

## COLOURLINE GRAZE

Interior RGBW Luminaire



### SPECIFICATIONS

<b>color temperature</b>	<b>RGBW / Tunable White</b>
<b>PHYSICAL</b>	
<b>beam spread</b>	12° x 12°, 15° x 30°, 20° x 10°, 20° x 40°, 25° x 25°, 30° x 60°, 40° x 15°, 40° x 40°
<b>LEDs per foot</b>	(RGBW 4 in 1 multichip) - 10 per foot
<b>weight</b>	1 foot (.9 lbs), 4 foot (3.6 lbs)
<b>housing</b>	anodized extruded aluminum housing with injection molded polycarbonate end caps
<b>lens</b>	clear polycarbonate
<b>mounting</b>	standard surface mount bracket with full 180° rotation (+/- 90° from center)
<b>ingress protection</b>	dry or damp locations IP43 rated
<b>luminaire connections</b>	daisy chain with male and female, 5-PIN connectors

### PERFORMANCE

<b>lumen output [ all on ]</b>	525 lm per foot (14W) / 350 lm per foot (9W) / 185 lm per foot (5W) @ 100% all colors
<b>lumen maintenance</b>	L70 > 70,000 hours
<b>CCT Modes</b>	dynamic white (2000K–6500K) color tuning range can be custom set at factory
<b>operating temperature</b>	-4°F to 104°F (-20°C to 40°C)
<b>protocols</b>	DMX 512, RDM (ANSI E1.20)
<b>ColourQuick (CQ)</b>	provides uniform beam saturation, instantaneously without scalloping
<b>ColourClone (CC)</b>	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
<b>ColourSoft (CS)</b>	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
<b>ColourMode (CM)</b>	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) <i>*Tunable White mode must use the entire luminaire as one unit</i>
<b>warranty</b>	5-Year limited warranty

### ELECTRICAL

<b>input voltage</b>	Universal 120 - 277 VAC
<b>power supply</b>	integral Class II, electronic high-power factor 99% @ 120V
<b>controls</b>	SSL color controller, 3rd party DMX 512, RDM standard based control systems
<b>certification</b>	ETL / cETL, FCC-Part 15
<b>standards</b>	UL-Class I
<b>power consumption</b>	1 ft @ full power (13W / 9W / 5.5W), 4 ft @ full power (52W / 36W / 20W)

# 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.

_____ <b>SCM10CL</b>	10 ft. Starter Cord	_____ <b>TCAPDCL</b>	Data Terminator Cap ( w/ 120 ohm resistor)	_____ <b>EC12-10V</b>	12 in. Extension Cord
_____ <b>SCM25CL</b>	25 ft. Starter Cord	_____ <b>DB10CL</b>	10 ft. Data Bridge Cable	_____ <b>EC24-10V</b>	24 in. Extension Cord
		_____ <b>DB25CL</b>	25 ft. Data Bridge Cable	_____ <b>EC60-10V</b>	60 in. Extension Cord
				_____ <b>EC120CL</b>	10 ft. Extension Cord

## Mounting Options (order separately)

	Luminaire	CA2 Requirement per luminaire
_____ <b>CA2-6</b>	Cantilever Arm - 6"	
_____ <b>CA2-12</b>	Cantilever Arm - 12"	1-foot
_____ <b>CA2-18</b>	Cantilever Arm - 18"	4-foot

_____ <b>PHAROS TPS-5-B</b>	5" Designer Touch Panel Station	_____ <b>DE3BK(WH)</b>	Nicolaudie STICK DE-3 Black or White Wall Mount Controller w/color dial
_____ <b>PHAROS XPC1</b>	Expert Controller; 512 channels of eDMX/DMX	_____ <b>CW4-WH</b>	Nicolaudie STICK White Touch Screen with Internal WiFi
_____ <b>PHAROS XPC2</b>	Expert Controller; 1024 channels of eDMX/DMX	_____ <b>GA2WH(BK)</b>	Nicolaudie STICK-GA2 White or Black Wall Mount Controller
_____ <b>PHAROS XPT-5-B</b>	Expert Touch Panel; 5" Display in Black	_____ <b>DXC-25</b>	25 foot DMX cable
_____ <b>PHAROS TPC-BB</b>	Touch Panel Controller - Black on Black (512 Channels EDMX)	_____ <b>DXC-50</b>	50 foot DMX cable
_____ <b>PHAROS EXT</b>	Extension for TPC Connectivity	_____ <b>DXC-100</b>	100 foot DMX cable
_____ <b>PHAROS LPC1</b>	Lighting Playback Controller 1 (512 channels DMX/eDMX)	_____ <b>CD-10</b>	10 foot controller data cable (for CSC only)
_____ <b>PHAROS LPC2</b>	Lighting Playback Controller 2 (1,024 channels DMX/eDMX)	_____ <b>CD-25</b>	25 foot controller data cable (for CSC only)
_____ <b>PDX2</b>	Power Data Wiring Box (exterior rated)	_____ <b>CD-50</b>	50 foot controller data cable (for CSC only)
_____ <b>PDX-RDS2</b>	Power Data Wiring Box w/2-port splitter	_____ <b>CD-100</b>	100 foot controller data cable (for CSC only)
_____ <b>PDX-RDS4</b>	Power Data Wiring Box w/4-port splitter	_____ <b>MV 5900</b>	Multiverse Show Baby DMX Wireless Bridge (Indoor)
_____ <b>SCSC-2WH (2BK)</b>	White or Black Wall Mount ColourSelect Controller (2 universe)	_____ <b>7400-5707M</b>	Show DMX Vero DMX Wireless Bridge (Exterior)
_____ <b>CSC-E</b>	ColourSelect Controller (2 universe)		

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

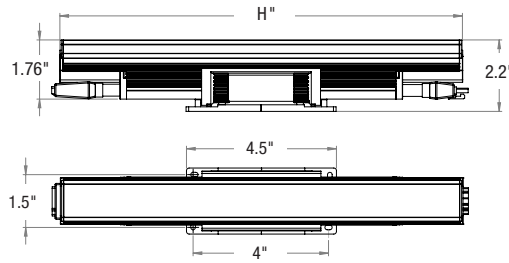
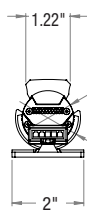


# Dimensions

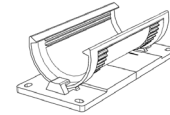
## ColourLine Graze

### DIMENSIONS WITH STANDARD BRACKET

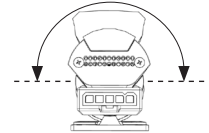
luminaire length 1' and 4'  
H = 12" (1') and 48" (4')



Standard 180° Adjustable Bracket

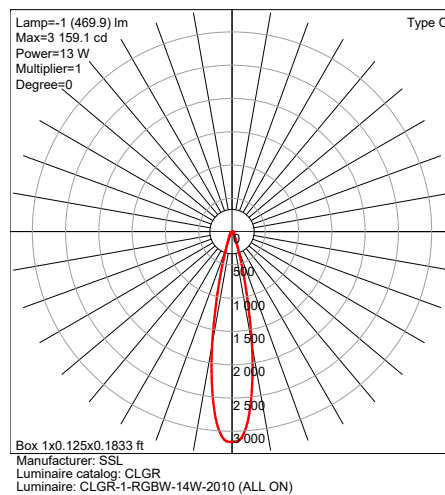
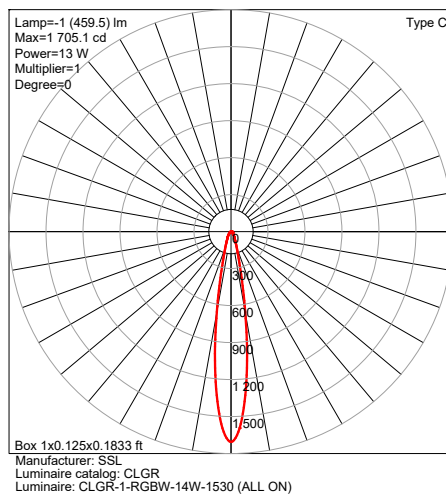
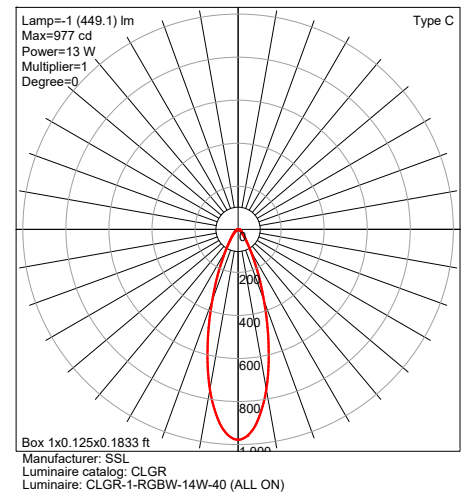
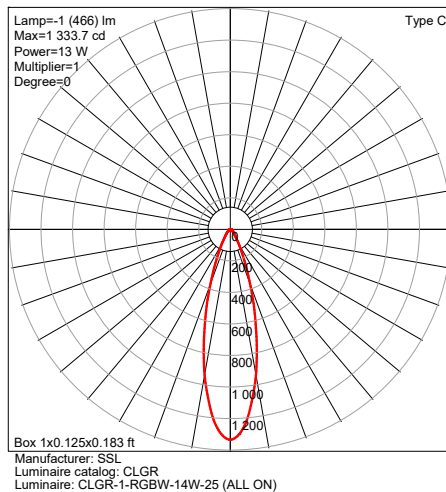
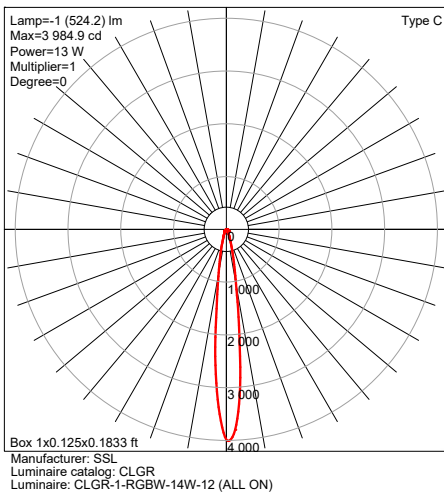


180° Full Rotation

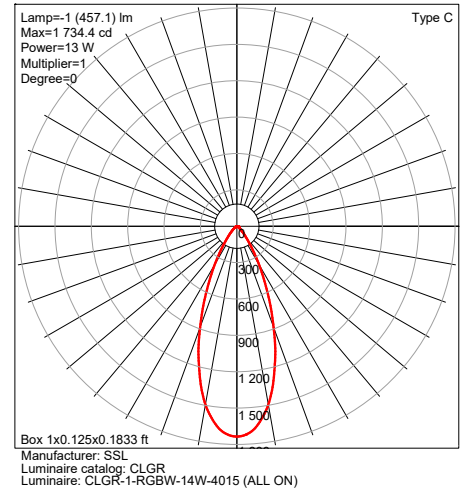
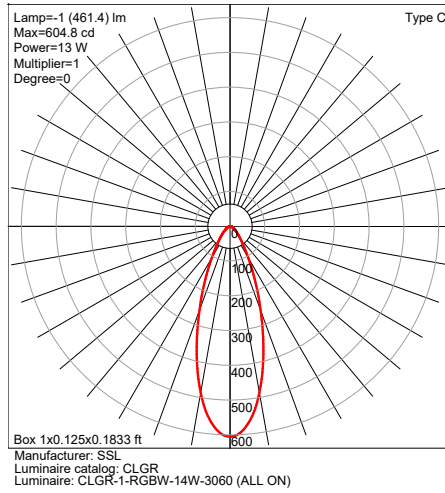
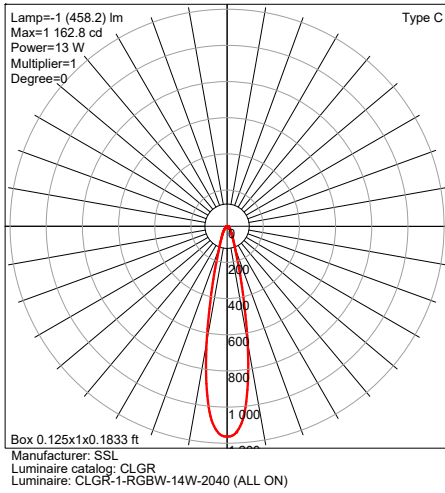


# Photometry

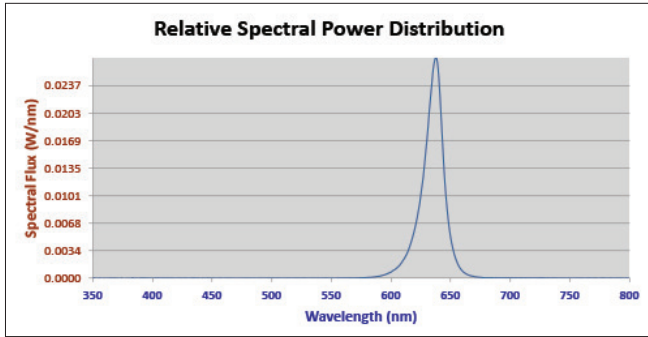
### CLGR 1FT RGBW



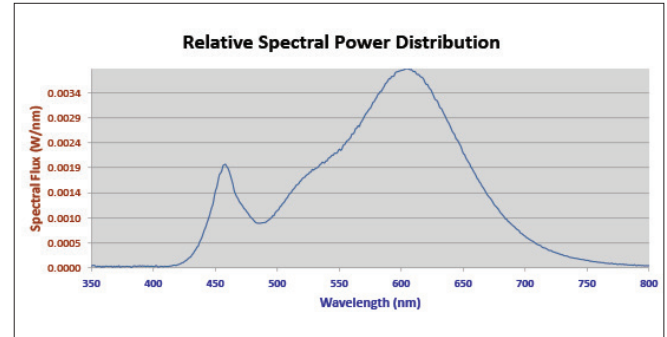
CLGR 1FT RGBW



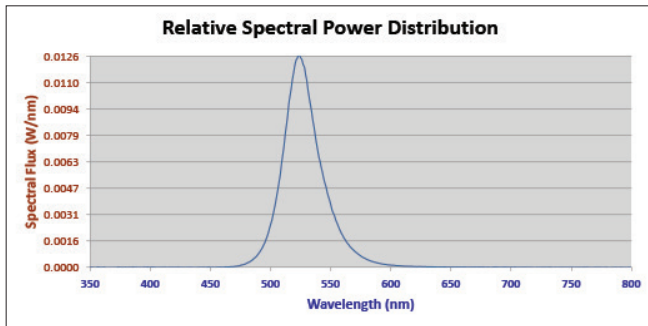
## SPECTRAL INFORMATION



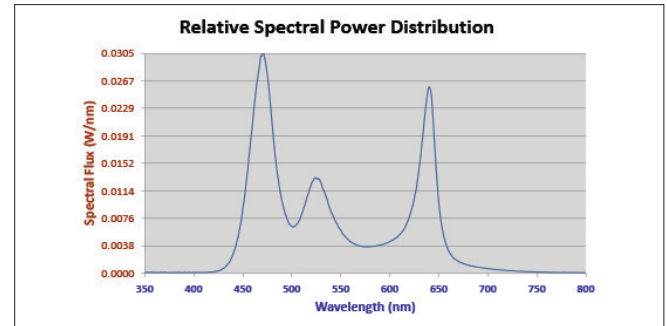
RED	
Dominant Wavelength	625
Peak Wavelength	637
Chromaticity Difference	N/A



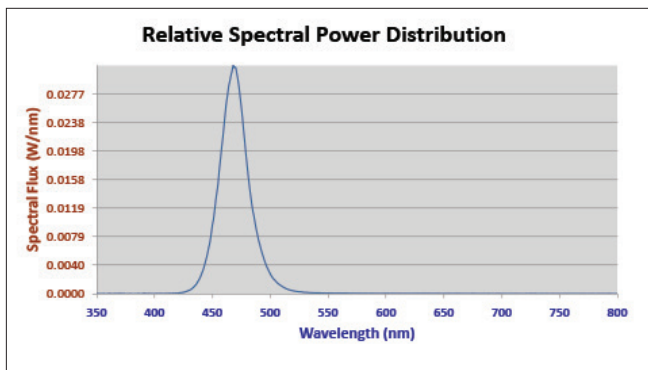
WHITE	
Dominant Wavelength	583
Peak Wavelength	604
Chromaticity Difference	0.0009
CCT	2985K



GREEN	
Dominant Wavelength	530
Peak Wavelength	524
Chromaticity Difference	0.1537



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

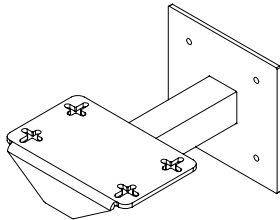


BLUE	
Dominant Wavelength	471
Peak Wavelength	469
Chromaticity Difference	0.1619

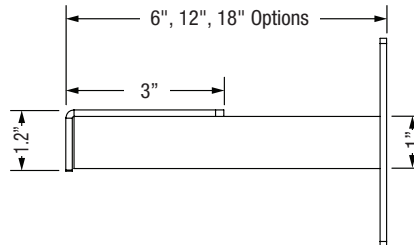
Due to continuous development and improvements, specifications are subject to change without notice.  
Product use certifies agreement to Solid State Luminaires terms and conditions.

### CANTILEVER ARM (CA2) - Available in 3 Lengths

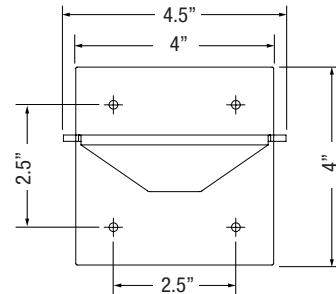
CA2	arm length	Luminaire	CA2 Requirement
CA2-6	6"	1-foot	1
CA2-12	12"	4-foot	2
CA2-18	18"		



ISOMETRIC VIEW



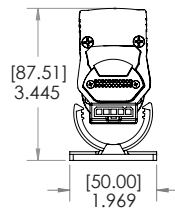
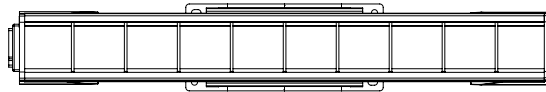
SIDE VIEW



FRONT VIEW

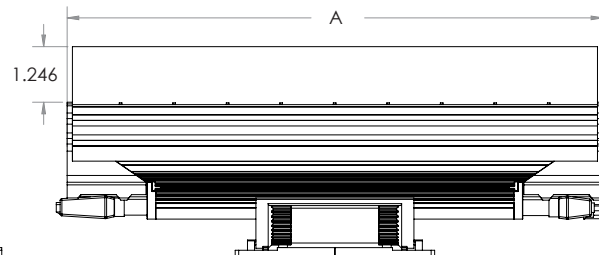
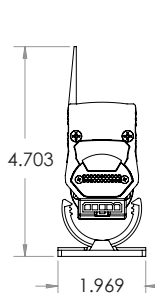
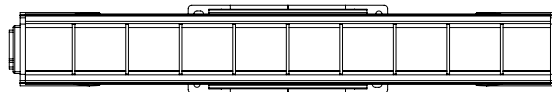
### LOUVER (CGL)

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



### LOUVER with HOUSE SHIELD (CGHS)

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



### CONNECTIONS & CABLES

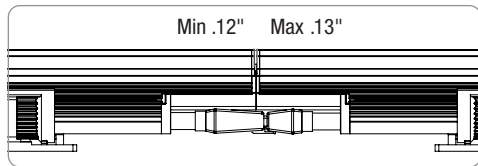
#### LINEAR LIGHTING RUN

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.



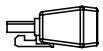
#### GAP BETWEEN CONNECTED LUMINAIRES

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



#### TERMINATOR CAP (TCAPDCL)

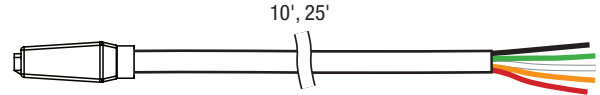
Required Terminator Cap is used at the end of each linear lighting run.



Data Terminator Cap  
(w/ 120 ohm resistor)

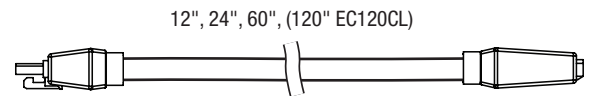
#### STARTER CORD (SCM10/25CL)

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.



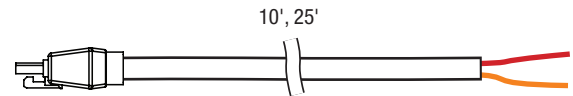
#### EXTENSION CORD (ECxx-10V) or (EC120CL)

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.



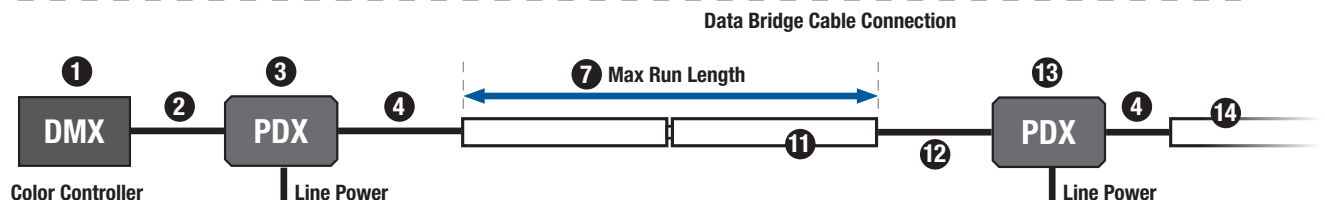
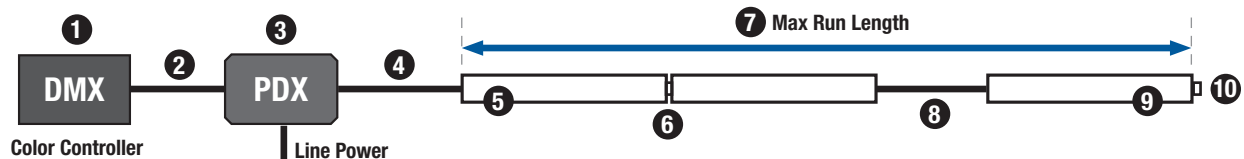
### CLGR - SINGLE SEGMENT CONFIGURATION EXAMPLE

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.

#### Component Identification

- 1) DMX Color Controller (see pg. 2)
- 2) DMX Data Cable **DXC-xx** or **CD-xx** (CSC only)
- 3) PDX Power Data Wiring Box
- 4) Starter Cord **SCMxxCL**
- 5) First luminaire begins Linear Run
- 6) Luminaires connect end to end
- 7) Distance from 1st to last luminaire in linear run
- 8) Extension Cord **ECxx-10V** or **EC120CL**  
(Can add up to 50' more Extension Cord to Max Run Length)
- 9) Last luminaire in the linear run
- 10) Terminator Cap **TCAPDCL** (required at end of run)
- 11) Last luminaire showing Data Bridge Cable connection
- 12) Data Bridge Cable **DBxxCL** to continue DMX Data only
- 13) PDX Box to connect Data Bridge Cable
- 14) Continuation of controlled luminaire run



### 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.

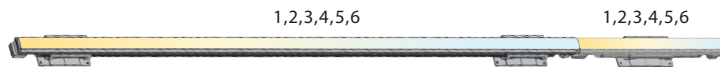
**Personality 1** 4 foot & 1 foot luminaires **configured 4 Channels per luminaire** (R,G,B,W)



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



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



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



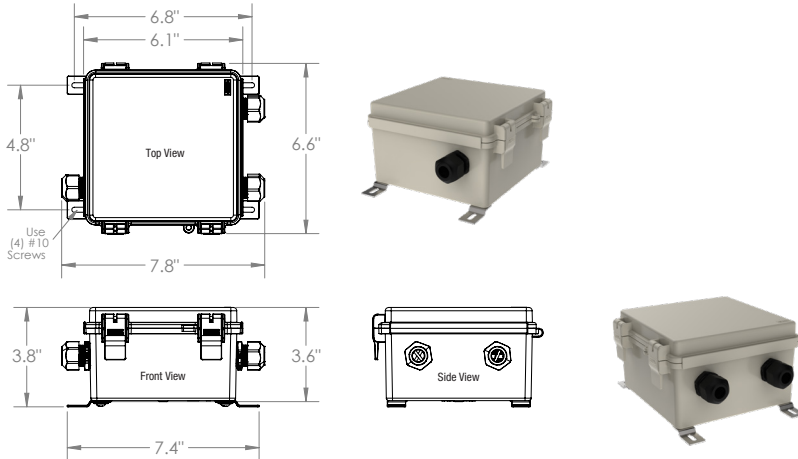
**Personality 5** 4 foot luminaire (only) **configured in 1 foot increments** (4 Channels/1ft - R,G,B,W)



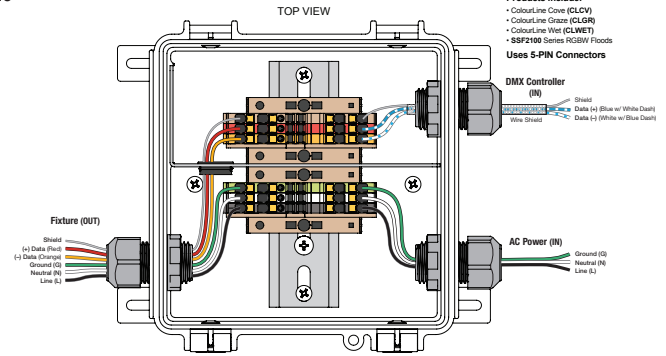


### PDX2 - POWER DATA WIRING BOX (ONE PDX2 REQUIRED PER RUN)

The PDX2 is an exterior-rated enclosure that consolidates multiple input sources into one output to the CLGR luminaires. Data input from the RDM Color controller and AC input combine to provide one output to a Starter Cord. One PDX2 box is required per each luminaire run.

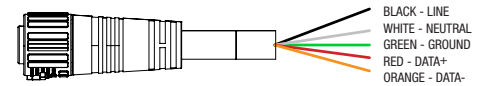


PDX2 Wiring for ColourLine Series



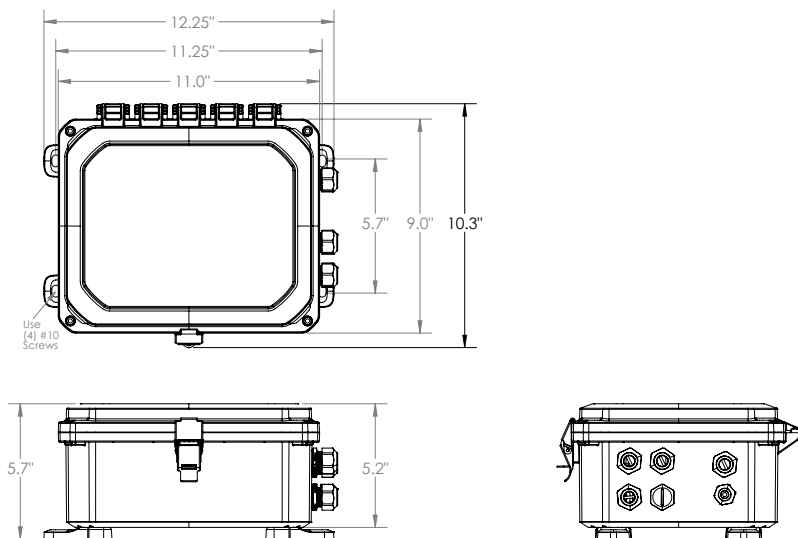
Products include:  
 • ColourLine Cove (CLCV)  
 • ColourLine Graze (CLGR)  
 • ColourLine Web (CLWET)  
 • SSP2100 Series RGBW Floods

Starter Cable out to luminaire



### PDX-RDS2 - POWER DATA WIRING BOX - WITH 2-PORT SPLITTER

The PDX-RDS2 is an exterior-rated enclosure with a transparent, hinged cover that latches and seals using a formed in place PUR gasket and a stainless steel hinge pin. The PDX-RDS2 houses a DMX/RDM 2 port splitter/repeater that takes in one DMX input and provides two regenerated DMX outputs that can be any combination of starter cords or straight DMX outputs. The repeater allows you to daisy-chain PDX2 or PDX-RDS2 boxes by providing two maximum DMX run length outputs.



#### Connector Identification

- 1) AC Input (Line power)
- 2) DMX Data Cable **DXC-xx** or **CD-xx** (CSC only)
- 3) Starter Cord **SCxxLZWET** one
- 4) Starter Cord **SCxxLZWET** two
- 5) Auxiliary Ground

