solid state luminaires

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

ColourLine Graze

Graze Interior RGBW Luminaire

SPECIFICATIONS	
color temperature	**RGBW / Tunable White**
PHYSICAL	
beam spread	12° x 12°, 15° x 30°, 20° x 10°, 20° x 40°, 25° x 25°, 30° x 60°, 40° x 15°, 40° x 40°
LEDs per foot	(RGBW 4 in 1 multichip) - 10 per foot
weight	1 foot (.9 lbs), 4 foot (3.6 lbs)
housing	anodized extruded aluminum housing with injection molded polycarbonate end caps
lens	clear polycarbonate
mounting	standard surface mount bracket with full 180° rotation (+/- 90° from center)
ingress protection	dry or damp locations IP43 rated
luminaire connections	daisy chain with male and female, 5-PIN connectors
PERFORMANCE	
lumen output [all on]	525 lm per foot (14W) / 350 lm per foot (9W) / 185 lm per foot (5W) @ 100% all colors
lumen maintenance	L70 > 70,000 hours
CCT Modes	dynamic white (2000K–6500K) color tuning range can be custom set at factory
operating temperature	-4°F to 104°F (-20°C to 40°C)
protocols	DMX 512, RDM (ANSI E1.20)
ColourQuick (CQ)	provides uniform beam saturation, instantaneously without scalloping
ColourClone (CC)	manufacturing process uses robotic systems to provide 1 SDCM like consistency between luminaires by calibrating every luminaire to the same exact X, Y, chromaticity coordinates
ColourSoft (CS)	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
ColourMode (CM)	RGBW and Tunable White in one luminaire using 6 DMX channels Channels 1-4 - RGBW, Channels 5-6* - Tunable White (channel 5 = intensity and channel 6 = CCT) **Tunable White mode must use the entire luminaire as one unit*
warranty	5-Year limited warranty
ELECTRICAL	
input voltage	Universal 120 - 277 VAC
power supply	integral Class II, electronic high-power factor 99% @ 120V
controls	SSL color controller, 3rd party DMX 512, RDM standard based control systems
certification	ETL / cETL, FCC-Part 15
standards	UL-Class I
power consumption	1 ft @ full power (13W / 9W / 5.5W), 4 ft @ full power (52W / 36W / 20W)

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Ordering Information

PART NUMBER

SSL-CLGR					

MODEL	LENGTH	COLOR	OUTPUT	OPTICS	OPTIONS (CHOOSE 1)
SSL-CLGR COLOURLINE GRAZE	**1** 12 in. [305 mm]	**RGBW** RGBW	**14W** 14W/ft	**12** 12° x 12° beam	**CGL-1** ColourLine Graze Louver - 1ft
	4 48 in. [1219 mm]	**RGBW-TW** RGBW & Tunable White	**9W** 9W/ft	**1530** 15° x 30° beam	**CGL-4** ColourLine Graze Louver - 4ft
		TW Tunable White	**5W** 5W/ft	**2010** 20° x 10° beam	**CGHS-1** Louver w/House Shield - 1ft
				2040 20° x 40° beam	**CGHS-4** Louver w/House Shield - 4ft
				25 25° x 25° beam	*Louver & House Shield not recommended for 10° x 40°, 30° x 60°, 40° x 15°, 40°, 60° x 20°
				3060 30° x 60° beam	
				4015 40° x 15° beam	
				40 40° x 40° beam	

Cable Accessories (order separately)

REQUIRED: Each linear run requires a Starter Cable and Terminator Cap. *See page 7 for maximum run length.*

_____ **SCM10CL** 10 ft. Starter Cord
_____ **SCM25CL** 25 ft. Starter Cord

_____ **TCAPDCL** Data Terminator Cap (w/ 120 ohm resistor)
_____ **DB10CL** 10 ft. Data Bridge Cable
_____ **DB25CL** 25 ft. Data Bridge Cable

_____ **EC12-10V** 12 in. Extension Cord
_____ **EC24-10V** 24 in. Extension Cord
_____ **EC60-10V** 60 in. Extension Cord
_____ **EC120CL** 10 ft. Extension Cord

Mounting Options (order separately)

_____ **CA2-6** Cantilever Arm - 6"
_____ **CA2-12** Cantilever Arm - 12"
_____ **CA2-18** Cantilever Arm - 18"

Luminaire	CA2 Requirement per luminaire
1-foot	1
4-foot	2

_____ **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.

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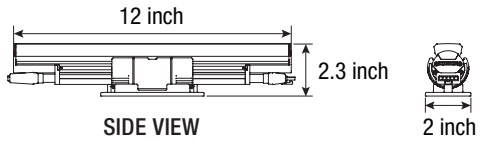
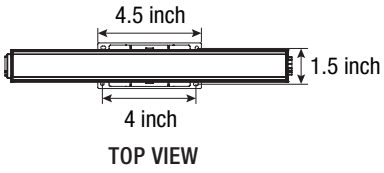
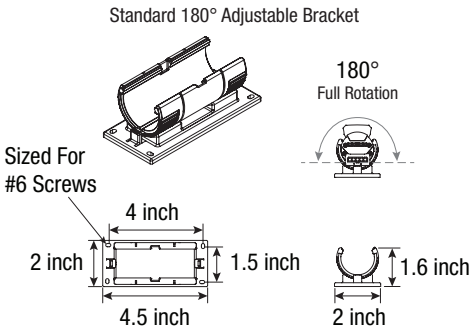
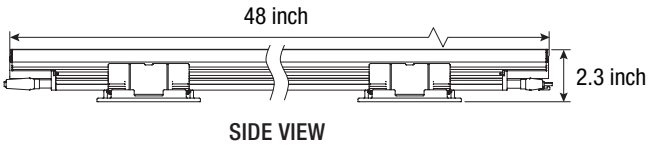
DIMENSIONS WITH STANDARD BRACKET

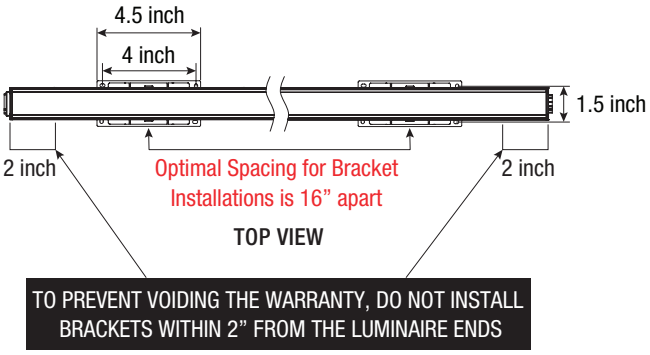
luminaire length 1' and 4'
H = 12" (1') and 48" (4')











TO PREVENT VOIDING THE WARRANTY, DO NOT INSTALL BRACKETS WITHIN 2" FROM THE LUMINAIRE ENDS

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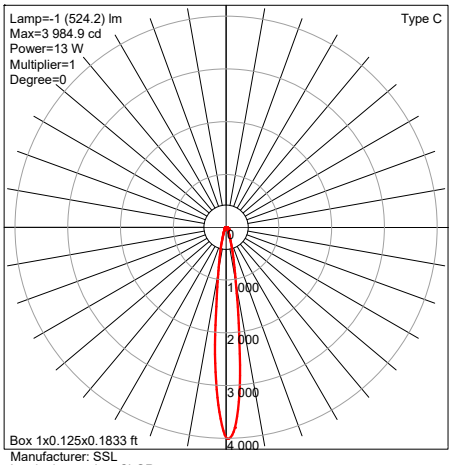
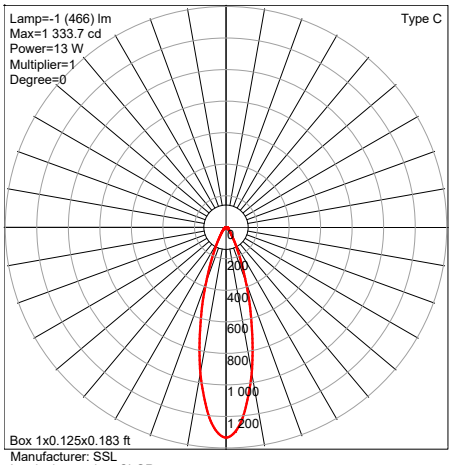
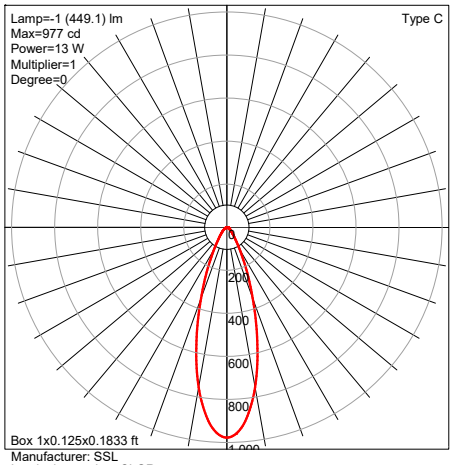
CLGR 1FT RGBW



Manufacturer: SSL
Luminaire catalog: CLGR
Luminaire: CLGR-1-RGBW-14W-12 (ALL ON)



Manufacturer: SSL
Luminaire catalog: CLGR
Luminaire: CLGR-1-RGBW-14W-25 (ALL ON)



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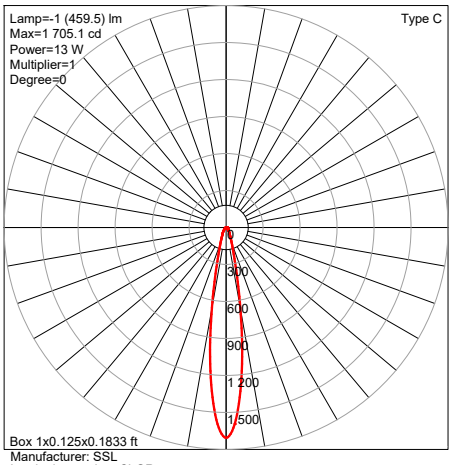
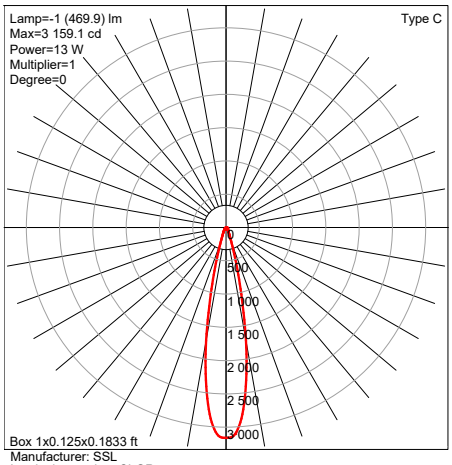
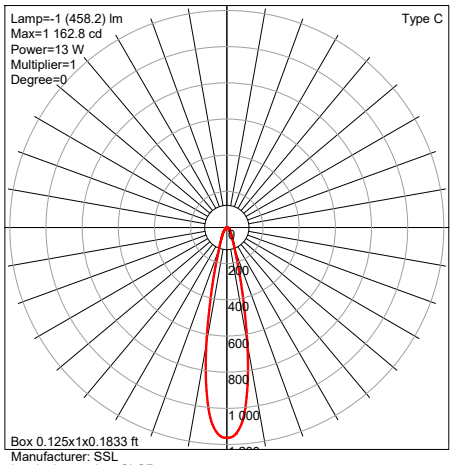
Luminaire catalog: CLGR
Luminaire: CLGR-1-RGBW-14W-40 (ALL ON)



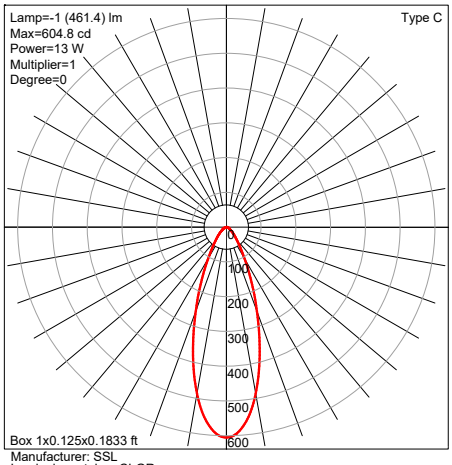
Manufacturer: SSL
Luminaire catalog: CLGR
Luminaire: CLGR-1-RGBW-14W-1530 (ALL ON)



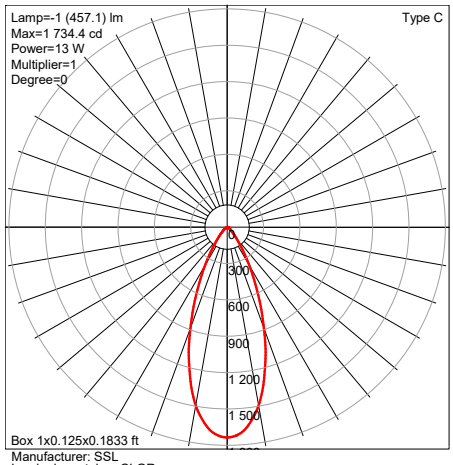
Manufacturer: SSL
Luminaire catalog: CLGR
Luminaire: CLGR-1-RGBW-14W-2010 (ALL ON)



Manufacturer: SSL
Luminaire catalog: CLGR
Luminaire: CLGR-1-RGBW-14W-2040 (ALL ON)



Manufacturer: SSL
Luminaire catalog: CLGR
Luminaire: CLGR-1-RGBW-14W-3060 (ALL ON)



Manufacturer: SSL
Luminaire catalog: CLGR
Luminaire: CLGR-1-RGBW-14W-4015 (ALL ON)

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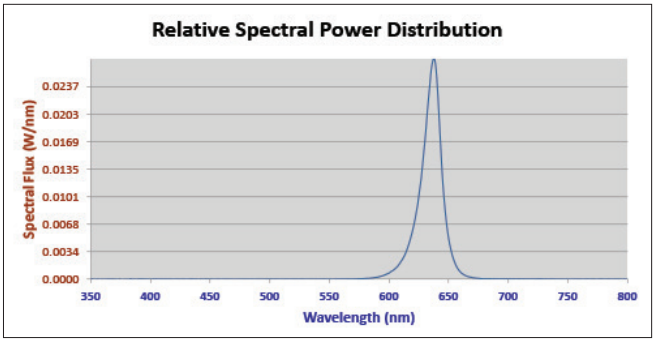
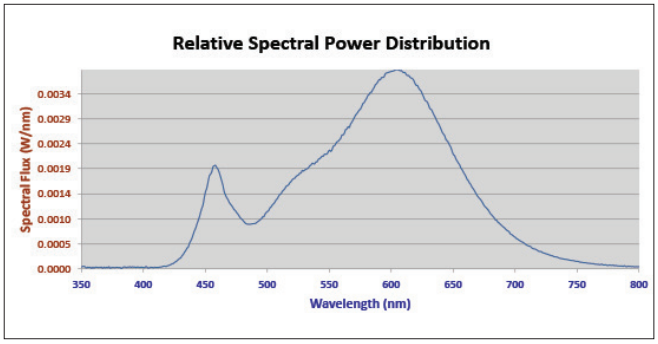
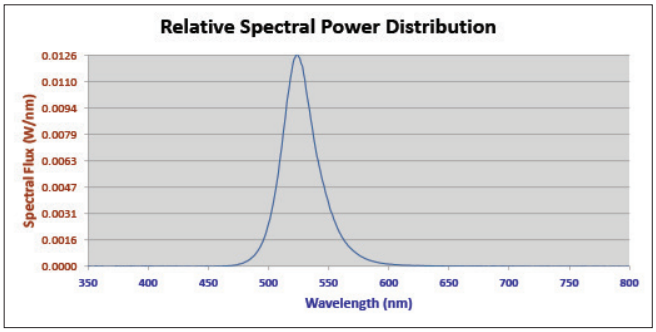
SPECTRAL INFORMATION



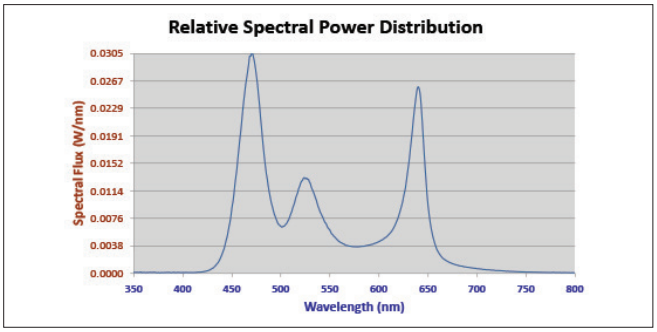
RED	
Dominant Wavelength	625
Peak Wavelength	637
Chromaticity Difference	N/A



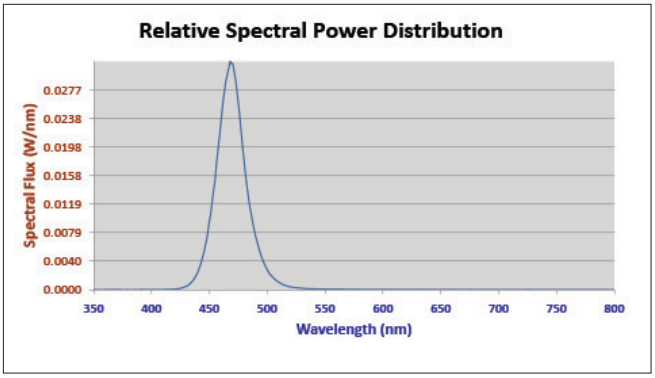
WHITE	
Dominant Wavelength	583
Peak Wavelength	604
Chromaticity Difference	0.0009
CCT	2985K



GREEN	
Dominant Wavelength	530
Peak Wavelength	524
Chromaticity Difference	0.1537



ALL ON	
Dominant Wavelength	477
Peak Wavelength	470
Chromaticity Difference	-0.003



BLUE	
Dominant Wavelength	471
Peak Wavelength	469
Chromaticity Difference	0.1619

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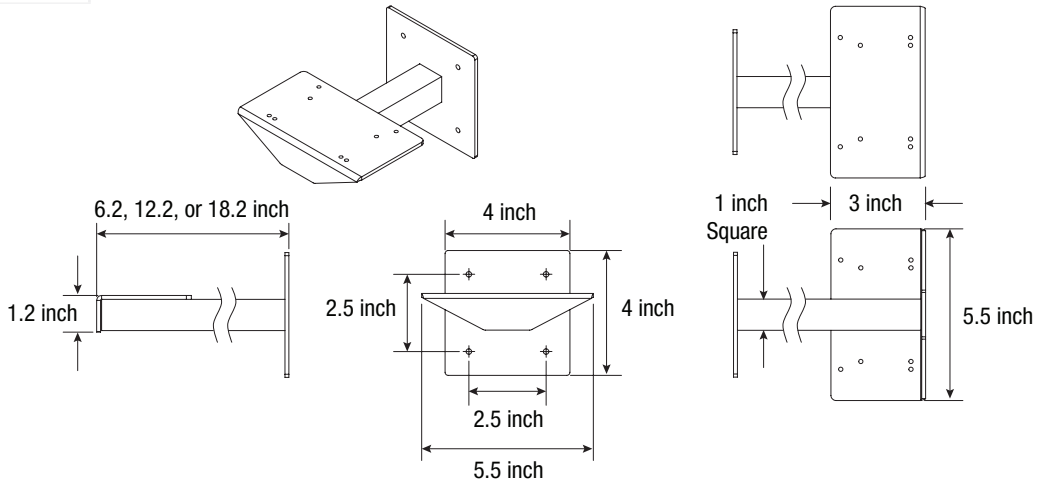
CANTILEVER ARM (CA2) - Available in 3 Lengths

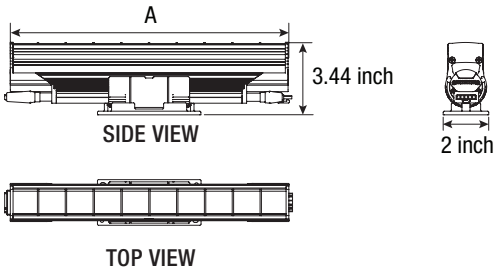
CA2	arm length
CA2-6	6"
CA2-12	12"
CA2-18	18"

Luminaire	CA2 Requirement
1-foot	1
4-foot	2



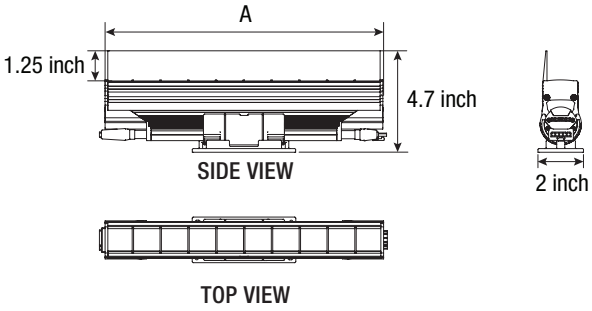
LOUVER (CGL)

	(A) louver length
CGL-1	12"
CGL-4	48"



LOUVER with HOUSE SHIELD (CGHS)

	(A) louver length
CGHS-1	12"
CGHS-4	48"



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CONNECTIONS & CABLES

LINEAR LIGHTING RUN

Male / Female connectors on luminaires are used to make linear lighting runs by being connected End-to End, to create an even linear light pattern.

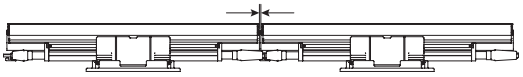
Fasten all Mounting Brackets in a straight line
to ensure even linear light distribution

GAP BETWEEN CONNECTED LUMINAIRES

Luminaires connect closely together to ensure runs have an even linear light pattern.

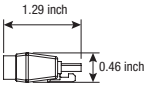
Daisy Chain 1FT Luminaires

0.12 inch Minimal to 0.13 inch Maximum



TERMINATOR CAP (TCAPDCL)

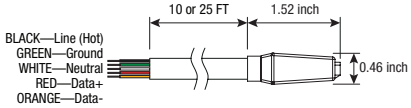
Required Terminator Cap is used at the end of each linear lighting run.



Data Terminator Cap
(w/ 120 ohm resister)

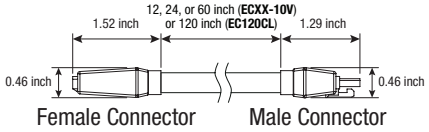
STARTER CORD (SCM10/25CL)

Required Starter Cord comes in multiple lengths with a luminaire connector at one end and lead wires at the other end for connecting power & data.



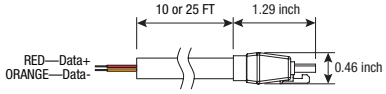
EXTENSION CORD (ECxx-10V) or (EC120CL)

The Extension Cord comes in multiple lengths with a luminaire connection at each end for power & data and adding space between luminaires in a linear run.



DATA BRIDGE CABLE (DBxxCL)

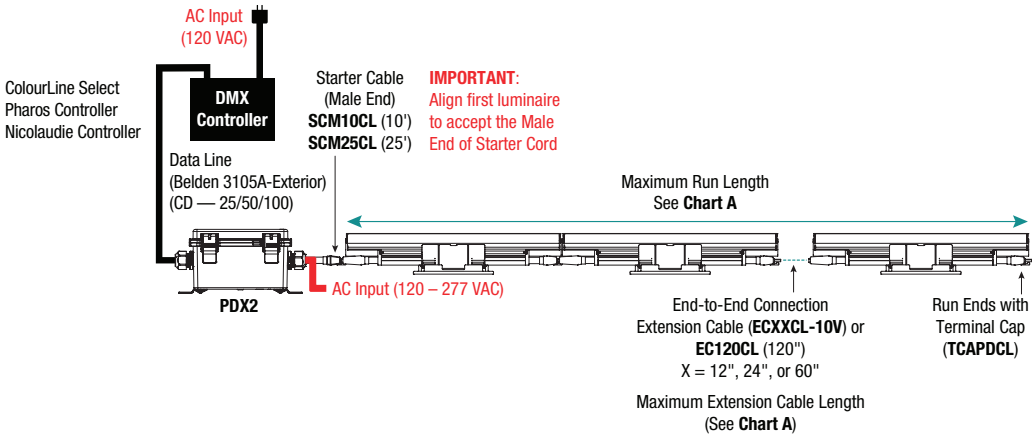
Provides continuation of DMX Data only, from the end of one run to the PDX box of the next run. Luminaire connection at one end and lead wires at the other.



CLCV - SINGLE SEGMENT CONFIGURATION EXAMPLE

Max Run Lengths	120V	240V	277V
14W luminaire	48'	94'	108'
9W luminaire	72'	146'	169'
5W luminaire	72'	146'	169'

May add up to 50 feet of
Extension or Starter Cord to above.



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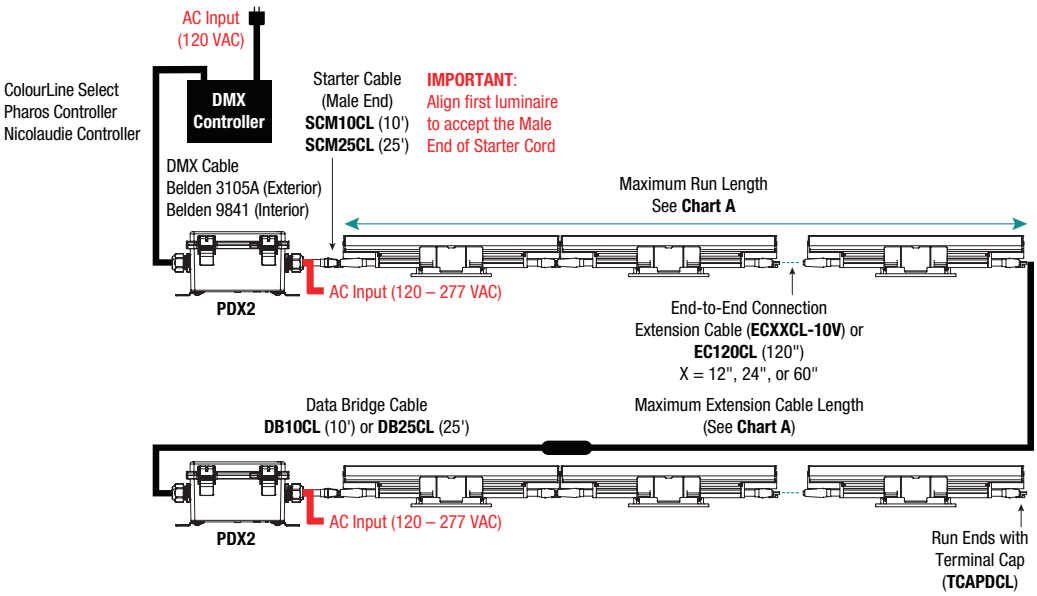
CLCV - EXTENDED SEGMENT CONFIGURATION EXAMPLE

Max Run Lengths	120V	240V	277V
14W luminaire	48'	94'	108'
9W luminaire	72'	146'	169'
5W luminaire	72'	146'	169'

May add up to 50 feet of Extension or Starter Cord to above.



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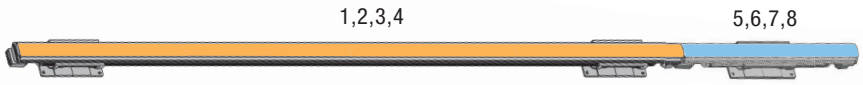
PERSONALITY - SET AT FACTORY FOR SPECIFIC CAPABILITIES

Consult factory when ordering to establish requirements for personality assignment and other addressing or feature programming to suit application specifics.

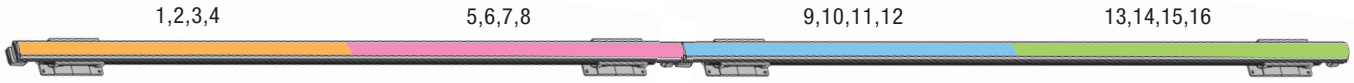
Personality 1 4 foot & 1 foot fixtures **configured 4 Channels per luminaire** (R,G,B,W)



Personality 2 4 foot & 1 foot fixtures **configured 2 channels per luminaire** (Color Tuning/Dynamic White) (No RGBW)

Personality 3 4 foot & 1 foot fixtures **configured 6 Channels per luminaire** to support Digital Dual Mode **6-Channel DMX** (Channel 1-4 RGBW, 5-Brightness, 6-Tuneable White CCT)

Personality 4 4 foot fixture (only) **configured in 2 foot increments** (4 Channels/2ft - R,G,B,W)



Personality 5 4 foot fixture (only) **configured in 1 foot increments** (4 Channels/1ft - R,G,B,W)

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