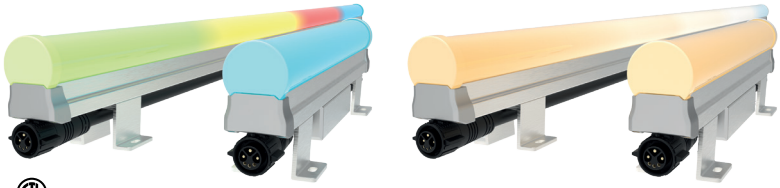
solid state luminaires

Type:	**Approved:**
Luminaire:	
Project:	

ColourLine SSL-DV Direct View Linear



ColourLine SSL-DV Direct View Linear is a dynamic linear direct view LED luminaire, perfect for creating long ribbons of dynamic lighting. Variable resolution offers the ability to display large-scale graphics and intricately designed effects for an array of architectural, retail, and entertainment settings.

ColourLine SSL-DV Direct View Linear is available in RGBW or Tunable White (2200K – 6500K) output, 1- and 4-foot lengths, and 12-inch resolution. All versions are IK10 impact resistant, UV stabilized polycarbonate lens, and IP66 dry, damp, and wet location rated.

With a 120 - 277 VAC integral power supply and DMX / RDM protocols for control, luminaire power and data connectors are “push-lock” for simple installation.

SPECIFICATIONS	
light output	RGBW or Tunable White (2200K – 6500K)
PHYSICAL	
weight	0.94 lbs (1-foot), 3.3 lbs (4-foot)
dimensions [L x W x H]	12.5" L x 2.2" W x 3.5" H (1-foot), 46.9" L x 2.2" W x 3.5" H (4-foot)
housing	marine grade, extruded aluminum housing
lens	diffused, UV protected and stabilized polycarbonate extrusion
impact rating	IK10
mounting	integrated surface mount, universal orientation mounting; up, down, horizontal, vertical, diagonal
vibration resistance	complies with ANSI C136.31, 3G
environment	wet, exterior location (IP66), connectors (IP68)
PERFORMANCE	
lumens per foot	RGBW—200 lumens per foot Tunable White—300 lumens per foot
luminaire resolution	controllable in 12-inch segments 1-foot Luminaire: 12-inch resolution, 4-channels 4-foot Luminaire: 12-inch resolution, 16-channels
lifetime	50,000 hours
operating temperature	-40° to 122 °F (-40° to 50 °C)
ELECTRICAL	
input voltage	Universal 120 - 277 VAC
power supply	integral Class II, electronic high-power factor
max run length	HLO—184 feet @ 120 VAC, 424 feet @ 277 VAC
certification	cETLus, FCC
interface	DMX / RDM
power consumption	up to 7 W / per foot
warranty	5-Year limited warranty
TECHNOLOGIES	
ColourFull	provides maximum output at all times, with all colors, providing maximum color saturation
ColourQuick	provides immediate uniform beam saturation and color mix from the luminaire surface
ColourClone	manufacturing process uses robotic systems to provide 1 SDCM consistency between luminaires by calibrating every luminaire to the same exact X, Y, chromaticity coordinates
ColourSoft	embedded firmware enables 16-bit resolution using only 8-bits of data to enhance the low trim curve for no-flicker at the slowest transition speeds

Due to continuous development and improvements, specifications are subject to change without notice.
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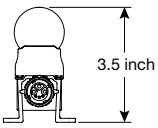
PRODUCT ORDERING CODE

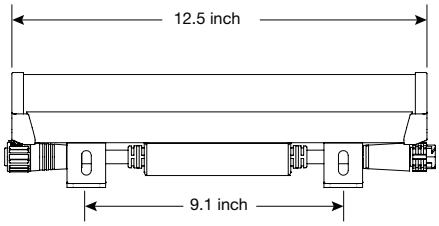
SERIES	SHAPE	LENGTH	VOLTAGE	COLOR	OUTPUT	RESOLUTION	LENS	FINISH	CONTROL
SSL-DV	LIN		UNV		HLO		ARC	AAL	DMX

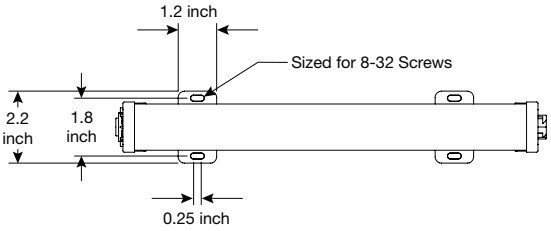
- **SSL-DV** Direct View
- **LIN** Linear
- **1** 1 FT
- **4** 4 FT
- **UNV** 120 - 277 VAC
- **RGBW** Red, Green, Blue, White (4000K)
- **TW** Tunable White (2200K – 6500K)
- **HLO** High Lumen Output
- **12** 12-inch
- **ARC** Round Tube
- **AAL** Clear Anodized Aluminum
- **DMX** DMX / RDM Protocol

DIMENSIONS Available in 2 lengths

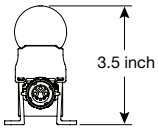
1 Foot

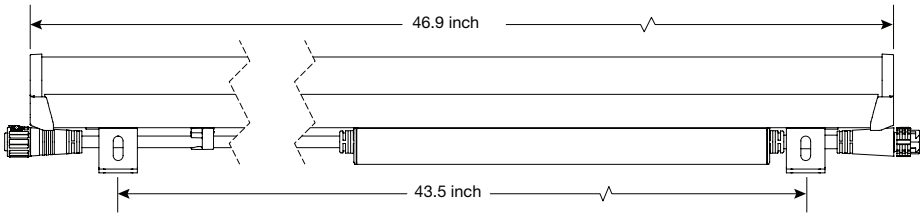




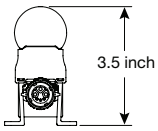


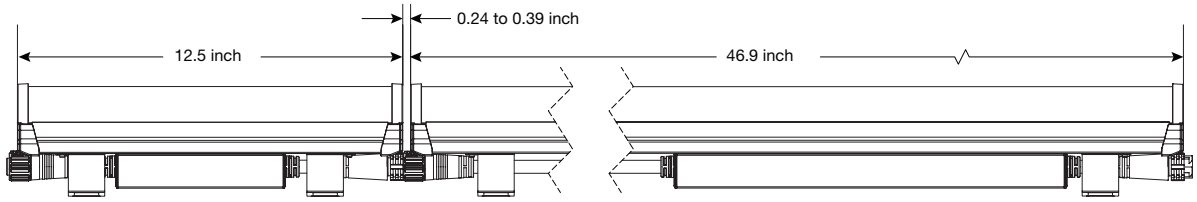
4 Foot





1 Foot or 4 Foot





CABLE ACCESSORIES (order separately)

Accessories (Indicate the quantity needed for each item.) **REQUIRED**: Starter Cable (SCxxLZWET) and Data Terminator Cap (TCAPCLZWET) for every run.

_____ **SC10LZWET** 10 foot Starter Cable
_____ **SC25LZWET** 25 foot Starter Cable
_____ **SC50LZWET** 50 foot Starter Cable
_____ **TCAPCLZWET** Data Terminator Cap (120 Ohm)
_____ **EC24LZWET** 24 inch Extension Cable
_____ **EC60LZWET** 60 inch Extension Cable
_____ **EC120LZWET** 120 inch Extension Cable
_____ **EC240LZWET** 240 inch Extension Cable

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PART NUMBERS

Control Components (Indicate the quantity needed for each item.)

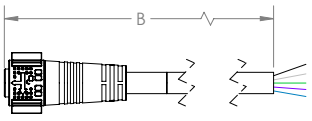
_____ **PHAROS TPS-5-B** 5" Designer Touch Panel Station
_____ **PHAROS XPC1** Expert Controller; 512 channels of eDMX/DMX
_____ **PHAROS XPC2** Expert Controller; 1024 channels of eDMX/DMX
_____ **PHAROS XPT-5-B** Expert Touch Panel; 5" Display in Black
_____ **PHAROS TPC-BB** Touch Panel Controller - Black on Black *(512 Channels EDMX)*
_____ **PHAROS EXT** Extension for TPC Connectivity
_____ **PHAROS LPC1** Lighting Playback Controller 1 (512 channels DMX/eDMX)
_____ **PHAROS LPC2** Lighting Playback Controller 2 (1,024 channels DMX/eDMX)
_____ **PDX2** Power Data Wiring Box *(exterior rated)*
_____ **PDX-RDS2** Power Data Wiring Box w/2-port splitter
_____ **PDX-RDS4** Power Data Wiring Box w/4-port splitter
_____ **SCSC-2WH (2BK)** White or Black Wall Mount ColourSelect Controller *(2 universe)*
_____ **CSC-E** ColourSelect Controller *(2 universe)*

_____ **DE3BK(WH)** Nicolaudie STICK DE-3 Black or White Wall Mount Controller w/color dial
_____ **CW4-WH** Nicolaudie STICK White Touch Screen with Internal WiFi
_____ **GA2WH(BK)** Nicolaudie STICK-GA2 White or Black Wall Mount Controller
_____ **DXC-25** 25 foot DMX cable
_____ **DXC-50** 50 foot DMX cable
_____ **DXC-100** 100 foot DMX cable
_____ **CD-10** 10 foot controller data cable (for CSC only)
_____ **CD-25** 25 foot controller data cable (for CSC only)
_____ **CD-50** 50 foot controller data cable (for CSC only)
_____ **CD-100** 100 foot controller data cable (for CSC only)
_____ **MV 5900** Multiverse Show Baby DMX Wireless Bridge (Indoor)
_____ **7400-5707M** Show DMX Vero DMX Wireless Bridge (Exterior)

Controller Data Cables/DMX Cables listed are exterior rated cables.
(Belden 3105A or equivalent) CD-XX cables have male XLR at one end.

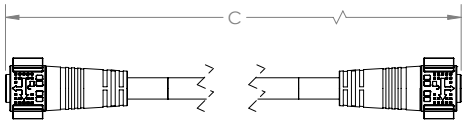
CONNECTIONS & CABLES

Model	Description
SC05LZWET	5 foot Starter Connection Cord
SC10LZWET	10 foot Starter Connection Cord
TCAPLZWET	Standard Terminator Cap
EC24LZWET	24 inch Extension Cord
EC60LZWET	60 inch Extension Cord



STARTER CABLE

MODEL	B
SC05LZWET	5'
SC10LZWET	10'



EXTENSION CABLE

MODEL	B
EC24LZWET	24"
EC60LZWET	60"

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All These Features In A Single Luminaire

ColourFull

FULL LUMEN COLOR CHANGING

- Full Power LED with any color transition
- Consistent rich color acoss the light spectrum
- Full output power with any color

ColourFull luminaires provide maximum output at all times – with all colors, so your application receives the maximum color saturation. Using a Custom Tooled Native Optic with a collimating color mixing chamber that mixes at the phosphor level enabling unique color combinations.

ColourQuick

RAPID-MIX COLOR

- Instantaneous Color Mixing – Within 1 inch
- Shortest Distance in Industry for Blending Colors
- 4-in-1 RGBW LED designed to SSL Specifications

ColourLine RGBW luminaires provide the quickest color mixing in the industry. The SSL ColourQuick technology enables our ColourLine Linear Indoor Cove and Graze, as well as, our Outdoor Floods to color-mix almost instantly, within one inch.

ColourClone

TRU-COLOR RGBW MATCHING

- Robotic Calibration of every luminaire provides 1-Step consistency
- Every luminaire has same X, Y color coordinates
- Perfect match for add-ons and replacements

As part of our manufacturing process, SSL Automated Manufacturing Robots calibrate every luminaire to the exact same X,Y color coordinates to provide Step-1 like consistency. This process enables every luminaire to be an exact clone. At the end of the process, a bar code is generated for every board. This allows for exact matching for job add-ons or warranty replacements.

ColourSoft

SMOOTH LOW-TRIM DIMMING

- Flicker-Free Color Transitions and Dimming
- 16-bit performance (65,536 steps) using *only 8-bit addressing*
- SSL Engineered Custom Software and Firmware

Standard dimming technology uses 8-bit resolution for 256 individual steps. Our 32-bit on-board MCU uses SSL developed software to provide 16-bit resolution that allows 65,536 steps of resolution and only use 8-bits of addressing space! We also use a logarithmic delineation of the resolution to concentrate in the lower third of the dimming curve so the low-end dimming and color transitions have zero flicker.

Scalable

- Full DMX, RDM control capability with latest industry standards
- A wide variety of DMX protocol controls and system accessories
- SSL has many RGBW products utilizing the ColourLine Technology
- Multiple personality settings to enhance RGBW & Tunable White
- Control 1000's of DMX channels with multiple universes & zones
- Powerful luminaires with super optics for long-throw applications
- SSL provides turnkey design and technical integration support

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LUMENS / WATTAGE typical

Model	Lumens	Watts	LPW	Color	Beam Angle	Max CD
SSL-DV-LIN-1-UNV-RGBW-HLO-12-ARC-AAL-DMX (ALL)	201.3 lm	4.25W	47.4	ALL	126	35
SSL-DV-LIN-1-UNV-RGBW-HLO-12-ARC-AAL-DMX (RED)	72.2 lm	4.1W	17.6	RED	123.1	13.3
SSL-DV-LIN-1-UNV-RGBW-HLO-12-ARC-AAL-DMX (GREEN)	330.5 lm	4.1W	80.2	GREEN	126.8	56.5
SSL-DV-LIN-1-UNV-RGBW-HLO-12-ARC-AAL-DMX (BLUE)	30.8 lm	4.1W	7.4	BLUE	119.5	5.9
SSL-DV-LIN-1-UNV-RGBW-HLO-12-ARC-AAL-DMX (WHITE)	326.5 lm	4.2W	78.2	WHITE	125.3	56.9
SSL-DV-LIN-4-UNV-RGBW-HLO-12-ARC-AAL-DMX (ALL)	875.7 lm	16.1W	54.4	ALL	118.6	149.3
SSL-DV-LIN-4-UNV-RGBW-HLO-12-ARC-AAL-DMX (RED)	286.2 lm	15.2W	18.8	RED	120	50.1
SSL-DV-LIN-4-UNV-RGBW-HLO-12-ARC-AAL-DMX (GREEN)	1410.6 lm	15.2W	92.7	GREEN	121.8	237.9
SSL-DV-LIN-4-UNV-RGBW-HLO-12-ARC-AAL-DMX (BLUE)	159.6 lm	15.3W	10.5	BLUE	116.6	27.7
SSL-DV-LIN-4-UNV-RGBW-HLO-12-ARC-AAL-DMX (WHITE)	1379.3 lm	15.3W	90.2	WHITE	121.3	234
SSL-DV-LIN-1-UNV-DW-HLO-12-ARC-AAL-DMX (ALL ON (3500K))	302.6 lm	4.3W	69.8	ALL	127.1	52.4
SSL-DV-LIN-1-UNV-DW-HLO-12-ARC-AAL-DMX (2200K)	209.5 lm	4.5W	46.8	2200K	125.2	37.2
SSL-DV-LIN-1-UNV-DW-HLO-12-ARC-AAL-DMX (2700K)	286.8 lm	4W	70.8	2700K	126.8	49.6
SSL-DV-LIN-1-UNV-DW-HLO-12-ARC-AAL-DMX (4000K)	352.9 lm	4.5W	77.9	4000K	127.4	62.1
SSL-DV-LIN-1-UNV-DW-HLO-12-ARC-AAL-DMX (6500K)	312.8 lm	4.2W	74.1	6500K	126.3	56.1
SSL-DV-LIN-4-UNV-DW-HLO-12-ARC-AAL-DMX (ALL ON (3500K))	1263.3 lm	15.9W	79.2	ALL	116.9	215.7
SSL-DV-LIN-4-UNV-DW-HLO-12-ARC-AAL-DMX (2200K)	829.2 lm	15.8W	52.4	2200K	119.3	143.1
SSL-DV-LIN-4-UNV-DW-HLO-12-ARC-AAL-DMX (2700K)	1357.9 lm	16.2W	83.7	2700K	117.8	232.2
SSL-DV-LIN-4-UNV-DW-HLO-12-ARC-AAL-DMX (4000K)	1470.1 lm	16.2W	90.9	4000K	121.2	249.3
SSL-DV-LIN-4-UNV-DW-HLO-12-ARC-AAL-DMX (6500K)	1408.2 lm	15.7W	89.4	6500K	117.5	239.3

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