

Date:		Approved:
Type:		
Luminaire:		
Project:		

FCA5500-RGBW



FCA5500-RGBW Exterior die-cast aluminum, 8-inch nominal diameter bollard post with a 360° window and impact resistant, UV stabilized, opal diffuser lens, and offered in 2 different pole heights and 1-4 foot lens heights. RGBW and Tunable White means color control over 4.6 billion colors. IP65 rated for wet location use. Utilizes DMX 512, RDM standard based control systems.



SPECIFICATIONS

PHYSICAL

lengths/dimensions	luminaire diameter: 7-3/8", various heights: 108", 127"H (1ft lens), 120", 139"H (2ft lens), 132", 151"H (3ft lens), 144", 163"H (4ft lens)
weight	head: 20 lbs (1 ft), 22 lbs (2 ft), 24 lbs (3 ft), 46 lbs (4 ft), pole: 45 lbs (96"), 67 lbs (115")
housing	Marine grade, corrosion resistant, heavy walled, high pressure die-cast aluminum
lens	Impact resistant, UV stabilized, opal diffuser
mounting	Heavy wall gravity molded base provides a robust mounting solution with idea flush mounted appearance at the base plate, anchor bolts included
ingress protection	ETL, U.S. and CA listed for wet location. IP65 Rating.
finish	Available in Black, Bronze, Graphite Grey, Silver, White and Custom Colors. Six stage chemical iron phosphate conversion pre-treatment. Polyester powder coat finish, 18 µm minimum, 5,000 hour salt spray test (ASTM B117) compliant with Florida / AAMA 2604 specification.

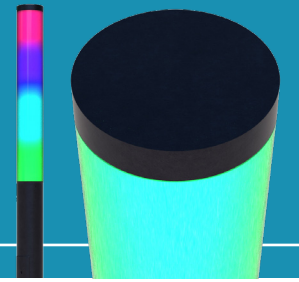
PERFORMANCE

lumen output	1,000 lm per foot @ 100% all on nominal
lumen maintenance	L70 > 70,000 hours
temperature	Operating: -13°F to 104°F (-25°C to 40°C), Start Up: -13°F to 104°F (-25°C to 40°C), Storage: -40°F to 176°F (-40°C to 80°C)
ColourQuick	Provides uniform beam saturation 3" from luminaire surface (1.5" on center from vertical 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.
ColourMode	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, 50/60Hz
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	UL1598/CSA C22.2 No. 250.0, UI 8750/CSA C22.2 No. 250.13/IES LM-79/LM-80, UL-Class II
power consumption	18W (108", 127"H), 36W (120", 139"H), 54W (132", 151"H), 72W (144", 163"H)

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



Ordering Information

ORDERING INFORMATION

FCA5500-RGBW	UNV	-							DMX	
SERIES	VOLTAGE	POLE HEIGHT	HEAD HEIGHT	COLOR	FINISH	OPTIONS				
FCA5500-RGBW	UNV 120 - 277 VAC	084 84" Min 114 114" Max XXX Custom Length*	1HL 12" Lens (18W) 2HL 24" Lens (36W) 3HL 36" Lens (54W) 4HL 48" Lens (72W)	RGBW RGBW RGBW-TW RGBW & Tunable White TW Tunable White	BKE Black BRE Bronze GRE Graphite Grey SLE Silver WHE White CCE Custom Color	DMX DMX Dimming (required) LAB' Less Anchor Bolt Kit - for shipment separate of Anchor Bolt Kit				

*Note in inches. Range must be from 84-114 inches.
Note: To obtain luminaire overall height, add Pole Height, Head Height, and 1.5" together.

ANCHOR BOLT KITS

- [A05502](#) Anchor Bolt Kit - Complete Anchor Bolt Kit shipped in advance of luminaire.
- ¹ **Note:** Luminaire must be mounted into FC Lighting supplied Anchor Bolt Kit shipped with or separate of luminaire.

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.

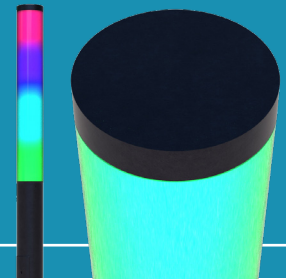
Cable Accessories (order separately)

REQUIRED: Each run requires a Field Installed Data Terminator on the **LAST** luminaire of each run.

- [TCAPFIELD](#) Field Installed Data Terminator (w/ 120 ohm Resistor)

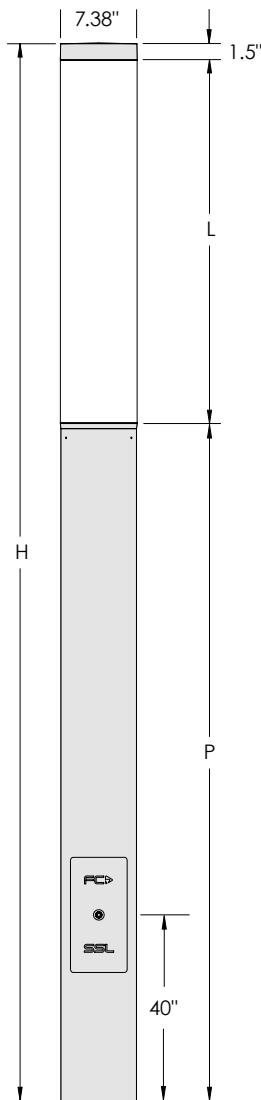
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Physical



PRODUCT DIMENSIONS - STANDARD PRODUCT

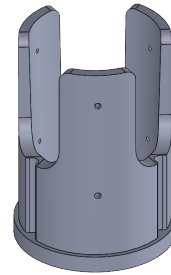
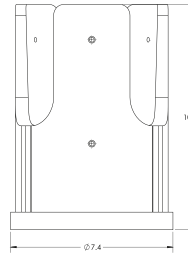
Pole Size (P)	Lens Size (L)
84" Pole	12" lens
114" Pole	24" lens
XXX" Pole	36" lens
	48" lens



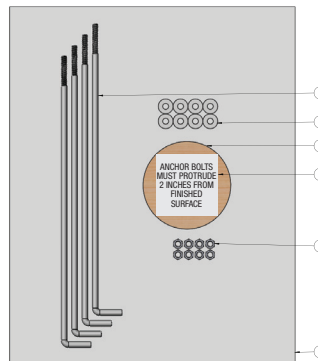
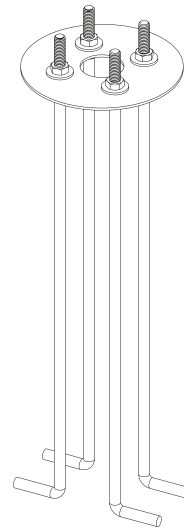
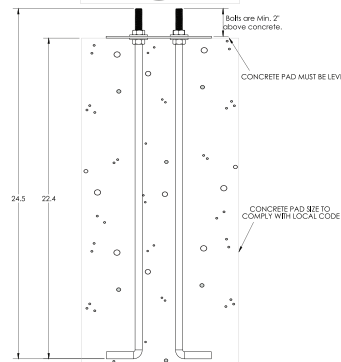
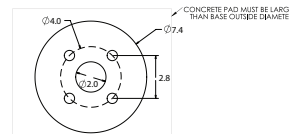
MOUNTING - j-box sold by others

mounting plate diameter	Ø 7.38"
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• Anchor Bolt Template Assembly: A05502



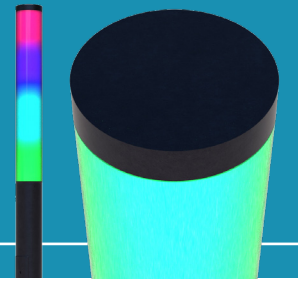
mounting hole pattern



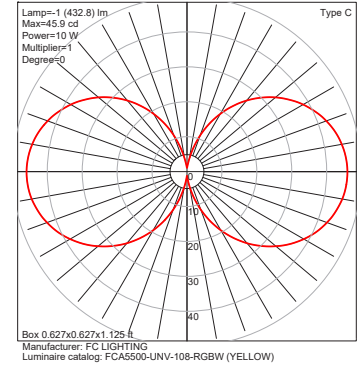
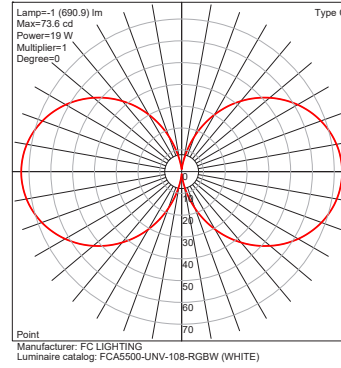
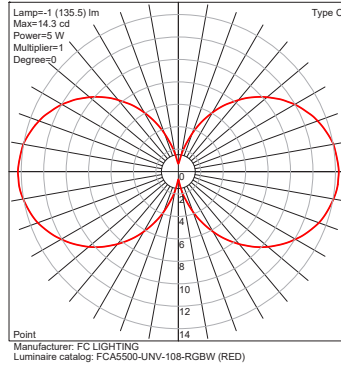
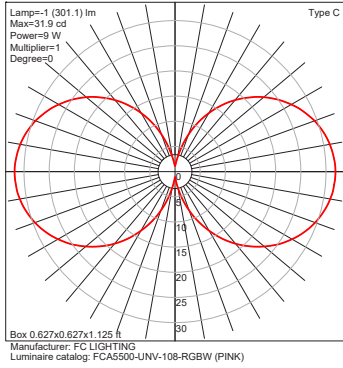
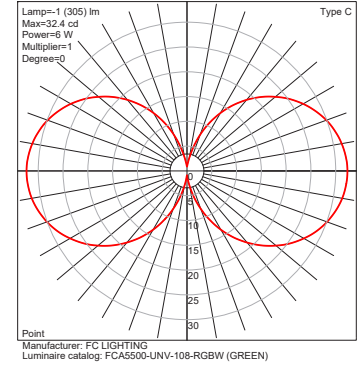
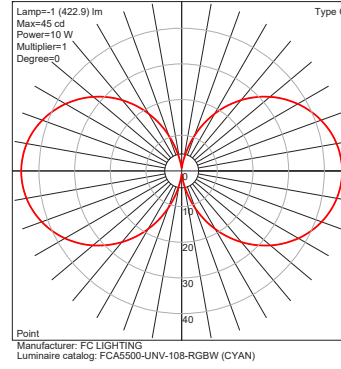
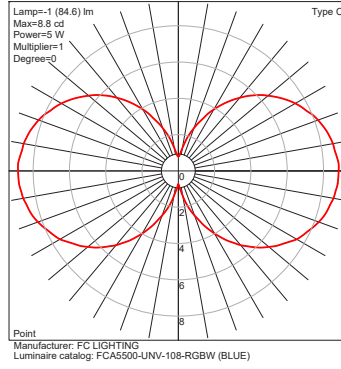
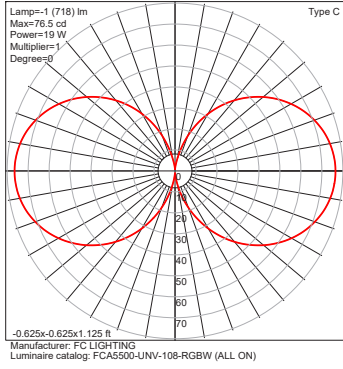
#	ANCHOR BOLT TEMPLATE ASSEMBLY (A05502) (Includes below items)	QTY.
1	1/2" x 24" x 2" L hook Anchor Bolt (91120)	4
2	1/2" FLAT WASHER H-D GALV STEEL	8
3	ANCHOR BOLT WOOD TEMPLATE	1
4	ANCHOR BOLT LABEL	1
5	1/2"-13 HEX NUT H-D GALV STEEL	8
6	PLASTIC BAG, SEALED	1

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Photometry

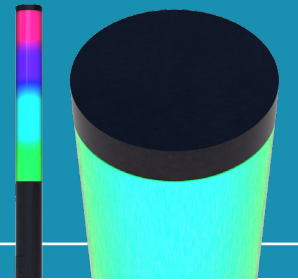


OPTICAL DISTRIBUTION FOR 108" H LUMINAIRE

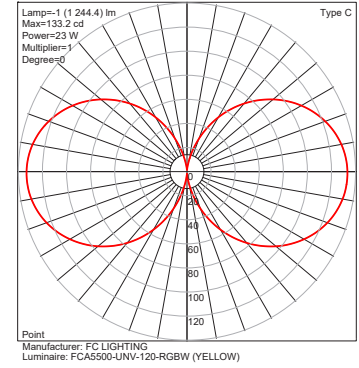
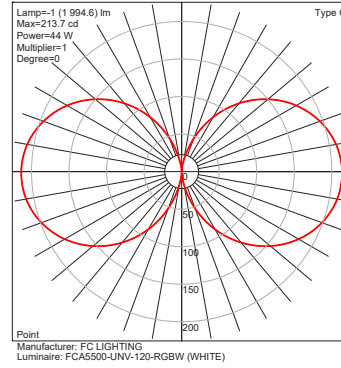
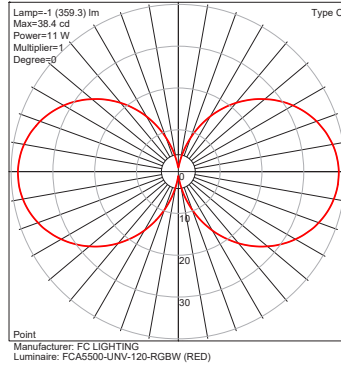
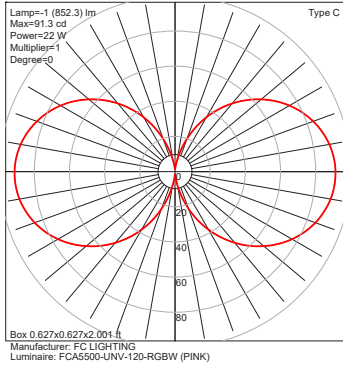
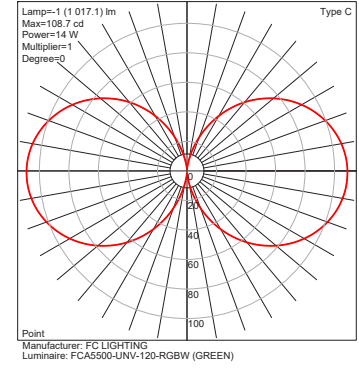
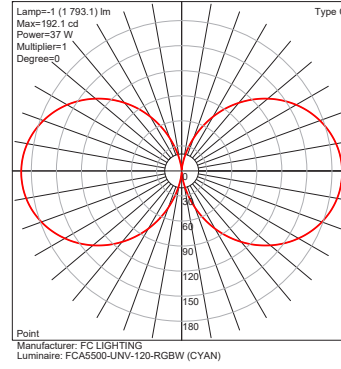
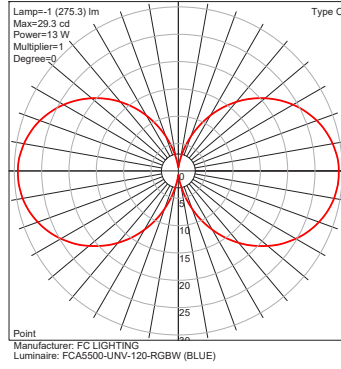
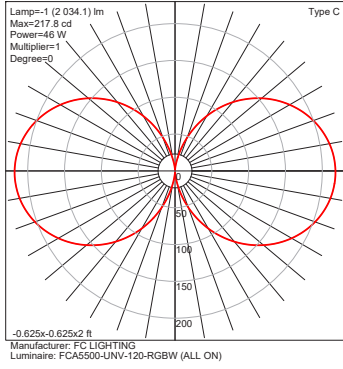


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Photometry



OPTICAL DISTRIBUTION FOR 132" H LUMINAIRE



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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 fixtures 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 fixture provides 1-Step consistency
- Every fixture 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 fixture to the exact same X,Y color coordinates to provide Step-1 like consistency. This process enables every fixture 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.



ColourMode

RGBW AND TUNABLE WHITE IN ONE

- SSL Designed Firmware uses 6 DMX Channels
- RGBW and Tunable White (2-Step, >90CRI) in One Fixture
- 5 Distinct Fixture Personalities for - Maximum Flexibility

SSL uses Digital Dual Mode (DDM) technology to provide RGBW and Tunable White in one fixture! SSL firmware is designed to use 6 DMX channels in the DDM Personality Mode. Maximum Mood Enhancement is available to use for any type of environment. Channels 1-4 are reserved for RGBW. Channels 5-6 are used for White color tuning. Channel 5 controls intensity, channel 6 controls White color.

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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