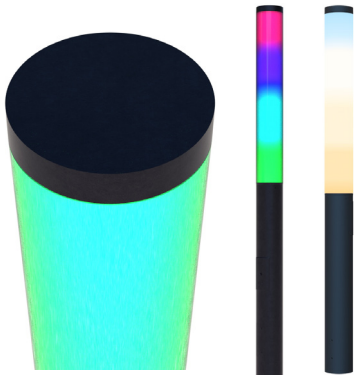
FC OUTDOOR LIGHTING

Date:	**Approved:**
Type:	
Fixture:	
Project:	

FCA5500 RGBW



FCA5500 RGBW Exterior die-cast aluminum, 8" 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	**fixture 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 Min., 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 fixture surface (1.5" on center from vertical surface)
ColourClone	Manufacturing process uses robotic systems to provide 1 SDCM consistency between luminaires by calibrating every fixture 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 fixture 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 fixture 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.
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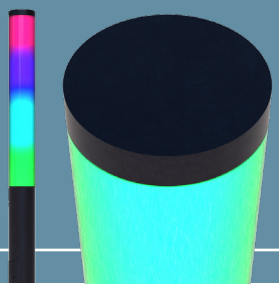
US Commercial Lighting Manufacturer Since 1982

Specification Sheet

Ordering Information



ORDERING INFORMATION

FCA5500-RGBW	UNV				DMX
SERIES	VOLTAGE	HEIGHT	COLOR	FINISH	OPTIONS
FCA5500-RGBW	UNV 120 - 277 VAC	108 108" Total Height (1' Lens) 18W	RGBW RGBW	BKE Black	DMX DMX Dimming (required)
		127 127" Total Height (1' Lens) 18W	RGBW-TW RGBW & Tunable White	BRE Bronze	LAB[1] Less Anchor Bolt Kit - for shipment separate of Anchor Bolt Kit
		120 120" Total Height (2' Lens) 36W	TW Tunable White	GRE Graphite Grey	
		139 139" Total Height (2' Lens) 36W		SLE Silver	
		132 132" Total Height (3' Lens) 54W		WHE White	
		151 151" Total Height (3' Lens) 54W		CCE Custom Color	
		144 144" Total Height (4' Lens) 72W			
		163 163" Total Height (4' Lens) 72W			

ANCHOR BOLT KITS

_____ **A05502** Anchor Bolt Kit - Complete Anchor Bolt Kit shipped in advance of fixture.

[1] **Note**: *Fixture must be mounted into FC Lighting supplied Anchor Bolt Kit shipped with or separate of fixture.*

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)
_____ **PDX** Power Data Wiring Box *(exterior rated)*
_____ **PDX-S** Power Data Wiring Box w/2-port splitter
_____ **PDX-RS4** Power Data Wiring Box w/4-port splitter
_____ **CL-RS4** 4 Port RDM splitter w/120V power supply
_____ **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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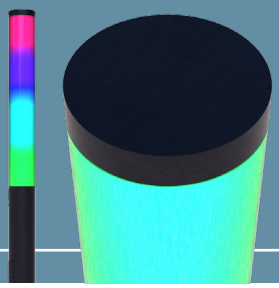
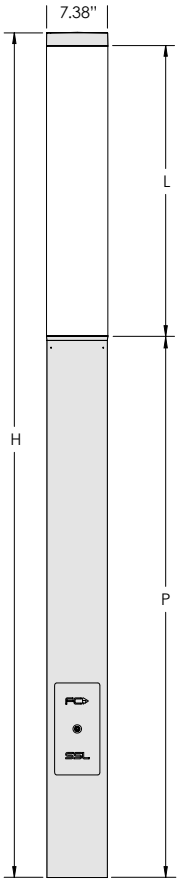


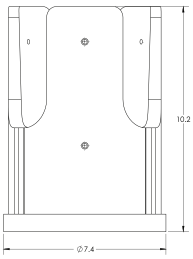
Physical

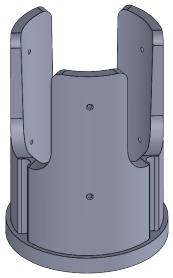
PRODUCT DIMENSIONS - STANDARD PRODUCT		
overall height	Pole Size (P)	Lens Size (L)
108" (or) 127"H	96" (or) 115"H	1-foot lens
120" (or) 139"H	96" (or) 115"H	2-foot lens
132" (or) 151"H	96" (or) 115"H	3-foot lens
144" (or) 163"H	96" (or) 115"H	4-foot lens
diameter	7.38" Dia	



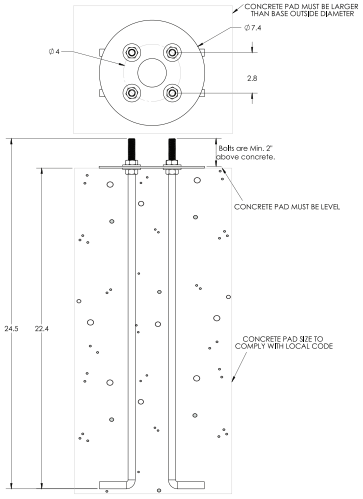
MOUNTING - *j-box sold by others*	
mouting plate diameter	Ø7.38"

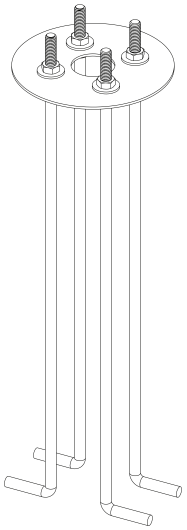
- Anchor Bolt Template Assembly: A05502

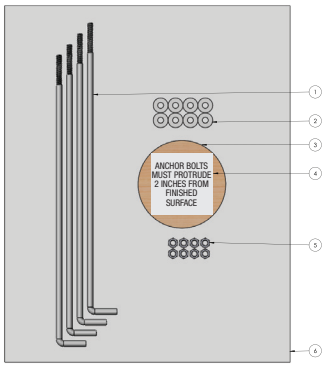




mounting hole pattern







#	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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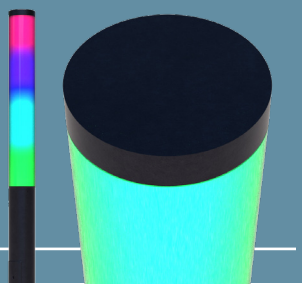
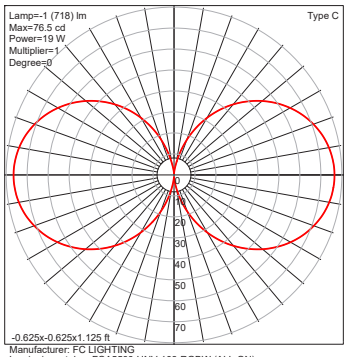
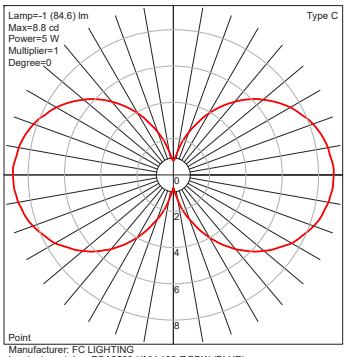


Photometry

OPTICAL DISTRIBUTION FOR 108"H FIXTURE



Manufacturer: FC LIGHTING
Luminaire catalog: FCA5500-UNV-108-RGBW (ALL ON)



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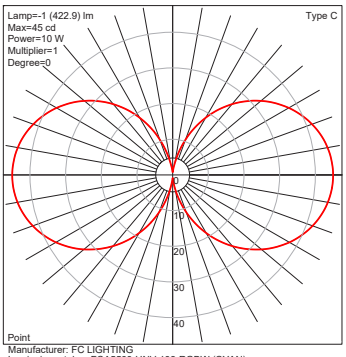
Luminaire catalog: FCA5500-UNV-108-RGBW (BLUE)



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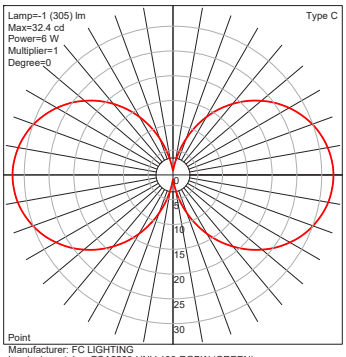
Luminaire catalog: FCA5500-UNV-108-RGBW (CYAN)



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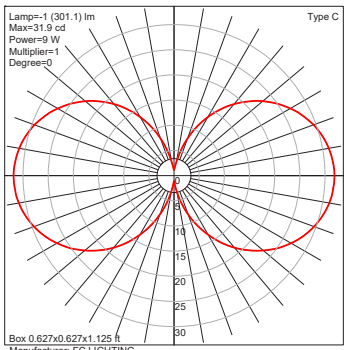
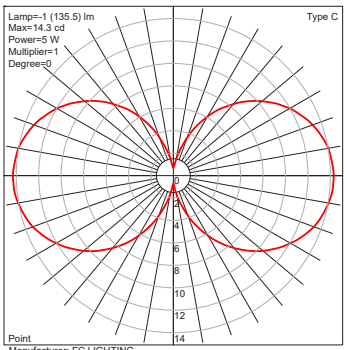
Luminaire catalog: FCA5500-UNV-108-RGBW (GREEN)



Manufacturer: FC LIGHTING
Luminaire catalog: FCA5500-UNV-108-RGBW (PINK)



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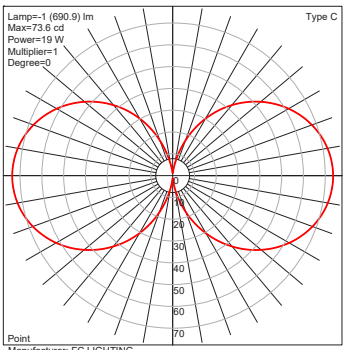

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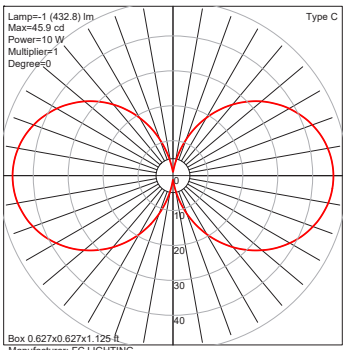

Manufacturer: FC LIGHTING
Luminaire catalog: FCA5500-UNV-108-RGBW (YELLOW)

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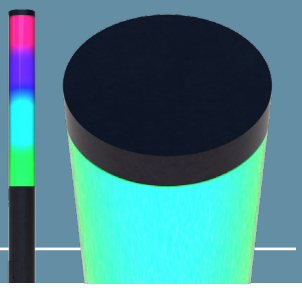
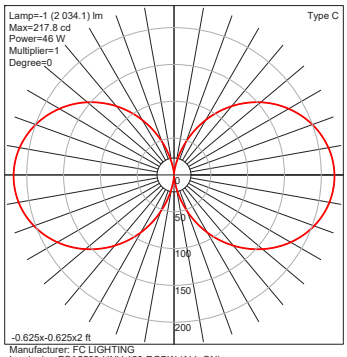


Photometry

OPTICAL DISTRIBUTION FOR 132"H FIXTURE



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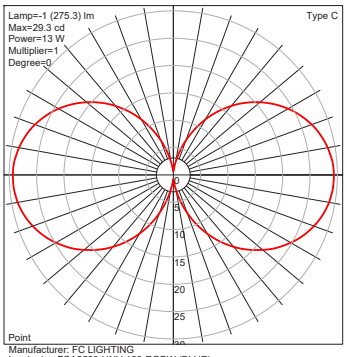

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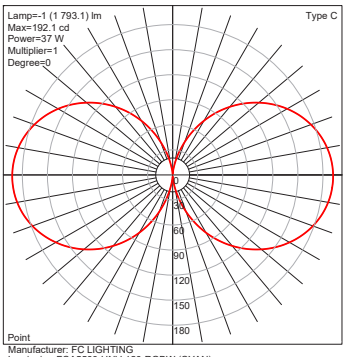

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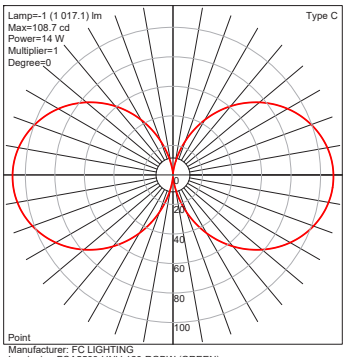

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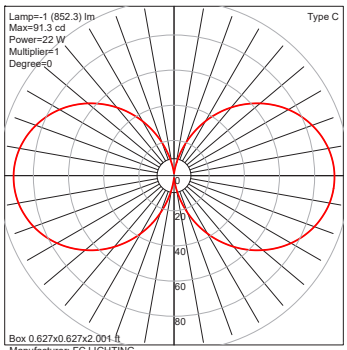
Luminaire: FCA5500-UNV-120-RGBW (GREEN)



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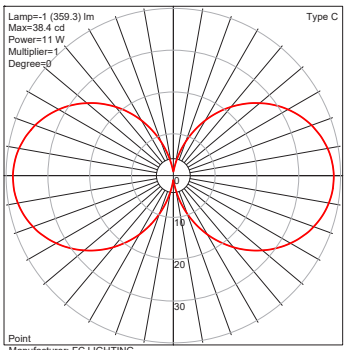
Luminaire: FCA5500-UNV-120-RGBW (PINK)



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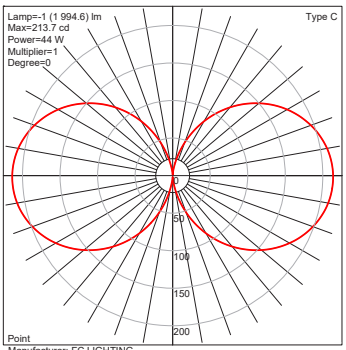
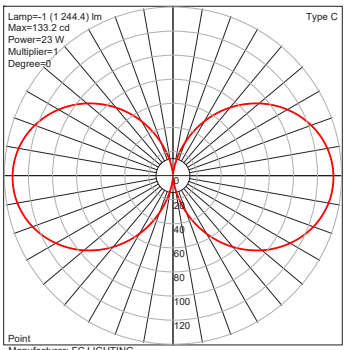
Luminaire: FCA5500-UNV-120-RGBW (RED)



Manufacturer: FC LIGHTING
Luminaire: FCA5500-UNV-120-RGBW (WHITE)



Manufacturer: FC LIGHTING
Luminaire: FCA5500-UNV-120-RGBW (YELLOW)

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Color Controls

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 monted. 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.

PHAROS EXPERT - A Single, Reliable Set-and-Forget Controller

Pharos offers effortless control of decorative and functional lighting whilst bringing artistic and dynamic control to your design. Accentuate beautiful architecture, create welcoming ambient spaces, and dazzle with stunning colour and movement. With the reliability and quality you expect from Pharos and our expertise in dynamic lighting in architecture and entertainment: an easy to install, easy to use control solution.

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.

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