94	18.9	1807	96	19.8	1697	86	–	–
L20	N	19.1	2026	106	1833	96	1769	93	18.9	1846	98	19.8	1699	86	–	–
L30	W	26.9	3062	114	2022	75	1979	74	26.6	2790	105	27.8	2531	91	2043	73
L30	M	26.9	3003	112	2683	100	2685	100	26.6	2736	103	27.8	2459	88	–	–
L30	N	26.9	3000	112	2741	102	2646	98	26.6	2734	103	27.8	2318	83	–	–
L40	W	36.5	4094	112	2695	74	2638	72	36.1	3731	103	38.0	3373	89	2722	72
L40	M	36.5	4016	110	3577	98	3579	98	36.1	3660	101	38.0	3277	86	–	–
L40	N	36.5	4011	110	3654	100	3527	97	36.1	3655	101	38.0	3089	81	–	–
L50	W	43.9	5014	114	3364	77	3292	75	43.4	4569	105	45.2	4344	96	3398	75
L50	M	43.9	4935	112	–	–	–	–	43.4	4497	104	45.2	4202	93	–	–
L50	N	43.9	5047	115	–	–	–	–	43.4	4599	106	45.2	4085	90	–	–
L60	W	46.8	6021	129	4594	98	4248	91	46.8	5201	111	50.6	5372	106	4046	80
L60	M	46.8	5926	127	–	–	–	–	46.8	5120	109	–	–	–	–	–
L60	N	46.8	6061	130	–	–	–	–	46.8	5237	112	–	–	–	–	–
L70	W	53.5	7042	132	5371	100	4972	93	53.5	6417	120	–	–	–	–	–
L70	M	53.5	6932	130	–	–	–	–	53.5	6317	118	–	–	–	–	–
L70	N	53.5	7090	133	–	–	–	–	53.5	6461	121	–	–	–	–	–
L80		61.8	8030	130	6127	99	5669	92	61.8	7364	119	–	–	–	–	–
L80		61.8	7902	128	–	–	–	–	61.8	7246	117	–	–	–	–	–
L80		61.8	8086	131	–	–	–	–	61.8	7414	120	–	–	–	–	–

MULTIPLIER TABLES

COLOR TEMPERATURE

	CCT	CONVERSION FACTOR
80 CRI	2700K	0.92
80 CRI	3000K	0.98
80 CRI	3500K	1.00
80 CRI	4000K	1.01
80 CRI	5000K	1.02
90 CRI	2700K	0.76
90 CRI	3000K	0.79
90 CRI	3500K	0.82
90 CRI	4000K	0.84
90 CRI	5000K	0.88

REFLECTOR FINISH

	CATALOG NUMBER	CONVERSION FACTOR
O TRIM	CS	1.00
O TRIM	SG [1]	0.92
O TRIM	GD	0.93
O TRIM	CG	0.96
O TRIM	PW	0.86
O TRIM	SPC	1.02
O TRIM	RG	0.88
O TRIM	WH [1]	0.89
O TRIM	BL [1]	0.47
R TRIM	WH	1.00
R TRIM	CS [1]	0.98
R TRIM	BL [1]	0.79
R TRIM	BZ [1]	0.76
R TRIM	NK [1]	0.81
R TRIM	SV [1]	0.81
R TRIM	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°

1 Distribution will also be affected, consult factory.

- 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/3500K 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.

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Cylinders
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8CRDI LED
8″ Direct/Indirect Cylinder — Round

PHOTOMETRY

8CRDI-TL-26-L20/835U/L20/835D-DIM-UNV-OW/OW-CS-WM Total Luminaire Output: 3919 lumens; 36.9 Watts | Efficacy: 106 lm/W | 80 CRI; 3500K CCT
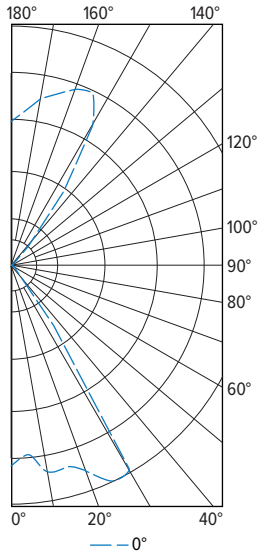
CANDLEPOWER DISTRIBUTION

VERTICAL ANGLE	HORIZONTAL ANGLE 0°	ZONAL LUMENS
0	1672	
5	1579	158
15	1735	498
25	1982	895
35	604	490
45	46	39
55	13	13
65	2	3
75	0	0
85	0	1
90	4	
95	4	5
105	6	7
115	10	10
125	21	20
135	53	67
145	755	469
155	1585	699
165	1470	420
175	1285	126
180	1193	

LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0 - 30	1551	40
0 - 40	2041	52
0 - 60	2093	53
0 - 90	2097	54
90 - 120	21	1
90 - 150	578	15
90 - 180	1822	47
0 - 180	3919	100

WALL MOUNT

OPEN
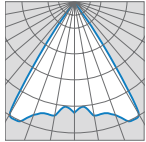
65°
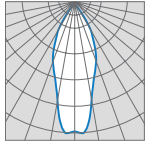
35°
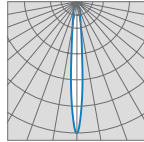
10°

FLUSH
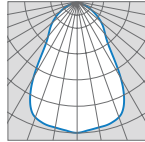
55°
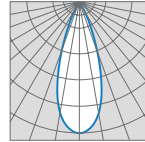
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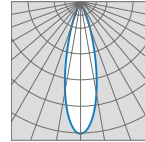
25°

REGRESSED
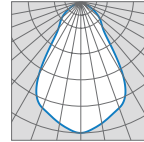
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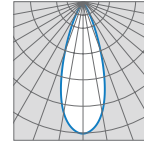
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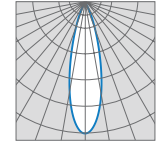
25°

UPLIGHT CABLE MOUNT

OPEN
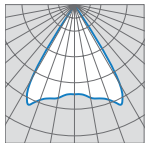
65°
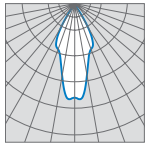
45°
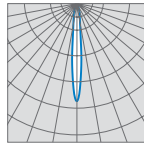
10°

FLUSH
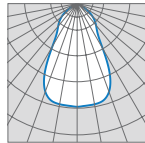
50°
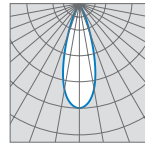
35°
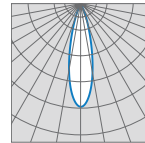
25°

SEE NEXT PAGE FOR ADDITIONAL CONTROL/DRIVER OPTIONS

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Cylinders
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8CRDI LED
8″ Direct/Indirect Cylinder – Round

ADDITIONAL CONTROL/DRIVER OPTIONS

Lumen restrictions apply: L40 max for DMX and LDE1 drivers, L60 max for DALI driver, L15 min to L60 max for DIM LINE driver. 347V only available with DIM and DIM1 drivers. If using two different stops for U/D, see highest lumen stop for RDB.

DRIVER/CONTROL	DESCRIPTION	RDB DETAILS BY LUMEN STOP								
		L10	L20	L30	L40	L50	L60	L70	L80	w/EM
DIM	Dimming driver prewired for 0-10V low voltage applications; entire fixture switches and dims together	O|S	O|S	O|S	O|L	O|L	O|L	O|L	R|L	R|L
DIMU/DIMD	Dimming driver prewired for 0-10V low voltage applications; up and down portions switch and dim separately	O|S	O|S	O|S	O|L	O|L	O|L	O|L	R|L	R|L
DIM1	1% dimming driver prewired for 0-10V low voltage applications	O|S	O|S	O|S	O|L	O|L	O|L	O|L	R|L	R|L
DIM1U/DIM1D	1% dimming driver prewired for 0-10V low voltage applications; up and down portions switch separately	O|S	O|S	O|S	O|L	O|L	O|L	O|L	R|L	R|L
DIM LINE	Line voltage dimming driver (TRIAC and ELV compatible, 120V only)	—	O|S	O|S	O|L	O|L	O|L	—	R|L	R|L
DIM LINEU/DIM LINED	Line voltage switching and line voltage dimming; up and down portions switch separately	—	O|S	O|S	O|L	O|L	O|L	—	R|L	R|L
DMX	0.1% dimming driver for DMX controls	R|L	R|L	R|L	R|L	—	—	—	—	R|L
DMX/DMX	0.1% dimming driver for DMX controls; up and down portions switch separately	R|L	R|L	R|L	R|L	—	—	—	—	R|L
DALI	DALI dimming driver	O|L	O|L	O|L	O|L	O|L	—	—	—	R|L
DALI/DALI	DALI dimming driver; up and down portions switch separately	O|L	O|L	O|L	O|L	O|L	—	—	—	R|L
LDE1	Lutron Hi-lume 1% EcoSystem dimming LED driver	O|L	O|L	O|L	O|L	—	—	—	—	R|L
LDE1/LDE1	Lutron Hi-lume 1% EcoSystem dimming LED driver; up and down portions switch separately	O|L	O|L	O|L	O|L	—	—	—	—	R|L
AVI-LVFA/DA	Avi-on wireless fixture control for use with driver with 12V auxiliary power. Up and down switch together.	O|L	O|L	O|L	O|L	O|L	O|L	O|L	R|L	R|L
AVI-LVFA/DA-U/D	Avi-on wireless fixture control for use with driver with 12V auxiliary power. Up and down switch separately.	O|L	O|L	O|L	O|L	O|L	O|L	O|L	R|L	R|L
AWNR/DA	Lutron Athena wireless node fixture control, RF only, for use with driver with 12V auxiliary power. Up and down switch together.	R|S	R|S	R|S	R|L	R|L	R|L	R|L	R|L	R|L
AWNR/DA-U/D	Lutron Athena wireless node fixture control, RF only, for use with driver with 12V auxiliary power. Up and down switch separately.	R|S	R|S	R|S	R|L	R|L	R|L	R|L	R|L	R|L

REMOTE MOUNT DETAILS
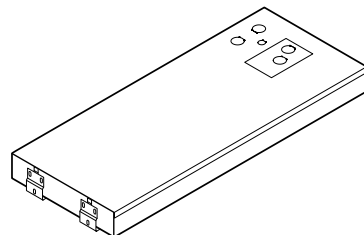Max remote distance is 50′ including suspension. Must be room-side accessible for maintenance.

Hex box, flex, & low-voltage conductors (by others)

Small remote box shown
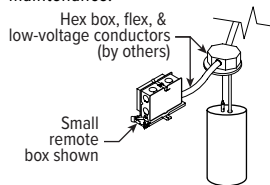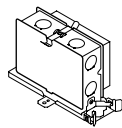
SMALL

Snap-in Junction Box

6-1/2″ x 3″ x 4-1/2″

LARGE

9″ x 24″ x 2″

REMOTE MOUNT KEY	
R|S	RDB Required, Small Box
O|S	RDB Optional, Small Box
R|L	RDB Required, Large Box
O|L	RDB Optional, Large Box

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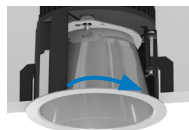
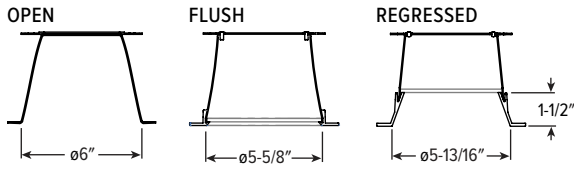| CATALOG NUMBER	DESCRIPTION
EM/7WRM/RTS	Remote mount 7-watt emergency battery with regressed test switch
EM/10WRM/RTS	Remote mount 10-watt emergency battery with regressed test switch
EM/12WRM/RTS	Remote mount 12-watt emergency battery with regressed test switch [1]

1 Not available when CEC regulations are required.

Hex box, flex, & low-voltage conductors (by others)

To test switch

Large remote box
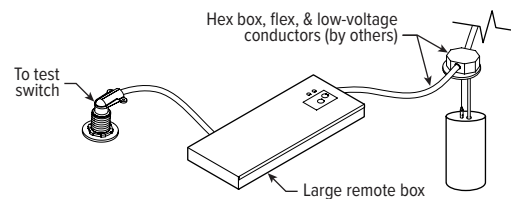
TRIMLOCK DETAILS

TWIST

PULL

RELEASE

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Cylinders
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8CRDI LED
8″ Direct/Indirect Cylinder – Round

TRIM TYPE DETAILS

DOWNLIGHT

OPEN	FLUSH	REGRESSED
ø6″	ø5-5/8″	ø5-13/16″ 1-1/2″

UPLIGHT WALL MOUNT
OPEN
ø6″

UPLIGHT CABLE MOUNT
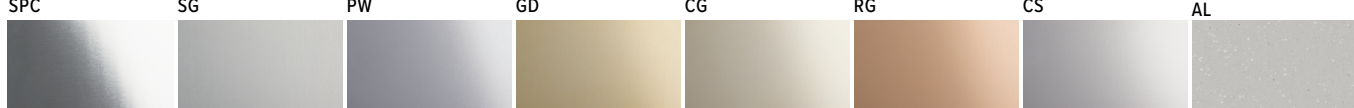| OPEN	FLUSH
ø4-1/2″	ø4-1/4″

HOUSING FINISH DETAILS

WHITE BLACK BRONZE NICKEL SILVER ALUM
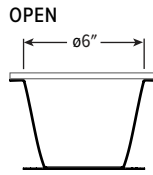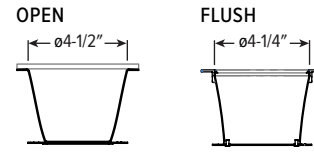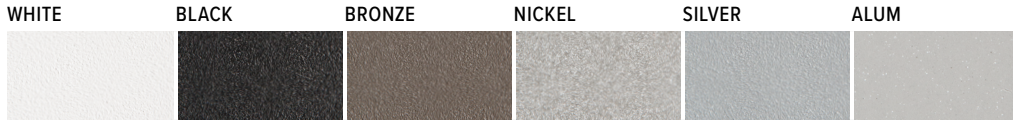
For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require two sample swatches, minimum 1″ square.

REFLECTOR FINISH DETAILS

Smooth Finish
SPC SG PW GD CG RG CS AL

Textured Finish
WH BL BZ NK SV
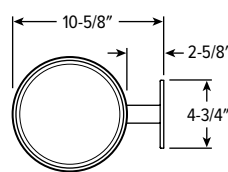
MOUNTING DETAILS

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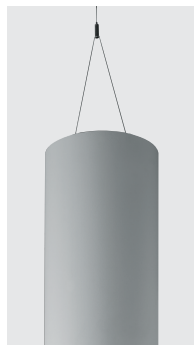
Provided with:
- Adjustable length aircraft cable, must specify length in 24″, 48″, 96″, or 144″ inches.
- 18-gauge cord, see Cord Options for ordering info.
- One 5″ canopy
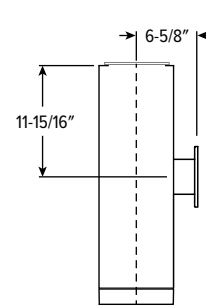- T-bar clip with 1/4-20 stud
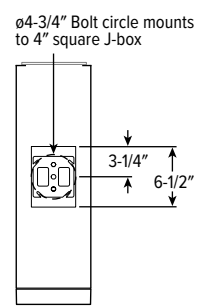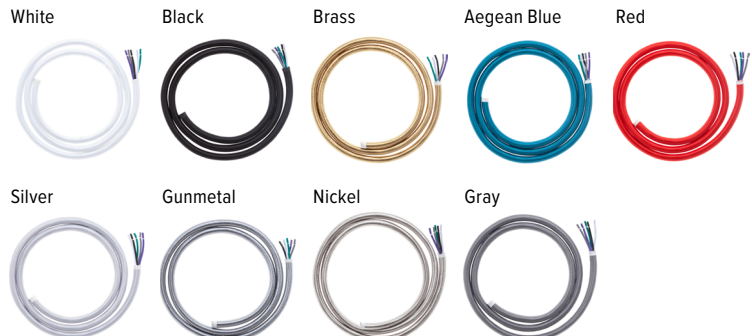- Hard ceiling anchor provided by others

WALL MOUNT (WM)

TOP VIEW
10-5/8″
2-5/8″
4-3/4″

SIDE VIEW
6-5/8″
11-15/16″

BACK VIEW
ø4-3/4″ Bolt circle mounts to 4″ square J-box
3-1/4″
6-1/2″

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

COLOR DETAILS
Additional colors may be available, consult factory.

White Black Brass Aegean Blue Red

Silver Gunmetal Nickel Gray

[1] (5) conductors cord only.

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Cylinders
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8CRDI LED
8″ Direct/Indirect Cylinder — Round

AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS

FEATURES

Simple
- Gateway-free distributed control
- Factory pre-commissioning
- Contractor friendly installation
- Occupancy/vacancy/daylight sensing

Scalable
- Virtually unlimited network size
- Spans small offices to large warehouses
- Flexible control strategies

Secure
- Optional cloud connectivity
- UL IoT platinum security rating
- DLC 5.0 compliant

COMMISSIONING & INSTALLATION TOOLS

Avi-on mobile apps provide intuitive, quick installation and commissioning. Pro tools are available to qualified installers. Live commissioning training and on-site or remote support by Avi-on must be ordered separately through Avi-on.
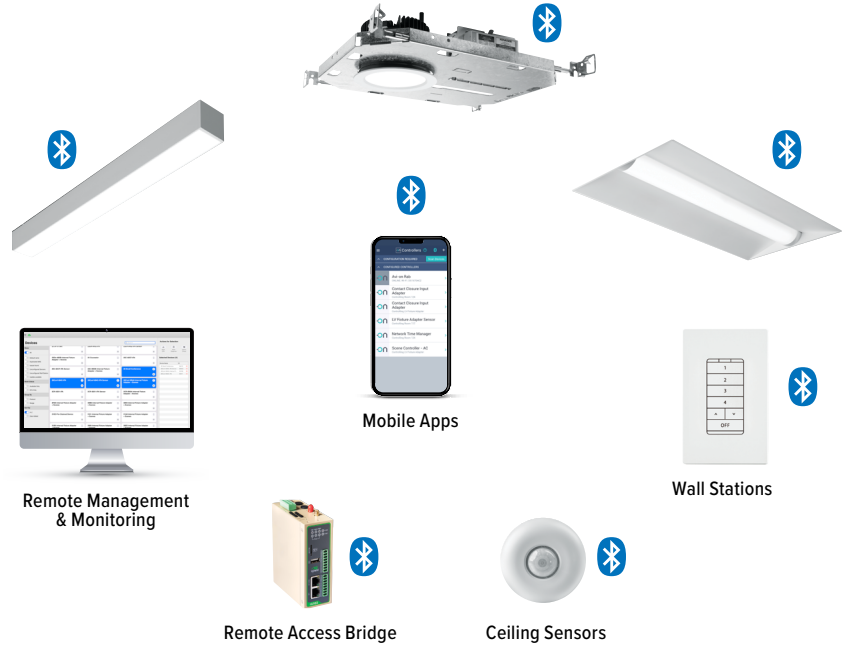
Commissioning Mobile App

Zone Scanner Web App

Commissioning Pro App

SYSTEM COMPONENTS

Remote Management & Monitoring

Mobile Apps

Wall Stations

Remote Access Bridge

Ceiling Sensors

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ACCESSORIES

WALL STATIONS	
AVI-2401AC	Scene controller - numbered 1-4, 120-277VAC
AVI-2402BAT	Scene controller - numbered 1-4, battery powered
AVI-2401AC-2	Dimmer with presets - percentages, 120-277VAC
AVI-2402BAT-2	Dimmer with presets - percentages, battery powered
AVI-2401AC-3	On/off/dimming, 120-277VAC
AVI-2402BAT-3	On/off/dimming, battery powered

NETWORK	
AVI-RAB-LTE	Remote access bridge
AVI-KIT-NTM	Network time manager with battery backup

CEILING MOUNT SENSORS	
AVI-KIT-SEN-DUCM	PIR motion and ultrasonic sensor kit
AVI-KIT-SEN-ICM	PIR motion and photocell sensor kit

For load controllers and additional accessory info, see hew.com/avi-on

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Cylinders
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