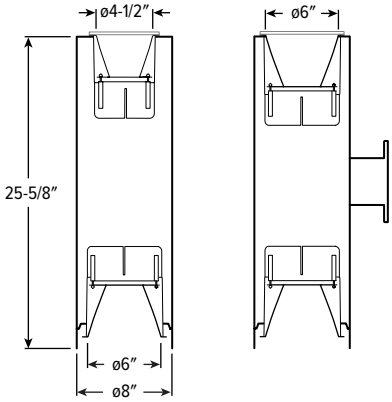
8CRDI LED
8″ Direct/Indirect Cylinder – Round



Cable Mount Wall Mount

CATALOG #: _____

TYPE: _____

PROJECT: _____

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
8CRDI - TL TrimLock

HEIGHT
26 26″

LUMEN PACKAGE (Example: L20/835U/L15/835D)
Specify lumen packages: **U** for Up and **D** for Down

LUMENS [2]		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						

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 ADDITIONAL CONTROL/DRIVER OPTIONS.

– None
AVI-LVFA Avi-on wireless fixture control [3]
AWNR Lutron Athena wireless node fixture control, RF only [4]

DRIVER
See page 4 for ADDITIONAL CONTROL/DRIVER OPTIONS.

DIM Entire fixture switches and dims together [5]
DIM1 1% Dimming driver, 0-10V
DA Driver with 12V auxiliary power, without external dimming wires [6]

VOLTAGE
UNV 120-277V
347 347V [7]

TRIM

TRIM TYPE AND DISTRIBUTION
(Example Uplight/Downlight: **LW/LM**)

TRIM TYPE

Uplight
- **O** Open reflector with clear glass shield [11]
- **L** Flush lens [12]

Downlight
- **O** Open reflector
- **F** Open reflector with frosted top diffuser [13]
- **L** Flush lens
- **R** Regressed lens

DISTRIBUTION
See page 2 for BEAM ANGLE.

Uplight
- **W** Wide
- **M** Medium [14]
- **N** Narrow [15]

Downlight
- **W** Wide
- **M** Medium [16]
- **N** Narrow [17]

REFLECTOR FINISH [8]

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 [9]
- **PD** Diffuse 1/8″ polycarbonate lens [10]

MOUNTING

MOUNTING TYPE [18]
CM__ Adjustable aircraft cable mount, 24″, 48″, 96″, or 144″ only, must specify. Example: 24″ cable = **CM24** [19]
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 the 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/3500K CCT. Actual performance may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA.
3 DA Driver only.
4 DA Driver only. Installed in remote box, must specify RDB Option.
5 Requires 5 conductor cord.
6 Avi-on and Lutron Athena Controls only.
7 Not available with EM batteries, DA, or DMX drivers.
8 Specified for Downlight Trim Type only. See page 5 for REFLECTOR FINISH DETAILS.
9 Not available with O or F Trim Types. Downlight only. W Distribution only.
10 Not available with O or F Trim Types. Downlight only. W Distribution only.
11 CS Reflector Finish standard. Other colors available, consult factory.
12 Not available with WM Mounting Type. Trim finish matches Housing Finish. Other colors available, consult factory.
13 L50 lumen package max.
14 O Trim Type only.
15 O Trim Type only.
16 Not available with lumen stops L50 and higher when specified with L or R Trim Types.
17 Not available with lumen stops L50 and higher when specified with L or R Trim Types.
18 See page 5 for MOUNTING DETAILS.
19 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.

8CRDI LED
8″ Direct/Indirect Cylinder – Round

FEATURES

- 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
- 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 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. 50/60 Hz constant current driver.
- 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)
L10	W	8.7	1014	117	674	77	660	76	8.6	924	107	9.0	871	97	681	76
	M	8.7	982	113	895	103	895	103	8.6	895	104	9.0	847	94	–	–
	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
	M	19.1	1983	104	1794	94	1795	94	18.9	1807	96	19.8	1697	86	–	–
	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
	M	26.9	3003	112	2683	100	2685	100	26.6	2736	103	27.8	2459	88	–	–
	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
	M	36.5	4016	110	3577	98	3579	98	36.1	3660	101	38.0	3277	86	–	–
	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
	M	43.9	4935	112	–	–	–	–	43.4	4497	104	45.2	4202	93	–	–
	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
	M	46.8	5926	127	–	–	–	–	46.8	5120	109	–	–	–	–	–
	N	46.8	6061	130	–	–	–	–	46.8	5237	112	–	–	–	–	–
L70	W	53.5	7042	132	5371	100	4972	93	53.5	6417	120	–	–	–	–	–
	M	53.5	6932	130	–	–	–	–	53.5	6317	118	–	–	–	–	–
	N	53.5	7090	133	–	–	–	–	53.5	6461	121	–	–	–	–	–

MULTIPLIER TABLES

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

	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

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

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.

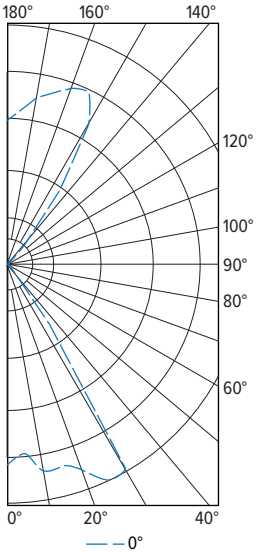
- Photometrics tested in accordance with IESNA LM-79. Results based on CS (O Trim Type) or WH (L and R Trim Types) Reflector Finish, W Distribution, 80 CRI/3500K CCT, average wattage for 120V input, and 25°C ambient temperature. Actual performance may vary +/-5%.
- Wattage is for downlight or uplight 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.

PHOTOMETRY CONTINUED ON NEXT PAGE.

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

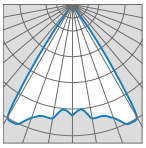
VERTICAL ANGLE	HORIZONTAL ANGLE 0°	ZONAL LUMENS
0	1672	
5	1579	158
15	1735	498
25	1982	895
35	604	490
45	46	39
55	13	13
65	2	3
75	0	0
85	0	1
90	4	
95	4	5
105	6	7
115	10	10
125	21	20
135	53	67
145	755	469
155	1585	699
165	1470	420
175	1285	126
180	1193	

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

DOWNLIGHT

OPEN (O)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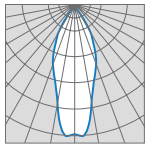
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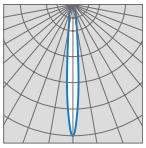
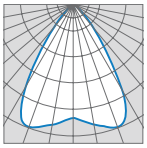

10° Narrow

OPEN TOP DIFFUSER (F)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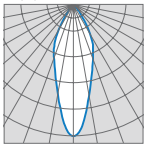
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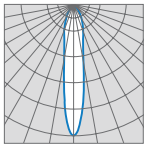
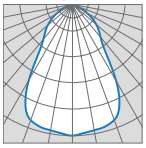

20° Narrow

FLUSH (L)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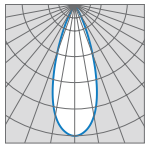
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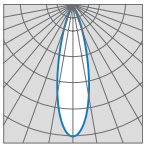
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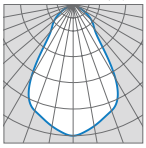
REGRESSED (R)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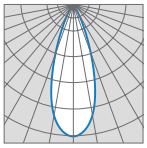
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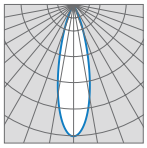
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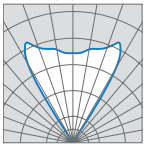
UPLIGHT CABLE MOUNT

OPEN (O)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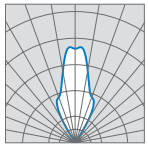
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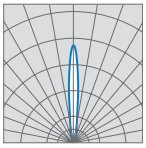
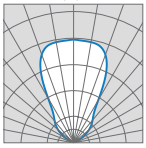

10° Narrow

FLUSH (L)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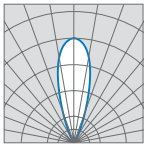
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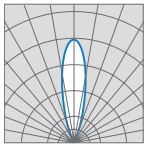

25° Narrow

SEE NEXT PAGE FOR ADDITIONAL CONTROL/DRIVER OPTIONS

8CRDI LED
8″ Direct/Indirect Cylinder – Round

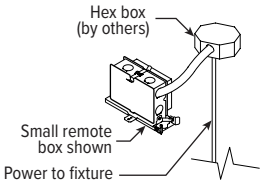
ADDITIONAL CONTROL/DRIVER OPTIONS

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.

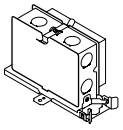
CONTROL/DRIVER	DESCRIPTION	RDB DETAILS BY LUMEN STOP							
		L10	L20	L30	L40	L50	L60	L70	w/EM
DIM	Dimming driver prewired for 0-10V low voltage applications; entire fixture switches and dims together	O | S	O | S	O | S	O | L	O | L	O | L	O | L	R | L
DIMU/DIMD	Dimming driver prewired for 0-10V low voltage 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
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
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
DIM LINE	Line voltage dimming driver (TRIAC and ELV compatible, 120V only)	—	O | S	O | S	O | L	O | L	O | 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
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
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
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
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

REMOTE MOUNT DETAILS

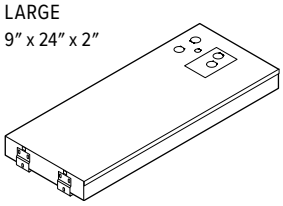
Max remote distance is 50′, connection by others. Must be room-side accessible for maintenance.



SMALL
Snap-in junction box
6-1/2″ x 3″ x 4-1/2″

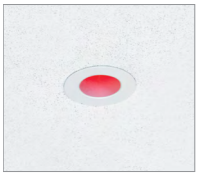


LARGE
9″ x 24″ x 2″



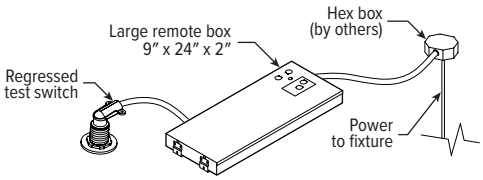
REMOTE MOUNT KEY	
R | S	RDB Required, Small Box
O | S	RDB Optional, Small Box
R | L	RDB Required, Large Box
O | L	RDB Optional, Large Box

EMERGENCY BATTERY DETAILS



Regressed test switch
ø1-3/4″

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



TRIMLOCK DETAILS

TWIST

PULL

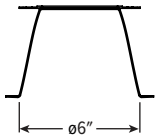
RELEASE

8CRDI LED
8″ Direct/Indirect Cylinder – Round

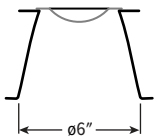
TRIM TYPE DETAILS

DOWNLIGHT

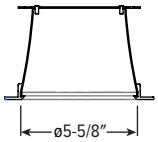
OPEN



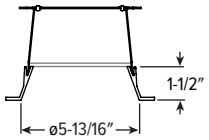
OPEN TOP DIFFUSER



FLUSH

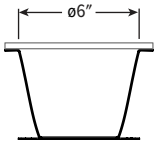


REGRESSED



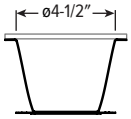
UPLIGHT WALL MOUNT

OPEN

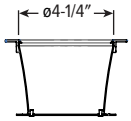


UPLIGHT CABLE MOUNT

OPEN



FLUSH



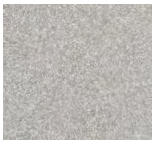
HOUSING FINISH DETAILS

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.

REFLECTOR FINISH DETAILS

Smooth Finish

SPC

SG

PW

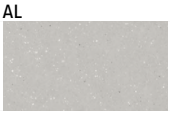
GD

CG

RG

CS

AL



Textured Finish

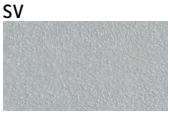
WH

BL

BZ

NK

SV



MOUNTING DETAILS

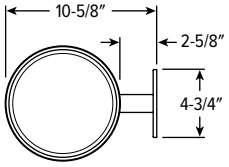
CABLE MOUNT (CM__)

Provided with:

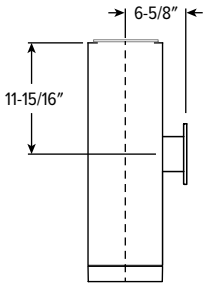
- Adjustable length aircraft cable, must specify length in 24″, 48″, 96″, or 144″ inches.
- 18-gauge cord, see Cord Options for ordering info.
- One 5″ canopy
- T-bar clip with 1/4-20 stud
- Hard ceiling anchor provided by others

WALL MOUNT (WM)

TOP VIEW

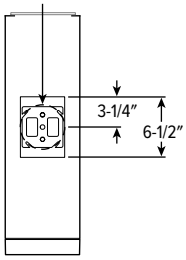


SIDE VIEW



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