

COLOURLINE WET
 Exterior RGBW fixture



SPECIFICATIONS

color temperature	RGBW / Tuneable white
PHYSICAL	
beam spread	6° 10° 10°x30° 10°x40° 15°x30° 20°x40° 30°x60° 40°x40° 30°x20° 40°x15° 50°x15° 60°x20°
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
fixture connections	daisy chain with male and female twist and lock 5-PIN, IP68 rated connectors

PERFORMANCE

lumen output [all on]	605 lm per foot (15W) / 268 lm per foot (8W) @ 100% all colors
lumen maintenance	> 70,000 hours / L70 or better
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 fixture 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 fixture 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 Tuneable White in one fixture using 6 DMX channels. Channels 1-4 - RGBW : Channels 5-6* - Tuneable White (channel 5 = intensity and channel 6 = CCT) *Tuneable White mode must use the entire fixture as one unit.
warranty	5-Year limited warranty (refer to website for details)

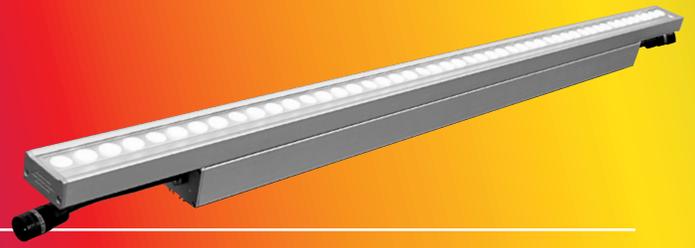
ELECTRICAL

input voltage	Universal 120–277V AC
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 (28W @ 120V / 4ft)



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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 & Tuneable White	8W 8W/ft	10 10°x 10° beam	3060	30°x 60° beam	CLWL-1	1 ft CLWET Louver
		TW	Tuneable 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	5015	50°x 15° beam		
					2040 20°x 40° beam	6020	60°x 20° beam	CLWHS-4	4 ft CLWET Louver w/House Shield

Cable Accessories (order separately)

REQUIRED: Each linear run requires a Starter Cable and Terminator Cap. See page 5 for maximum run length.

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

Mounting Options (order separately)

_____ CA2-6 Cantilever Arm - 6"	<table border="1"> <thead> <tr> <th>Fixture</th> <th>CA2 Requirement</th> </tr> </thead> <tbody> <tr> <td>1-foot</td> <td>1</td> </tr> <tr> <td>4-foot</td> <td>2</td> </tr> </tbody> </table>	Fixture	CA2 Requirement	1-foot	1	4-foot	2	_____ HLS Heavy Duty Landscape Spike
Fixture	CA2 Requirement							
1-foot	1							
4-foot	2							
_____ CA2-12 Cantilever Arm - 12"								
_____ CA2-18 Cantilever Arm - 18"								

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

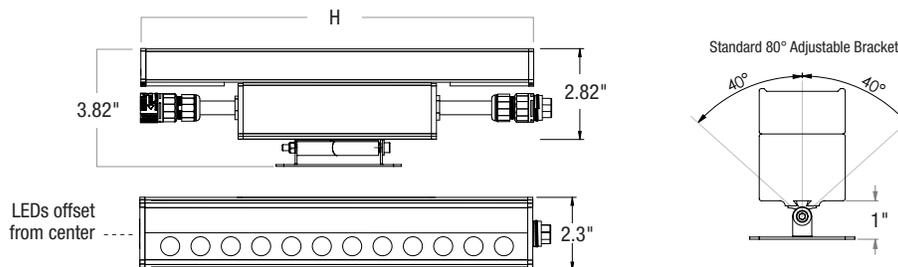
_____ PHAROS TPS-5-B 5" Designer Touch Panel Station	_____ CSC-E ColourSelect Controller (2 universe)
_____ PHAROS XPC1 Expert Controller; 512 channels of eDMX/DMX	_____ DE3BK(WH) Nicolaudie STICK DE-3 Black or White Wall Mount Controller w/color dial
_____ PHAROS XPC2 Expert Controller; 1024 channels 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)
_____ PDX Power Data Wiring Box (exterior rated)	_____ CD-25 25 foot controller data cable (for CSC only)
_____ PDX-S Power Data Wiring Box w/2-port splitter	_____ CD-50 50 foot controller data cable (for CSC only)
_____ PDX-RS4 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.

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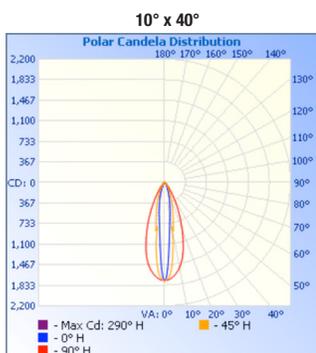
DIMENSIONS WITH STANDARD BRACKET

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



Photometry

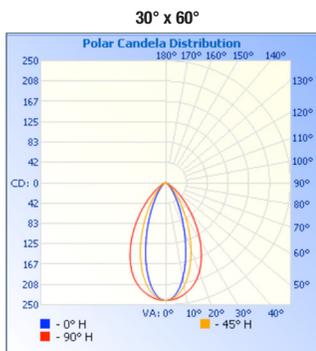
CLWET 1FT RGBW



Illuminance at a Distance

Center Beam fc	Beam Width
605 fc	0.4 ft 0.9 ft
161 fc	0.8 ft 1.8 ft
70.0 fc	1.2 ft 2.8 ft
39.0 fc	1.6 ft 3.7 ft
25.4 fc	2.0 ft 4.6 ft
17.5 fc	2.4 ft 5.6 ft

■ Vert. Speed: 11.2° ■ Horiz. Speed: 40.8°



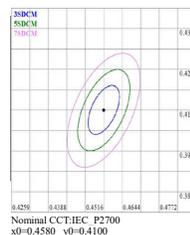
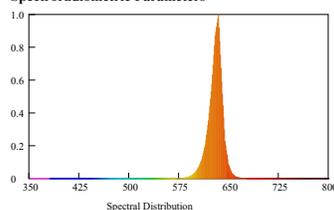
Illuminance at a Distance

Center Beam fc	Beam Width
83.4 fc	1.2 ft 2.2 ft
22.1 fc	2.3 ft 4.2 ft
9.64 fc	3.4 ft 6.4 ft
5.37 fc	4.6 ft 8.6 ft
3.50 fc	5.7 ft 10.7 ft
2.41 fc	6.9 ft 12.8 ft

■ Vert. Speed: 37.8° ■ Horiz. Speed: 65.4°

CLWET-1-RGBW-RED ONLY

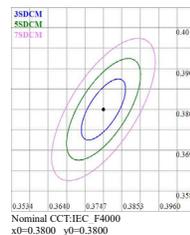
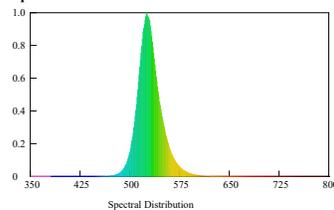
Spectroradiometric Parameters



Dominant Wavelength: 622.0 nm(E)
Luminous Flux: 48.67 lm
Chromaticity Difference: -0.08736Duv
Bandwidth: 20.4nm
Purity: 1.0035
Peak Wavelength: 635.0 nm
Radiant Flux: 0.261 W

CLWET-1-RGBW-GREEN ONLY

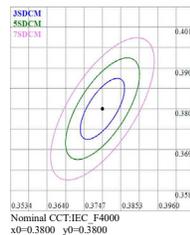
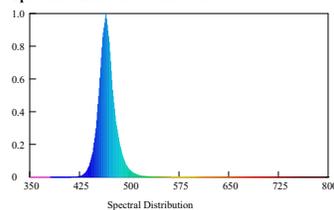
Spectroradiometric Parameters



Dominant Wavelength: 532.0 nm(E)
Luminous Flux: 95.24 lm
Chromaticity Difference: +0.1522Duv
Bandwidth: 30.1nm
Purity: 0.8711
Peak Wavelength: 525.0 nm
Radiant Flux: 0.174 W

CLWET-1-RGBW-BLUE ONLY

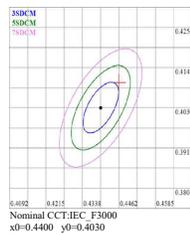
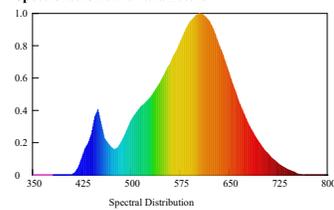
Spectroradiometric Parameters



Dominant Wavelength: 468.0 nm(E)
Luminous Flux: 21.32 lm
Chromaticity Difference: -0.1744Duv
Bandwidth: 25.1nm
Purity: 0.8711
Peak Wavelength: 465.0 nm
Radiant Flux: 0.35 W

CLWET-1-RGBW-WHITE ONLY

Spectroradiometric Parameters



Correlated Color Temperature: 2898 K
Colour Fidelity Index: Rf=83
Luminous Flux: 102.14 lm
Chromaticity Difference: +0.00118Duv
Bandwidth: 130.2nm
Rendering Index: Ra=82.8

Dominant Wavelength: 581.0 nm(E)
Gamut Index: Rg=96
Purity: 0.5737
Peak Wavelength: 605.0 nm
Radiant Flux: 0.299 W

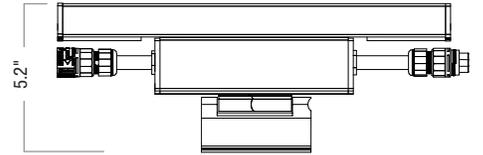
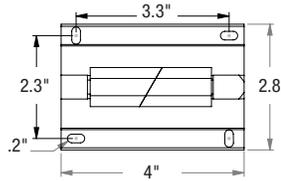
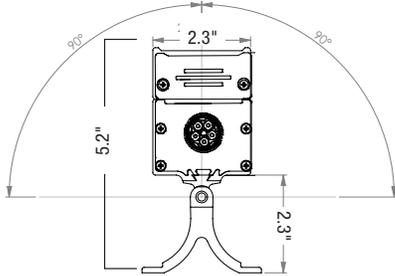
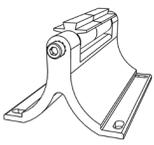
R1=81 R2=90 R3=97 R4=81 R5=81 R6=88 R7=84 R8=60
R9=11 R10=78 R11=80 R12=75 R13=83 R14=99 R15=74 Re=77

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Mounting & Accessory Options

ColourLine Wet

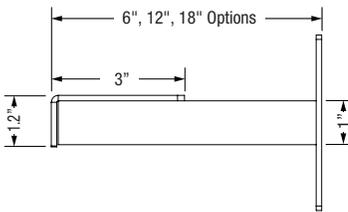
CLWFA - FULL 180° ADJUSTABLE BRACKET



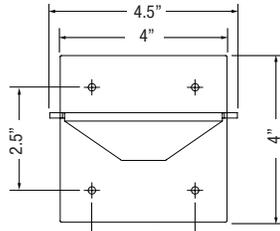
CLWET	CLWFA Requirement
1'	1
4'	2

CANTILEVER ARM - CA2 (Available in 3 Lengths)

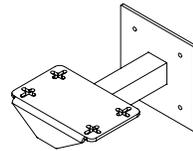
CA2	arm length	Fixture	CA2 Requirement
CA2-6	6"	1-foot	1
CA2-12	12"	4-foot	2
CA2-18	18"		



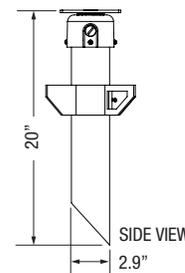
SIDE VIEW



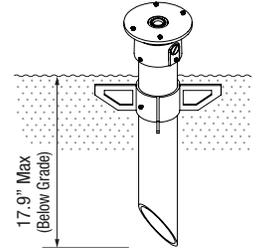
FRONT VIEW



HEAVY DUTY LANDSCAPE SPIKE - HLS



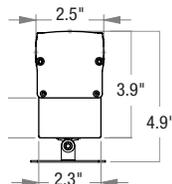
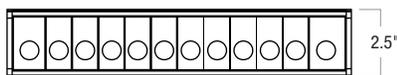
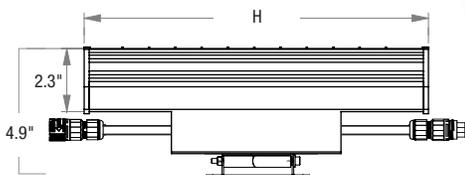
SIDE VIEW



17.9" Max (Below Grade)

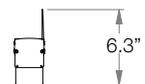
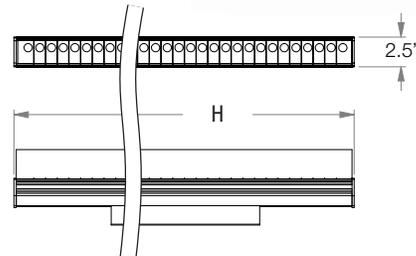
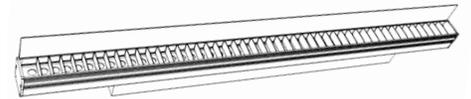
LOUVRE - CLWL

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"	



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 US Commercial Lighting Manufacturer Since 1982

Specification Sheet

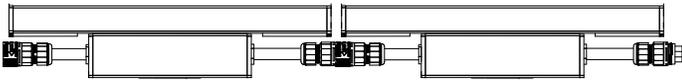
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CONNECTIONS & CABLES

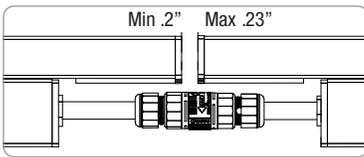
LINEAR LIGHTING RUN

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



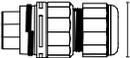
GAP BETWEEN CONNECTED FIXTURES

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)

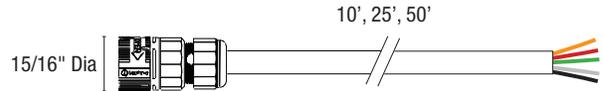
(contains 120 ohm resistor)  15/16" Dia



**HAND TIGHTEN ONLY
DO NOT OVERTIGHTEN**

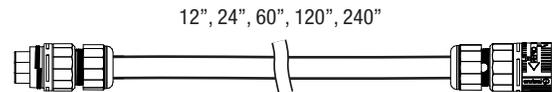
STARTER CORD (SCxxCLW)

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



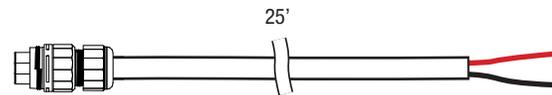
EXTENSION CORD (ECxxCLW)

The Extension Cord comes in multiple lengths with a fixture connection at each end for power & data and adding space between fixtures 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. Fixture connection at one end and lead wires at the other.



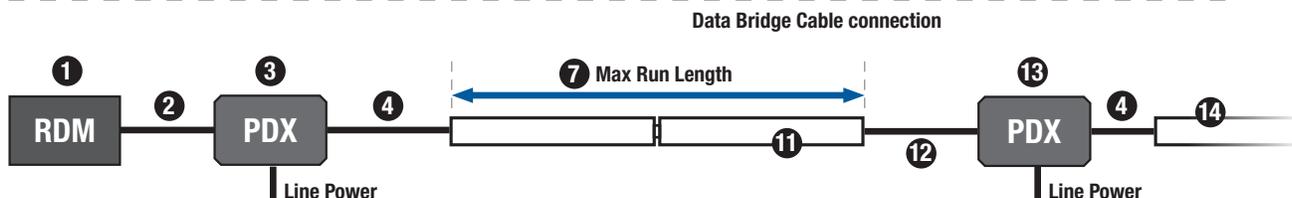
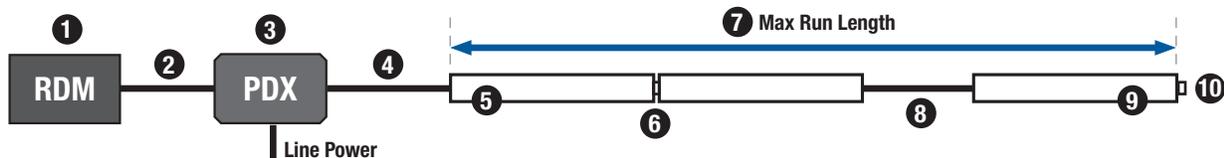
CLWET - SINGLE SEGMENT CONFIGURATION EXAMPLE

Max Run Lengths	120V	240V	277V
15W fixture	85'	169'	196'
8W fixture	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 fixture begins Linear Run
- 6) Fixtures connect end to end
- 7) Distance from 1st to last fixture in linear run
- 8) Extension Cord **ECxxCLW**
(Can add up to 50' more Extension Cord to Max Run Length)
- 9) Last fixture in the linear run
- 10) Terminator Cap **TCAPDCLW** (required at end of run)
- 11) Last fixture 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 fixture run



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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 fixture** (R,G,B,W)



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



Personality 3 4 foot & 1 foot fixtures **configured 6 Channels per fixture** 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)



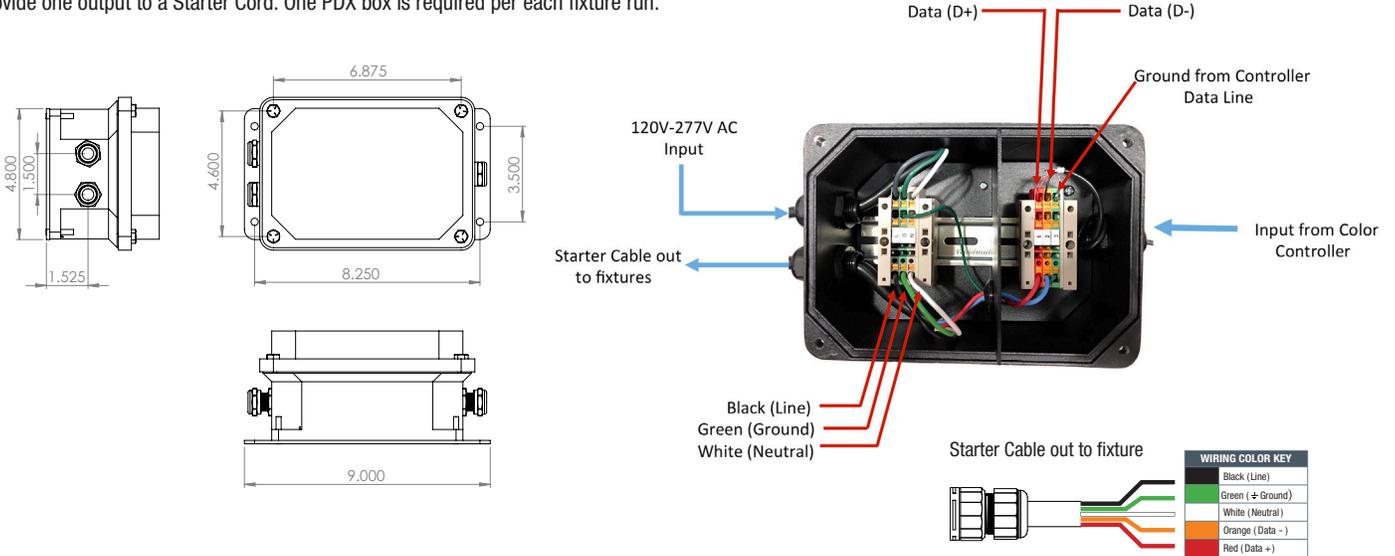
Personality 5 4 foot fixture (only) **configured in 1 foot increments** (4 Channels/1ft - R,G,B,W)



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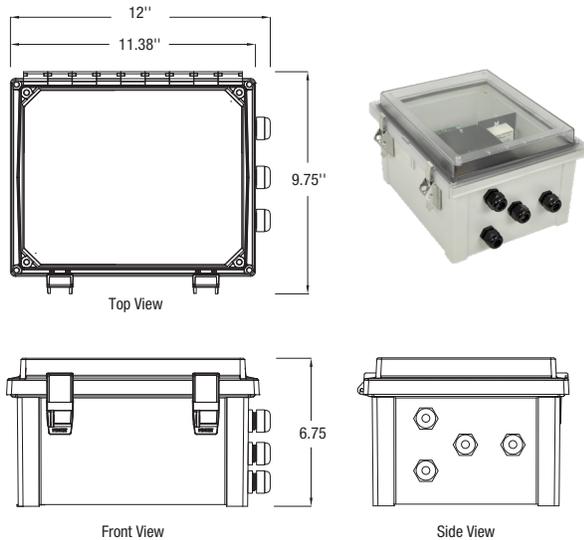
PDX - POWER DATA WIRING BOX (ONE PDX REQUIRED PER RUN)

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



PDX-S - POWER DATA WIRING BOX - WITH 2-PORT SPLITTER

The PDX-S 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. It consolidates multiple input sources into two outputs to the CLWET fixtures. Data input from the RDM Color controller and AC input combine to provide output to two Starter Cords.



Connector Identification

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



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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.

Due to continuous development and improvements, specifications are subject to change without notice. Solid State Luminaires reserves the right to change lab test details or specifications without notice. Product use certifies agreement to Solid State Luminaires terms and conditions.