

COLOURLINE WET
Exterior RGBW Luminaire



Date:	Approved:
Type:	
Fixture:	
Project:	

SPECIFICATIONS

color temperature	RGBW / Tunable White
PHYSICAL	
beam spread	6°, 10°, 10° x 30°, 10° x 40°, 15° x 30°, 30° x 60°, 40° x 40°, 30° x 20°, 40° x 15°, 60° x 20°
LEDs	12 per foot - (3) red, (3) green, (3) blue, (3) white
weight	1 foot (2.8 lbs), 4 foot (10.4 lbs)
housing	anodized marine grade, extruded aluminum housing, die cast end caps sealed with bonded silicone gaskets; stainless steel fasteners
lens	tempered glass - IK07 Rating
mounting	extruded aluminum and stainless steel surface mount brackets; standard provides 80° of tilt; optional 180° tilt bracket available
ingress protection	dry, damp or wet locations IP66 rated : connectors IP68 (waterproof)
vibration resistance	compliant with 3G ANSI C136.31 for bridge and roadway applications
luminaire connections	daisy chain with male and female twist and lock 5-PIN, IP68 rated connectors

PERFORMANCE

lumen output [all on]	650 lm per foot (15W), 300 lm per foot (8W) @ 100% all colors
lumen maintenance	L70 > 70,000 hours
operating temperature	-49°F to 104°F (-45°C to 40°C)
protocols	DMX 512, RDM (ANSI E1.20)
ColourQuick (CQ)	provides uniform beam saturation 3" from luminaire surface (1.5" on center from vertical surface)
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) <i>*Tunable White mode must use the entire luminaire as one unit</i>
warranty	5-Year limited warranty

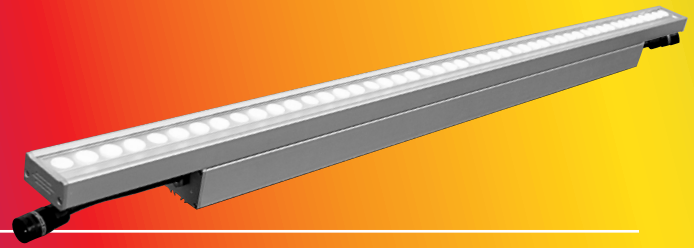
ELECTRICAL

input voltage	Universal 120 - 277 VAC
power supply	integral Class II, electronic high-power factor 99% @ 120V
controls	SSL ColourSelect, 3rd party DMX 512, RDM standard based control system
certification	ETL / cETL, FCC Part 15
standards	UL-Class I
power consumption	15W @ 120V / 1ft - (54W @ 120V / 4ft), 8W @ 120V / 1ft - (24.5W @ 120V / 4ft)



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

Ordering Information



PART NUMBERS

CLWET		RGBW							
MODEL	LENGTH	COLOR	OUTPUT	OPTICS	OPTIONS (CHOOSE 1)				
CLWET COLOURLINE WET	1 12 in. [305 mm]	RGBW	RGBW	15W 15W/ft	6 6° beam	3020	30° x 20° beam	CLWFA	180° Adj. Bracket
	4 48 in. [1219 mm]	RGBW-TW	RGBW & Tunable White	8W 8W/ft	10 10° x 10° beam	3060	30° x 60° beam	CLWL-1	1 ft CLWET Louver
		TW	Tunable White	1030	10° x 30° beam	4015	40° x 15° beam	CLWL-4	4 ft CLWET Louver
		1040	10° x 40° beam	40	40° x 40° beam	CLWHS-1	1 ft CLWET Louver w/House Shield		
	1530	15° x 30° beam	6020	60° x 20° beam	CLWHS-4	4 ft CLWET Louver w/House Shield			

*Louver & House Shield not recommended for 10° x 40°, 30° x 60°, 40° x 15°, 40°, 60° x 20°

Cable Accessories (order separately)

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

_____ SC10CLW 10 ft. Starter Connection Cord	_____ TCAPDCLW Data Terminator Cap (includes 120 Ω resistor)	_____ EC60CLW 60 in. (5 ft.) Extension Cord
_____ SC25CLW 25 ft. Starter Connection Cord	_____ DB25CLW 25 ft. Data Bridge Cable	_____ EC120CLW 120 in. (10 ft.) Extension Cord
_____ SC50CLW 50 ft. Starter Connection Cord	_____ EC12CLW 12 in. (1 ft.) Extension Cord	_____ EC240CLW 240 in. (20 ft.) Extension Cord
	_____ EC24CLW 24 in. (2 ft.) Extension Cord	

Mounting Options (order separately)

_____ CA2-6 Cantilever Arm - 6"	Luminaire	CA2 Requirement	_____ HLS Heavy Duty Landscape Spike
_____ CA2-12 Cantilever Arm - 12"	1-foot	1	
_____ CA2-18 Cantilever Arm - 18"	4-foot	2	

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

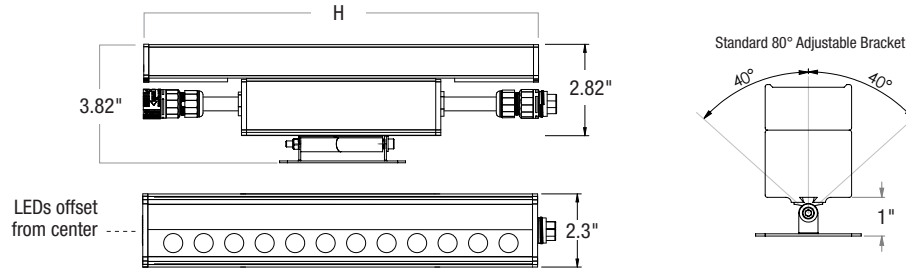
_____ PHAROS TPS-5-B 5" Designer Touch Panel Station	_____ CSC-E ColourSelect Controller (2 universe)
_____ PHAROS XPC1 Expert Controller; 512 channels of eDMX/DMX	_____ DE3BK(WH) Nicolaudie STICK DE-3 Black or White Wall Mount Controller w/color dial
_____ PHAROS XPC2 Expert Controller; 1024 channels of eDMX/DMX	_____ CW4-WH Nicolaudie STICK White Touch Screen with Internal WiFi
_____ PHAROS XPT-5-B Expert Touch Panel; 5" Display in Black	_____ GA2WH(BK) Nicolaudie STICK-GA2 White or Black Wall Mount Controller
_____ PHAROS TPC-BB Touch Panel Controller - Black on Black (512 Channels EDMX)	_____ DXC-25 25 foot DMX cable
_____ PHAROS EXT Extension for TPC Connectivity	_____ DXC-50 50 foot DMX cable
_____ PHAROS LPC1 Lighting Playback Controller 1 (512 channels DMX/eDMX)	_____ DXC-100 100 foot DMX cable
_____ PHAROS LPC2 Lighting Playback Controller 2 (1,024 channels DMX/eDMX)	_____ CD-10 10 foot controller data cable (for CSC only)
_____ PDX2 Power Data Wiring Box (exterior rated)	_____ CD-25 25 foot controller data cable (for CSC only)
_____ PDX-RDS2 Power Data Wiring Box w/2-port splitter	_____ CD-50 50 foot controller data cable (for CSC only)
_____ PDX-RDS4 Power Data Wiring Box w/4-port splitter	_____ CD-100 100 foot controller data cable (for CSC only)
_____ CL-RS4 4 Port RDM splitter w/120V power supply	_____ MV 5900 Multiverse Show Baby DMX Wireless Bridge (Indoor)
_____ SCSC-2WH (2BK) White or Black Wall Mount ColourSelect Controller (2 universe)	_____ 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.



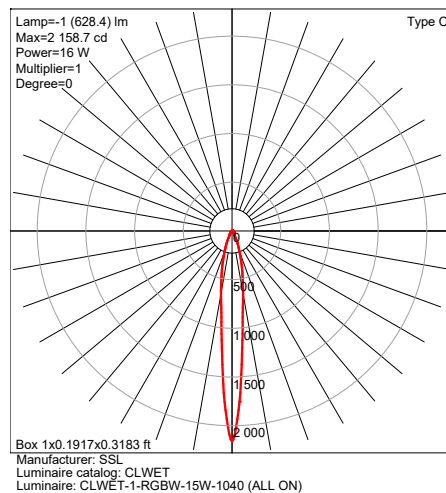
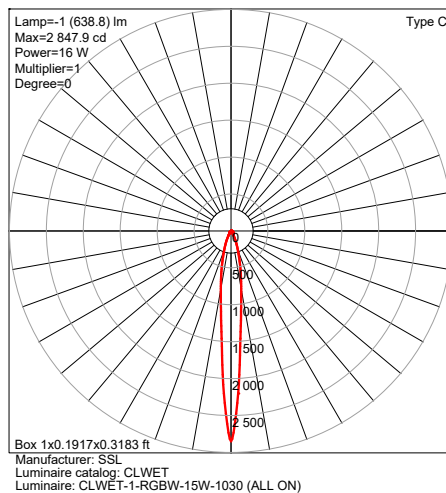
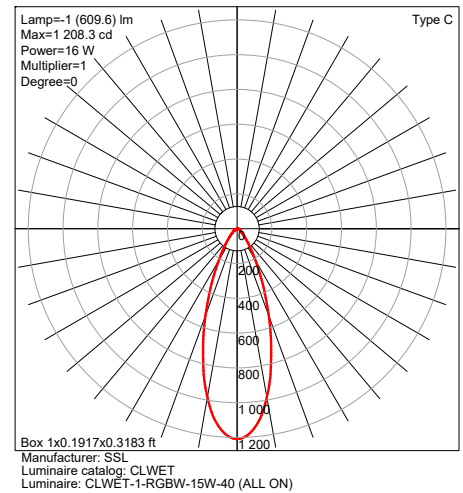
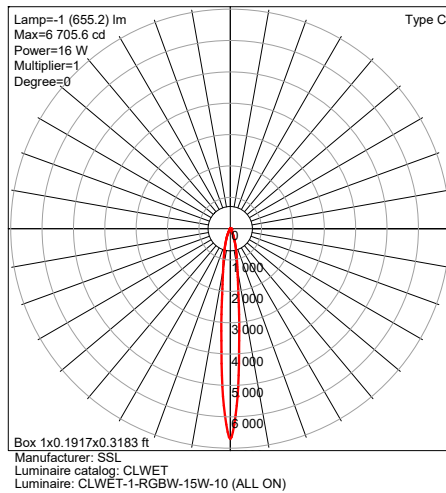
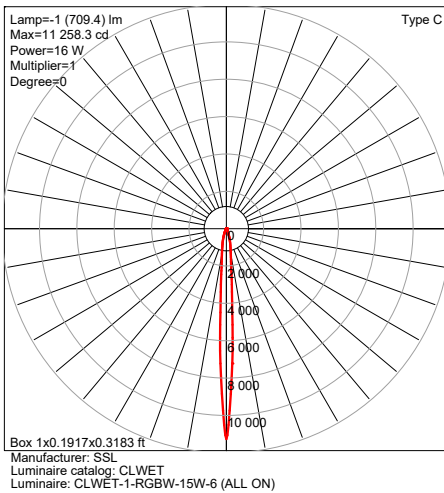
DIMENSIONS WITH STANDARD BRACKET

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

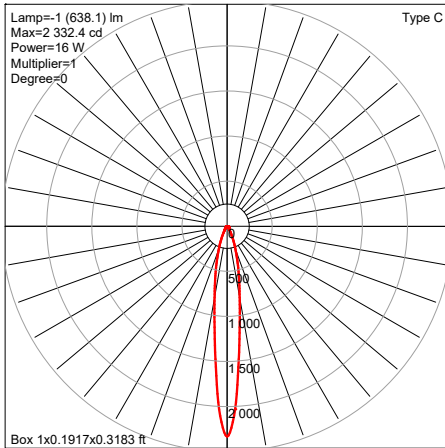


Photometry

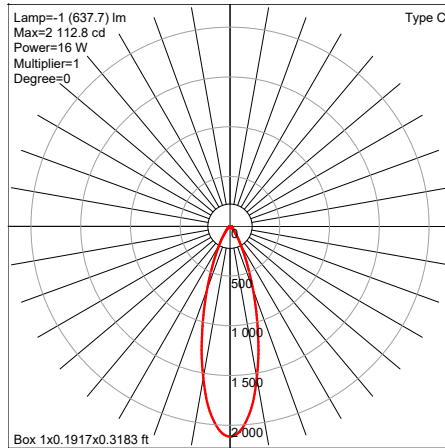
CLWET 1FT RGBW



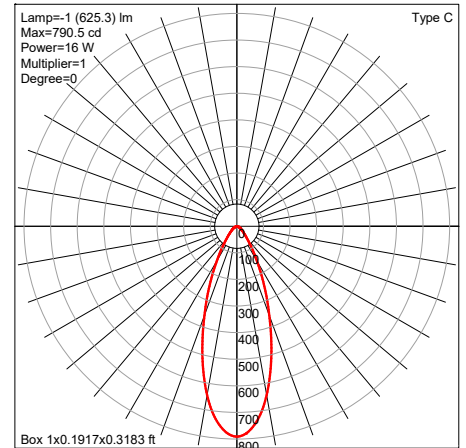
CLWET 1FT RGBW



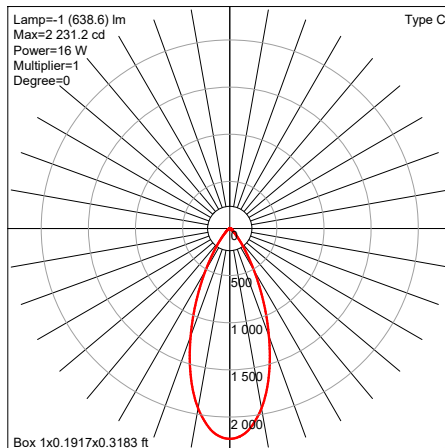
Box 1x0.1917x0.3183 ft
 Manufacturer: SSL
 Luminaire catalog: CLWET
 Luminaire: CLWET-1-RGBW-15W-1530 (ALL ON)



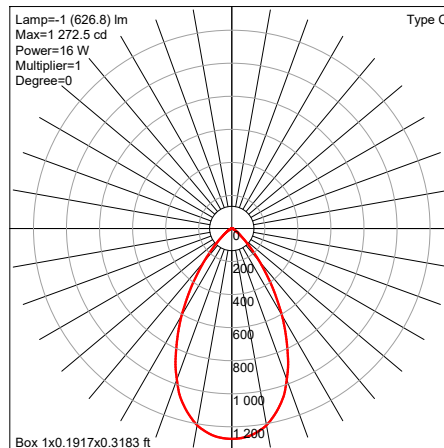
Box 1x0.1917x0.3183 ft
 Manufacturer: SSL
 Luminaire catalog: CLWET
 Luminaire: CLWET-1-RGBW-15W-3020 (ALL ON)



Box 1x0.1917x0.3183 ft
 Manufacturer: SSL
 Luminaire catalog: CLWET
 Luminaire: CLWET-1-RGBW-15W-3060 (ALL ON)

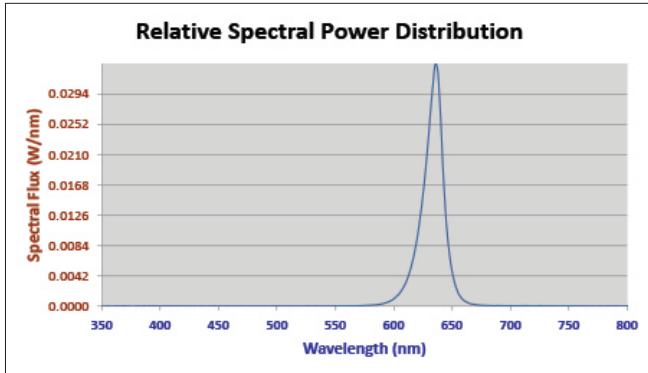


Box 1x0.1917x0.3183 ft
 Manufacturer: SSL
 Luminaire catalog: CLWET
 Luminaire: CLWET-1-RGBW-15W-4015 (ALL ON)

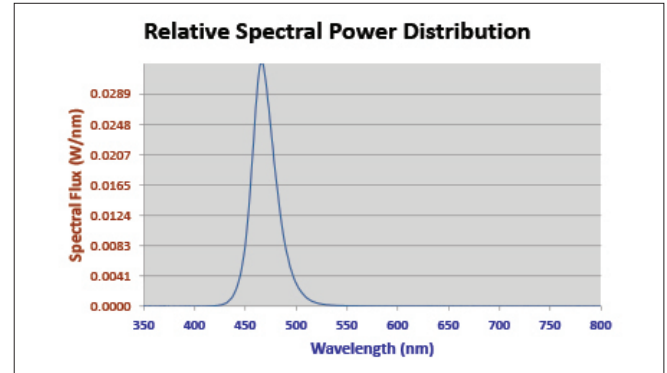


Box 1x0.1917x0.3183 ft
 Manufacturer: SSL
 Luminaire catalog: CLWET
 Luminaire: CLWET-1-RGBW-15W-6020 (ALL ON)

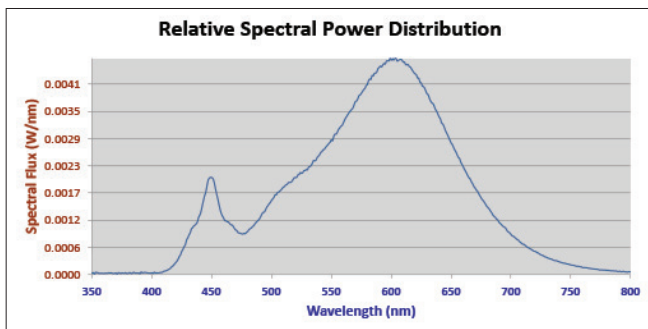
SPECTRAL INFORMATION



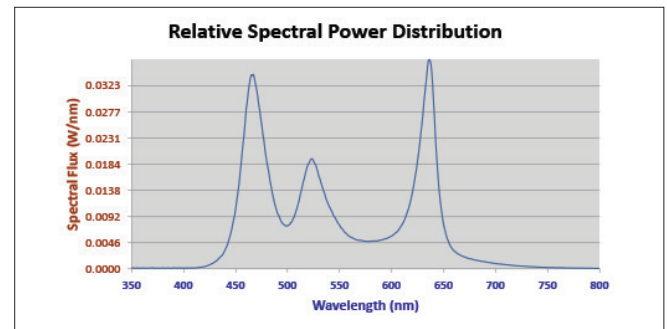
RED	
Dominant Wavelength	625
Peak Wavelength	636
Chromaticity Difference	N/A



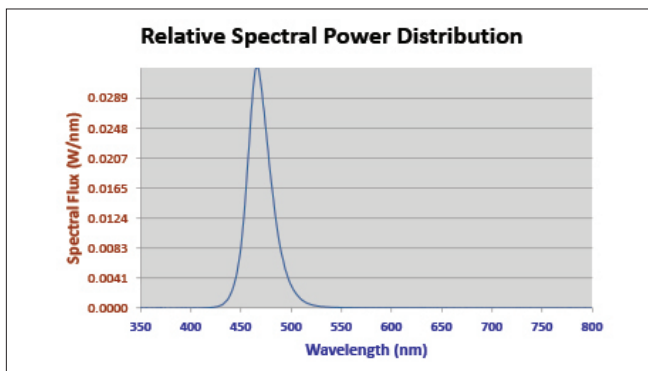
WHITE	
Dominant Wavelength	582
Peak Wavelength	603
Chromaticity Difference	0.0005



GREEN	
Dominant Wavelength	530
Peak Wavelength	523
Chromaticity Difference	0.1548



ALL ON	
Dominant Wavelength	475
Peak Wavelength	636
Chromaticity Difference	-0.0065



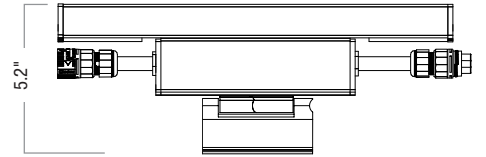
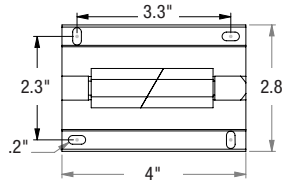
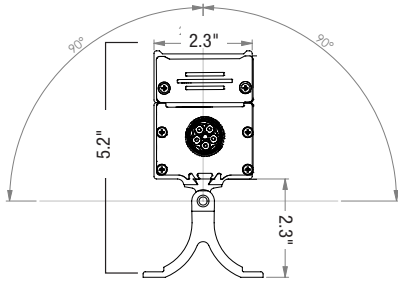
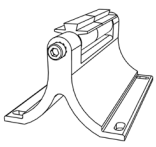
BLUE	
Dominant Wavelength	471
Peak Wavelength	466
Chromaticity Difference	0.1619

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Mounting & Accessory Options

ColourLine Wet

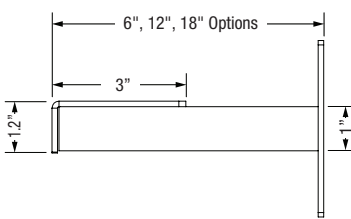
CLWFA - FULL 180° ADJUSTABLE BRACKET



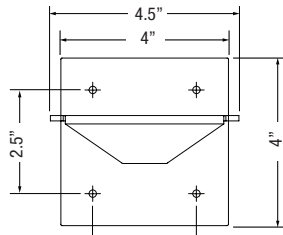
CLWET	CLWFA Requirement
1'	1
4'	2

CANTILEVER ARM - CA2 (Available in 3 Lengths)

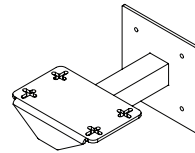
CA2	arm length	Luminaire	CA2 Requirement
CA2-6	6"	1-foot	1
CA2-12	12"	4-foot	2
CA2-18	18"		



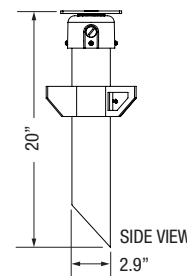
SIDE VIEW



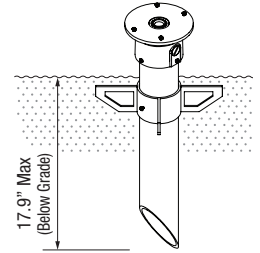
FRONT VIEW



HEAVY DUTY LANDSCAPE SPIKE - HLS



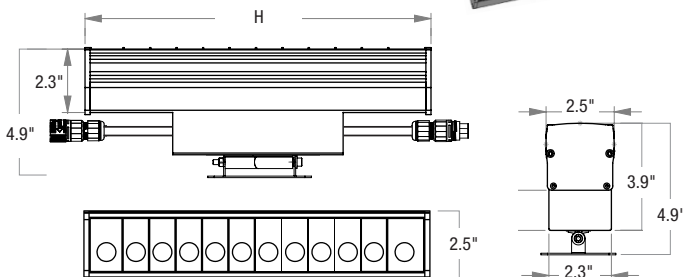
SIDE VIEW



17.9" Max (Below Grade)

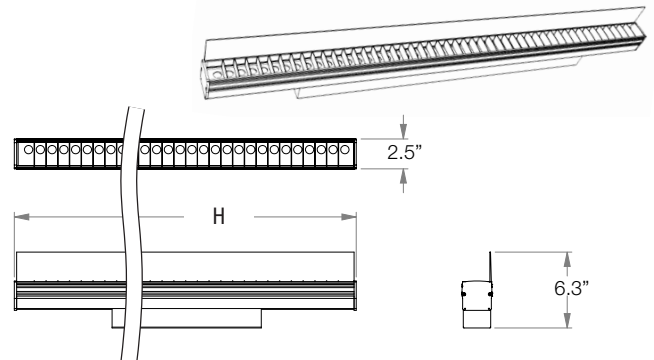
LOUVRE - CLWL

louvre length = H	12.7"	48.4"
louvre width	2.5"	



HOUSE SHIELD - CLWHS

house shield length = H	12.7"	48.4"
house shield width	2.5"	



CONNECTIONS & CABLES

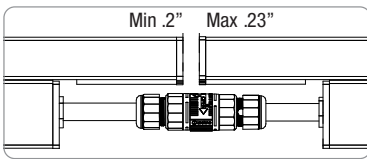
LINEAR LIGHTING RUN

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




GAP BETWEEN CONNECTED FIXTURES

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



TERMINATOR CAP (TCAPDCLW)

Required Terminator Cap is used at the end of each linear lighting run. (Female Connector)

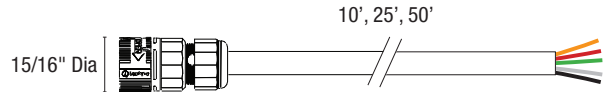
(contains 120 ohm resistor)  15/16" Dia



**HAND TIGHTEN ONLY
DO NOT OVERTIGHTEN**

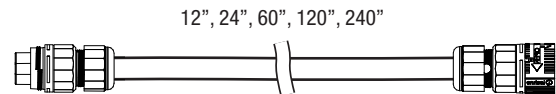
STARTER CORD (SCxxCLW)

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.



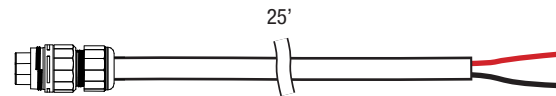
EXTENSION CORD (ECxxCLW)

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 (DBxxCLW)

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.



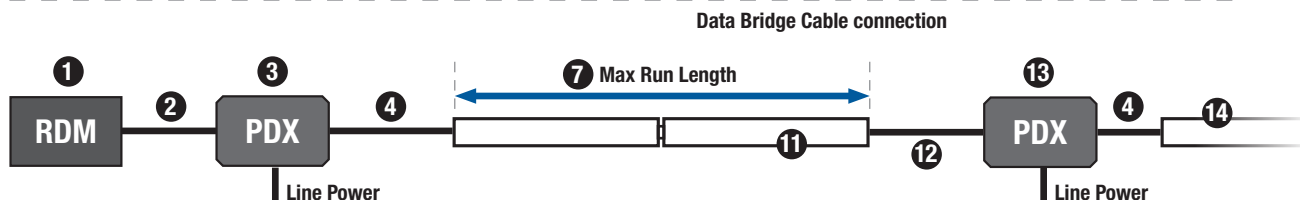
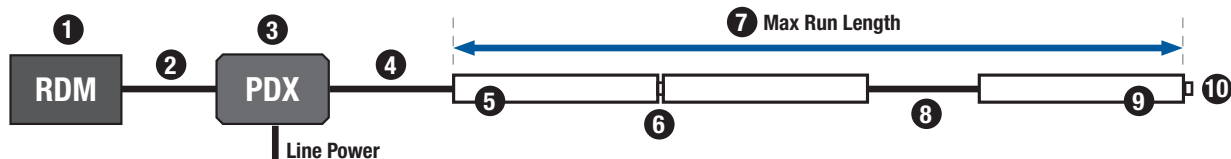
CLWET - SINGLE SEGMENT CONFIGURATION EXAMPLE

Max Run Lengths	120V	240V	277V
15W luminaire	85'	169'	196'
8W luminaire	131'	262'	304'

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

Component Identification

- 1) RDM DMX Controller (see pg. 2)
- 2) DMX Data Cable **DXC-xx** or **CD-xx** (CSC only)
- 3) PDX Power Data Wiring Box
- 4) Starter Cord **SCxxCLW**
- 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 **ECxxCLW**
(Can add up to 50' more Extension Cord to Max Run Length)
- 9) Last luminaire in the linear run
- 10) Terminator Cap **TCAPDCLW** (required at end of run)
- 11) Last luminaire showing Data Bridge Cable connection
- 12) Data Bridge Cable **DBxxCLW** to continue DMX Data only
- 13) PDX Box to connect Data Bridge Cable
- 14) Continuation of controlled luminaire run



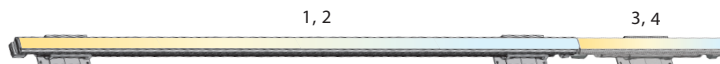
PERSONALITY - SET AT FACTORY FOR SPECIFIC CAPABILITIES

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

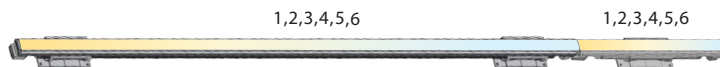
Personality 1 4 foot & 1 foot luminaires **configured 4 Channels per luminaire** (R,G,B,W)



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)

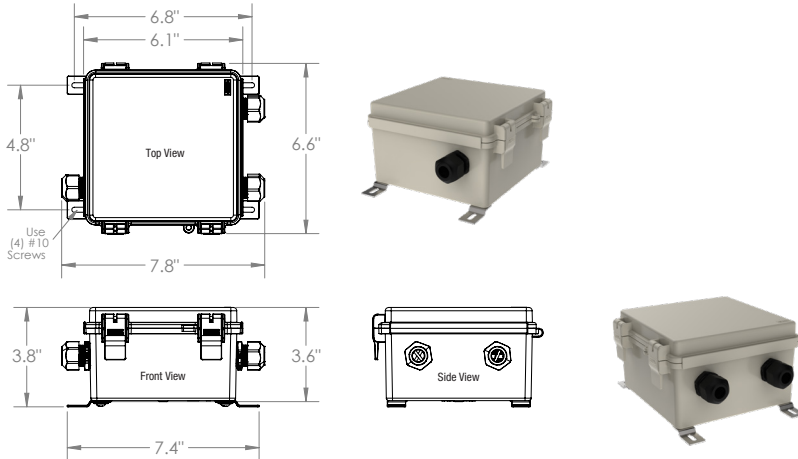


Personality 5 4 foot luminaire (only) **configured in 1 foot increments** (4 Channels/1ft - R,G,B,W)

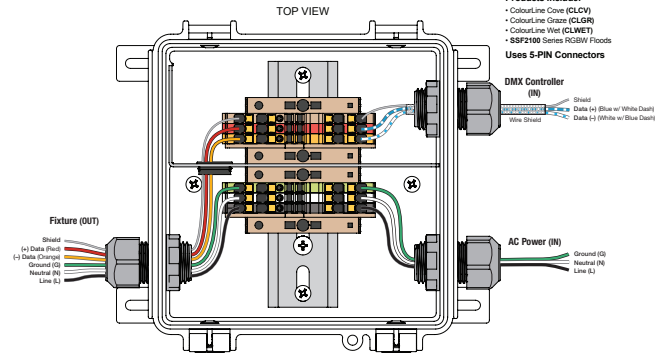


PDX2 - POWER DATA WIRING BOX (ONE PDX2 REQUIRED PER RUN)

The PDX2 is an exterior-rated enclosure that consolidates multiple input sources into one output to the CLWET 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.

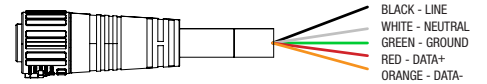


PDX2 Wiring for ColourLine Series



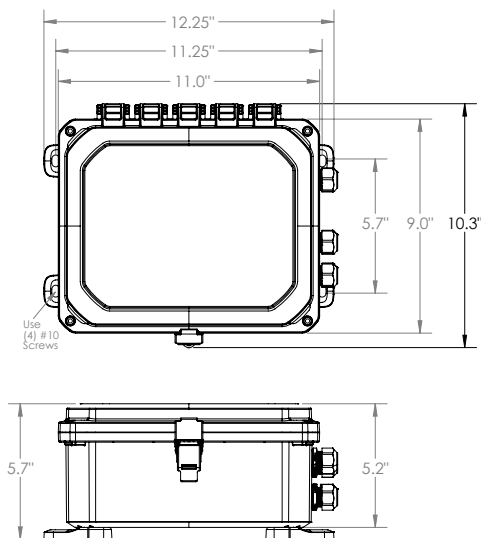
Products include:
 • ColourLine Cove (CLCV)
 • ColourLine Grate (CLGR)
 • ColourLine Wet (CLWET)
 • SSP2100 Series RGBW Floods
Uses 5-PIN Connectors

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 **DXG-xx** or **GD-xx** (CSC only)
- 3) Starter Cord **SCxxLZWET** one
- 4) Starter Cord **SCxxLZWET** two
- 5) Auxiliary Ground



DMX / RDM PROTOCOL CONTROLLERS



PHAROS TPC-BB - Pharos Touch Panel Controller - Black on Black finish

TPC Touch Panel Controller is an elegant lighting controller with a customizable 4.3" touch screen, 512 channels of eDMX output and flexible interfacing potential. The TPC must work in conjunction with the EXT or LPC. Pharos Backbox is available for mounting.



PHAROS EXT - Extension Device for TPC Connectivity

The Pharos EXT is an extension for the Pharos TPC for making the physical DMX or eDMX output connections. It also provides a PoE connection for the TPC. It's DIN rail mounted. This device supports electrical input of 120-240V AC power.



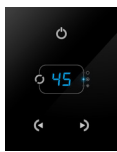
PHAROS LPC - Lighting Playback Controller

Pharos offers two playback controllers, LPC1 (512 channels DMX/eDMX) and LPC2 (1024 channels DMX/eDMX) Pharos LPC (Lighting Playback Controller) is a versatile control solution. The LPC family features individually controllable and independently running timelines and scenes, letting you build dynamic, precise, fully customizable lighting effects. The LPC can be ordered with 1 to 100 Universe capability. It requires a TPC or PC to interface and is powered via 9V to 48V DC or PoE (IEEE802.3af, Class 2), 4W typical.



DE3BK(WH) - Nicolaudie STICK-DE3 Black or White Wall Mount Controller with color dial

STICK DE3 provides an elegant solution to controlling your DMX fixtures. The glass, touch-sensitive panel can be used in multiple ways to select a programmed scene, change a color attribute or directly select a color from the color wheel. Scenes are displayed on the graphical color display. The DE3 provides 1024 DMX Channels with up to 500 scenes and 10 separate zones can be created and controlled separately. 120V AC is required for operation. The DE3 is programmed via Nicolaudie's ESA2 or ESA PRO software. Programs are stored on the internal MicroSD card.



CW4-WH - Nicolaudie STICK CW4 White Touch Screen with Internal WiFi CW4 touch controller provides 1024 channels of control. 36 scenes can be created in 1 zone. An internal access point provides remote control via any WiFi device using the Lightpad app from Nicolaudie.

GA2BK(WH) - Nicolaudie STICK-GA2 Black or White Wall Mount Controller

GA2 is an economical controller with glass, touch-sensitive screen for basic control of up to 99 scenes and 1 available zone. It can control 512 DMX Channels. An LED display makes it easy to determine which scene number is playing.



CSC-E - SSL ColourSelect Controller

ColourSelect Controller 2 Universe provides (1024 Channels) of output data capable of controlling 5 zones independently. CSC-E has two 3-pin female XLR connectors to connect to your DMX network and is defaulted in splitter mode, so two separate runs can be connected and controlled. It can store a total of 80 programmable presets. Additionally buttons control speed, dimming, scenes and static colors. The CSC can be powered via a PC USB port or with the PS-CSC external 120V AC power supply included.



SCSC-2WH (or 2BK) - SLIM White ColourSelect Controller Wall mount versions of the CSC-E, includes power supply.