LA LIGHTING®

STRIP LIGHT [LED]
STW100
2¼" WIDE STRIP LUMINAIRE

JOB	
TYPE	
DATE	

WWW.LALIGHTING.COM   TEL: 626-454-8300

SURFACE/SUSPENDED/WALL MOUNTED LED LUMINAIRE

DIMENSIONS

CROSS SECTION

2 ¼"
2"
2 ¾"
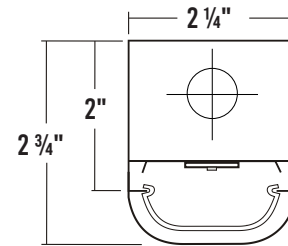
⊕ ⅞" K.O.   ✦ ¹¹⁄₁₆" STEM MTG. K.O.   ● ³⁄₁₆"MTG.HOLE   ●▬ V-HOOK

2' BACKPLATE
23"
3 ⁵⁄₈"
18 ¹⁵⁄₁₆" O/C
20 ⁵⁄₈" O/C

3' BACKPLATE
34 "
11"
26 ⁵⁄₁₆" O/C
28" O/C

4' BACKPLATE
46 "
38 ⁵⁄₁₆" O/C
40" O/C

92"
34"
16"
34"
72" O/C
86" O/C
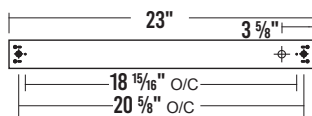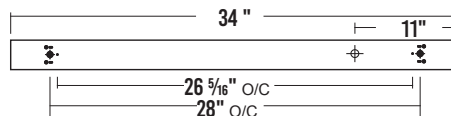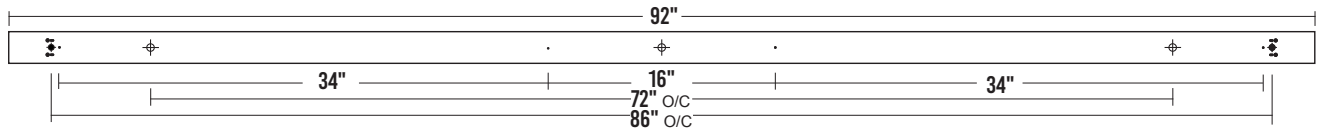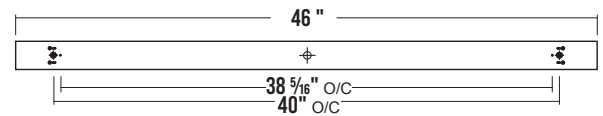
8' BACKPLATE

SPECIFICATIONS

CONSTRUCTION
• 22 gauge cold rolled steel housing
• End plates fastened to housing by sheet metal screws to assure rigidity

FINISH
• Baked white polyester finish
• Minimum reflectance 86%
• End plates - baked white powder coated finish / painted after fabrication

OPTICAL
• Frosted white acrylic lens

ELECTRICAL
• High efficiency drivers coupled with long-life LEDs
• Service life tested at 50,000 hours (L70)
• Universal voltage 120V through 277V (347V / 480V available)
• Power Factor (PF) ≥ 0.9
• Total Harmonic Distortion (THD) ≤ 20%

LISTING
• UL USA and Canada listed / suitable for damp locations

WARRANTY
• 5-year limited warranty
• 10-year limited warranty available

APPLICATIONS

Retail, Warehouse, Industrial, Office, Corridor, Stairwell, Parking, Structure, Assembly Line, Aisle Lighting

FEATURES

• 0-10V Dimming driver standard
• Supports California Title 24 compliance

OPTIONS   CONTACT CUSTOMER SERVICE FOR ADDITIONAL OPTIONS

• Controls
• Cord & Plug
• 14 gauge wire guard
• Custom housing colors
• Emergency battery pack
• Tunable white (2700K - 6500K)
• Customization available upon request
• Plug-in branch wiring connector system

CUSTOM COLORS

BLK - Matte Black   CS - Camaro Silver   BZ - Statuary Bronze

Variety of RAL colors available upon request.

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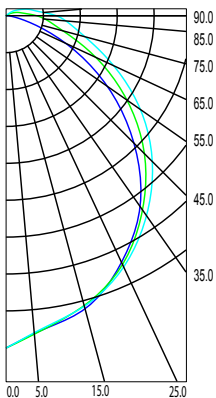
MADE IN THE USA
BAA Compliant

ORDERING INFORMATION — ADDITIONAL OPTIONS AVAILABLE. VISIT WWW.LALIGHTING.COM/RESOURCES FOR MORE INFORMATION

EXAMPLE: STW100-8-8L-FRWA-BPLSL1.5-DRDM-UNV-1/840

SERIES	NOMINAL LED LUMENS	NOMINAL LENGTH	COLOR	OPTICAL	CONTROLS	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROWS	CRI / CCT
							DRDM	UNV	1	
STW100 • 2¼" Wide Lensed Strip	**1** 1000lm **2** 2000lm **3** 3000lm **4** 4000lm **5** 5000lm **High Efficacy** **1HE** 1000lm **2HE** 2000lm **3HE** 3000lm	**2L** • 2'	**(Blank)** • Standard White Housing **BLK** • Black Housing **BZ** • Bronze Housing	**FRA** • Frosted Acrylic **FRWA** • Frosted White Acrylic	**MS(xx)** • Motion Sensor • Lens Option **WLC(LEDRU)** • Wireless Control *Leave blank if not specified*	**BPLSL1.5** • 1500 lm Emergency Battery Pack, Slim Casing *Leave Blank if Not Specified* (See Electrical Options page for more information on Plug-In Branch Wiring and Cord/Conduit Options)	**DRDM** • 0-10V Dimmable Driver	**UNV** • 120V-277V	**1** • 1 LED Row	**830** • 80+CRI / 3000K **835** • 80+CRI / 3500K **840** • 80+CRI / 4000K **850** • 80+CRI / 5000K **8TW** • 80+CRI Tunable White 2700K-6500K *Contact customer service for additional CRI / CCT packages, including 90CRI*
	1.5 1500lm **3** 3000lm **4.5** 4500lm **6** 6000lm	**3L** • 3'								
	2 2000lm **4** 4000lm **6** 6000lm **8** 8000lm **10** 10000lm **High Efficacy** **2HE** 2000lm **4HE** 4000lm **6HE** 6000lm	**4L** • 4'								
	4 4000lm **8** 8000lm **12** 12000lm **16** 16000lm **20** 20000lm **High Efficacy** **4HE** 4000lm **8HE** 8000lm **12HE** 12000lm	**8L** • 8'								

Standard options for STW100 shown above. For additional options, including lumen packages, controls, lenses, switches, finishes, and more, visit www.lalighting.com/resources or contact customer service.

PHOTOMETRIC DATA

STW100-4-4L-FRWA-DRDM-UNV-1/840

TEST NO. = LA-T3632
LED TYPE = 56 LED MODULE
NO. OF MODULE = 1
SYSTEM WATT (W) = 26.7
CRI ≥ 80
L70(Hrs.) ≥ 50,000
PHOTOMETRY TYPE = C

ZONAL LUMEN SUMMARY			
DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	867	21.2	26.7
0-40	1401	34.3	43.1
0-60	2402	58.8	74.0
0-90	3077	75.3	94.7
90-120	158	3.9	4.9
90-150	172	4.2	5.3
90-180	172	4.2	5.3
0-180	3249	79.5	100.0

SPACING CRITERION	
ALONG	ACROSS
1.13	1.17

Luminaire Output = 3248.86 lumens
Luminaire Efficacy = 121.68 lm/W
Luminaire Efficiency = 79.51%

SYSTEM DATA

ADDITIONAL LUMEN PACKAGES AVAILABLE. CONTACT CUSTOMER SERVICE FOR MORE INFORMATION

2' - LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
1000 Lumens (Nominal)	STW100-1-2L-FRWA-DRDM-UNV-1/840	818	7.6	107.1 lm/W	-20°C / 35°C (-4°F / 95°F)	1-F17T8	LA-T3580
2000 Lumens (Nominal)	STW100-2-2L-FRWA-DRDM-UNV-1/840	1605	14.1	87.4 lm/W	-20°C / 35°C (-4°F / 95°F)	2-F17T8 1-F24T5HO	LA-T3581
3000 Lumens (Nominal)	STW100-3-2L-FRWA-DRDM-UNV-1/840	2459	22.1	111.1 lm/W	-20°C / 35°C (-4°F / 95°F)	3-F17T8	*
4000 Lumens (Nominal)	STW100-4-2L-FRWA-DRDM-UNV-1/840	3255	27.2	119.3 lm/W	-20°C / 35°C (-4°F / 95°F)	4-F17T8 2-F24T5HO	*
5000 Lumens (Nominal)	STW100-5-2L-FRWA-DRDM-UNV-1/840	3982	32.6	121.9 lm/W	-20°C / 35°C (-4°F / 95°F)	4-F17T8 2-F24T5HO	*
2' - LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE (HIGH EFFICACY) PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
1000 Lumens (Nominal)	STW100-1HE-2L-FRWA-DRDM-UNV-1/840	884	7.5	117.9 lm/W	-20°C / 35°C (-4°F / 95°F)	1-F17T8	*
2000 Lumens (Nominal)	STW100-2HE-2L-FRWA-DRDM-UNV-1/840	1572	12.3	127.0 lm/W	-20°C / 35°C (-4°F / 95°F)	2-F17T8 1-F24T5HO	*
3000 Lumens (Nominal)	STW100-3HE-2L-FRWA-DRDM-UNV-1/840	2375	18.6	127.1 lm/W	-20°C / 35°C (-4°F / 95°F)	3-F17T8	*

3' - LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
1500 Lumens (Nominal)	STW100-2-3L-FRWA-DRDM-UNV-1/840	1365	9.2	148.5 lm/w	-20°C / 35°C (-4°F / 95°F)	1-F32T8	*
3000 Lumens (Nominal)	STW100-3-3L-FRWA-DRDM-UNV-1/840	2427	17.8	136.1 lm/W	-20°C / 35°C (-4°F / 95°F)	2-F32T8 1-F54T5HO	LA-T3634
4500 Lumens (Nominal)	STW100-4.5-3L-FRWA-DRDM-UNV-1/840	3903	28.8	135.5 lm/W	-20°C / 35°C (-4°F / 95°F)	3-F32T8	*
6000 Lumens (Nominal)	STW100-8-3L-FRWA-DRDM-UNV-1/840	5026	39.0	128.6 lm/W	-20°C / 35°C (-4°F / 95°F)	4-F32T8 2-F54T5HO	*

4' - LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
2000 Lumens (Nominal)	STW100-2-4L-FRWA-DRDM-UNV-1/840	1654	13.4	123.3 lm/w	-20°C / 35°C (-4°F / 95°F)	1-F32T8	*
4000 Lumens (Nominal)	STW100-4-4L-FRWA-DRDM-UNV-1/840	3248	26.7	121.6 lm/W	-20°C / 35°C (-4°F / 95°F)	2-F32T8 1-F54T5HO	LA-T3632
6000 Lumens (Nominal)	STW100-6-4L-FRWA-DRDM-UNV-1/840	5045	43.6	115.5 lm/W	-20°C / 35°C (-4°F / 95°F)	3-F32T8	*
8000 Lumens (Nominal)	STW100-8-4L-FRWA-DRDM-UNV-1/840	6585	51.1	128.7 lm/W	-20°C / 35°C (-4°F / 95°F)	4-F32T8 2-F54T5HO	*
10000 Lumens (Nominal)	STW100-10-4L-FRWA-DRDM-UNV-1/840	8055	61.4	131.0 lm/W	-20°C / 35°C (-4°F / 95°F)	4-F32T8 2-F54T5HO	*
4' - LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE (HIGH EFFICACY) PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
2000 Lumens (Nominal)	STW100-2HE-4L-FRWA-DRDM-UNV-1/840	1788	13.5	132.0 lm/W	-20°C / 35°C (-4°F / 95°F)	1-F32T8	*
4000 Lumens (Nominal)	STW100-4HE-4L-FRWA-DRDM-UNV-1/840	3180	23.4	135.6 lm/W	-20°C / 35°C (-4°F / 95°F)	2-F32T8 1-F54T5HO	*
6000 Lumens (Nominal)	STW100-6HE-4L-FRWA-DRDM-UNV-1/840	4804	36.4	132.0 lm/W	-20°C / 35°C (-4°F / 95°F)	3-F32T8	*

NOTE:
Actual performance may differ as a result of end-user environment and application.
Normal: This fixture has been tested and listed in accordance with UL Standards. L.A. Lighting certifies that it will operate safely when installed properly, and within an ambient temperature range from -20°C to 35°C. Additional lumen packages and color temperatures available.

RoHS COMPLIANT   UL CERTIFIED

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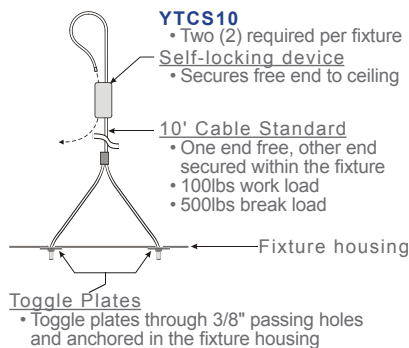
SYSTEM DATA

ADDITIONAL LUMEN PACKAGES AVAILABLE. CONTACT CUSTOMER SERVICE FOR MORE INFORMATION

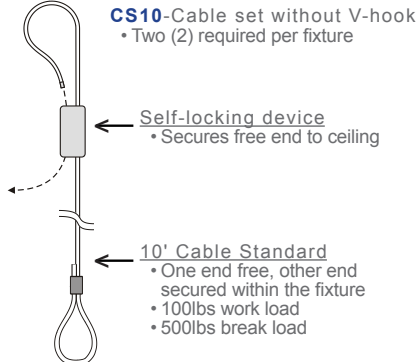| 8' - LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
4000 Lumens (Nominal)	STW100-4-8L-FRWA-DRDM-UNV-1/840	3398	25.7	131.9 lm/W	-20°C / 35°C (-4°F / 95°F)	2-F32T8	*
8000 Lumens (Nominal)	STW100-8-8L-FRWA-DRDM-UNV-1/840	6673	52.6	126.6 lm/W	-20°C / 35°C (-4°F / 95°F)	4-F32T8 2-F54T5HO	LA-T3633
12000 Lumens (Nominal)	STW100-12-8L-FRWA-DRDM-UNV-1/840	10090	81.9	123.1 lm/W	-20°C / 35°C (-4°F / 95°F)	6-F32T8 3-F54T5HO	*
16000 Lumens (Nominal)	STW100-16-8L-FRWA-DRDM-UNV-1/840	13234	99.2	133.4 lm/W	-20°C / 35°C (-4°F / 95°F)	8-F32T8 4-F54T5HO	*
20000 Lumens (Nominal)	STW100-20-8L-FRWA-DRDM-UNV-1/840	16545	122.9	134.5 lm/W	-20°C / 35°C (-4°F / 95°F)	8-F32T8 4-F54T5HO	*
8' - LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE (HIGH EFFICACY) PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
4000 Lumens (Nominal)	STW100-4HE-8L-FRWA-DRDM-UNV-1/840	3306	22.7	145.4 lm/W	-20°C / 35°C (-4°F / 95°F)	2-F32T8	*
8000 Lumens (Nominal)	STW100-8HE-8L-FRWA-DRDM-UNV-1/840	6532	45.2	144.2 lm/W	-20°C / 35°C (-4°F / 95°F)	4-F32T8 2-F54T5HO	*
12000 Lumens (Nominal)	STW100-12HE-8L-FRWA-DRDM-UNV-1/840	9867	71.1	138.7 lm/W	-20°C / 35°C (-4°F / 95°F)	6-F32T8 3-F54T5HO	*

NOTE:
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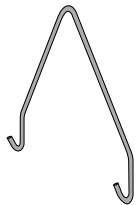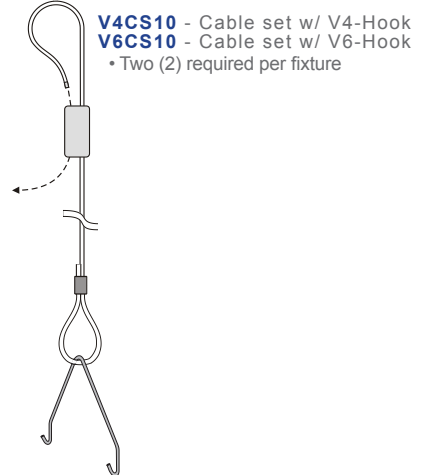
MOUNTING ACCESSORIES

Y-TOGGLE-END / CABLE SUSPENSION SYSTEM

YTCS10
• Two (2) required per fixture
Self-locking device
• Secures free end to ceiling

10' Cable Standard
• One end free, other end secured within the fixture
• 100lbs work load
• 500lbs break load

Fixture housing

Toggle Plates
• Toggle plates through 3/8" passing holes and anchored in the fixture housing

CABLE SUSPENSION SYSTEM

CS10-Cable set without V-hook
• Two (2) required per fixture

Self-locking device
• Secures free end to ceiling

10' Cable Standard
• One end free, other end secured within the fixture
• 100lbs work load
• 500lbs break load

V-HOOK / CABLE SUSPENSION SYSTEM

V4CS10 - Cable set w/ V4-Hook
V6CS10 - Cable set w/ V6-Hook
• Two (2) required per fixture

V-HOOK
• Hooks install at end of fixture and in chain mount coupling tabs between fixtures when chain mounted in rows
• Two (2) required per fixture

FOR FIXTURE SERIES	CAT. NO
4" LEG HEIGHT	V4

MOUNTING ACCESSORIES

CHAIN MOUNT COUPLING
• Chain mount coupling with lift-up tabs for installation of V-Hooks when chain mounted
• Baked white enamel finish

| CAT. NO.	FIXTURE SERIES
CMC-STW100	STW100 (only for 4ft & 8ft fixtures)

12"

CANOPY SUSPENSION
• Ball-action joint provides a full circumferential 45° swivel action
• Canopy bowls turn-lock onto bracket
• Baked white enamel (other finishes available as specified)
• Minimum one (1) of each per fixture
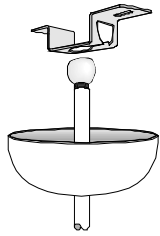
565
• Non-feed model
• Includes mounting bracket, turn-lock canopy bowl, and ball-action joint
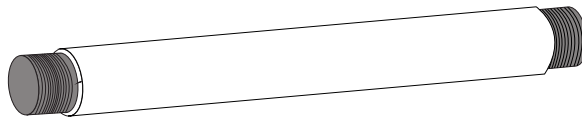• Minimum stem length 12"
• Maximum weight 50lbs per stem
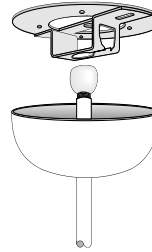
575
• Feed model
• Includes flash plate, mounting bracket, turn-lock canopy bowl, and ball-action joint
• Minimum stem length 6"
• Maximum weight 20lbs per stem for lengths under 12"
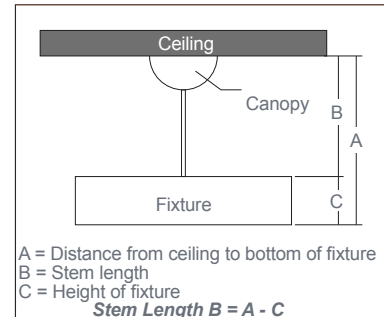• Maximum weight 50lbs per stem for lengths 12" and longer

STEM (Specify Length)
• 3/8" IPS, nominal OD 5/8"
• Threaded 1" each end
• 2 lock nuts provided per stem
• Standard lengths: 6", 12", 18", 24", 30", 36", 48"
• Baked white enamel finish

Other lengths & finishes are available as specified

Stem Length Calculation

Ceiling

Canopy

B

A

Fixture

C

A = Distance from ceiling to bottom of fixture
B = Stem length
C = Height of fixture
Stem Length B = A - C

CANOPY / CABLE SUSPENSION SYSTEM
• Self-locking, one-step adjustable suspension device with canopies
• Provides full 360° rotation

433B
• Canopy with cable
• No power cord
• Cable length 48" and 96"
• Max. Weight 196 lbs.

433B-48 W

COLOR
W -White
B - Black

CABLE LENGTH
48 - 48 inches
96 - 96 inches
(Other lengths as specified)

444F
• Feed-in canopy with straight cord
• Includes power cord
• Cable length 48" and 96"
• Max. Weight 196 lbs

444F-48SW-2C

 # OF CIRCUITS
2C - Two circuits
LV - 0-10V dimming
Blank - One circuit

COLOR
W - White
B - Black

CORD TYPE
S - Straight cord

CABLE LENGTH
48 - 48 inches
96 - 96 inches
(Other lengths as specified)

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UL CERTIFIED

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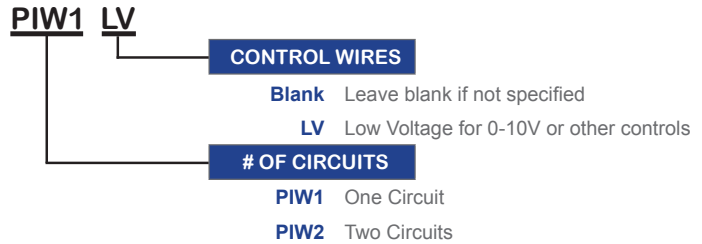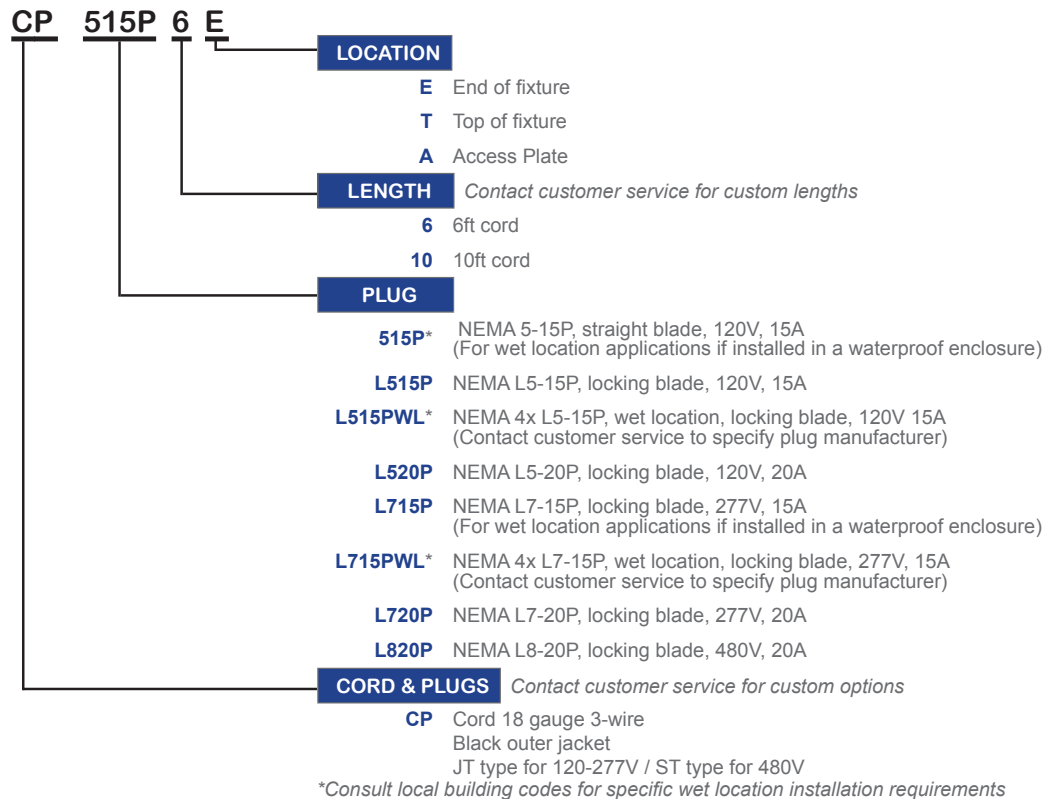
Revised: 10/27/2022

MADE IN THE USA
BAA Compliant

ELECTRICAL

PLUG-IN BRANCH WIRING CONNECTOR SYSTEM
- For wiring through fixture channel in single or multiple circuits
- Low-voltage for dimming available
- 12 gauge wire
- Quick connect plugs for easy installation
- Contact customer service for additional options

PIW1 **LV**

CONTROL WIRES

Blank	Leave blank if not specified
LV	Low Voltage for 0-10V or other controls

 # OF CIRCUITS

PIW1	One Circuit
PIW2	Two Circuits

CORD & PLUG

CP **515P** **6** **E**

LOCATION

E	End of fixture
T	Top of fixture
A	Access Plate

LENGTH *Contact customer service for custom lengths*

6	6ft cord
10	10ft cord

PLUG

515P*	NEMA 5-15P, straight blade, 120V, 15A (For wet location applications if installed in a waterproof enclosure)
L515P	NEMA L5-15P, locking blade, 120V, 15A
L515PWL*	NEMA 4x L5-15P, wet location, locking blade, 120V 15A (Contact customer service to specify plug manufacturer)
L520P	NEMA L5-20P, locking blade, 120V, 20A
L715P	NEMA L7-15P, locking blade, 277V, 15A (For wet location applications if installed in a waterproof enclosure)
L715PWL*	NEMA 4x L7-15P, wet location, locking blade, 277V, 15A (Contact customer service to specify plug manufacturer)
L720P	NEMA L7-20P, locking blade, 277V, 20A
L820P	NEMA L8-20P, locking blade, 480V, 20A

CORD & PLUGS *Contact customer service for custom options*

CP	Cord 18 gauge 3-wire Black outer jacket JT type for 120-277V / ST type for 480V

Consult local building codes for specific wet location installation requirements

ELECTRICAL

CORD & FLEXIBLE CONDUIT OPTIONS

FLX 6 (2C) E

LOCATION	
E	End of fixture
T	Top of fixture
A	Access Plate

# OF CIRCUITS / CONTROLS	
Blank	Leave Blank for One Circuit
2C	Two Circuits
3C	Three Circuits *(Flex conduit only)*
LV	Control Wires for Dimming

LENGTH	*Contact customer service for custom lengths*
6	6ft cord/conduit
10	10ft cord/conduit

TYPE	*Flexible conduit cannot be factory installed when fixture is rated for Wet Location*
FLX	3/8" Aluminum flexible conduit 1/2" Snap-in fittings on both sides Three conductors standard
C	Cord 18 gauge 3-wire Black outer jacket JT type for 120-277V / ST type for 480V

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BAA Compliant