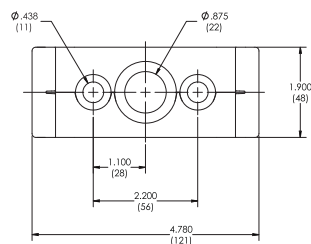
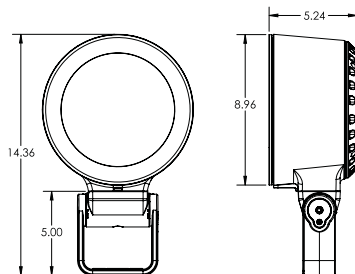




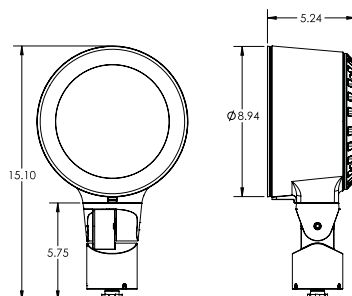
Specifications

Weight:	15lbs
EPA:	KM: .73 YM: .71

DIMENSIONS



YOKE



KNUCKLE

SAF7A RGBW SPECIALTY ARCHITECTURAL FLOOD AURORA MVOLT LED

HIGHLIGHTS

- The Aurora is a patent-pending lighting technique that blends wash and graze from two beams within a single luminaire, creating a refined, layered gradient effect.
- Available in 3 distribution options: Narrow, Medium, and Wide. Ideal for wall washing or column washing applications with excellent uniformity
- Suitable for a variety of mounting applications including ground, wall, pole, stanchion
- 3G vibration rating per ANSI C136.31
- DMX/RDM
- Taper-Lock technology provides full aiming integrity utilizing both a rugged knuckle and yoke design
- Minimalist design that provides clean and intentional lines and transitions
- Slightly convex watershed lens that evades water build up and staining
- Industry leading flow-thru design achieved with separately sealed optical chamber and driver
- Quad chip technology, enabling optimal color mixing under each individual optic. Avoid striations and color separation when wall grazing/washing
- Power Scaling driver technology allows each channel to reach its highest possible wattage and output, maximizing performance



IP68



PERFORMANCE SUMMARY

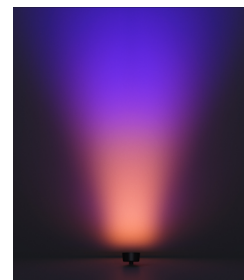
	Narrow (NA)			Medium (MA)			Wide (WA)		
	Delivered Lumens	Watts	LPW	Delivered Lumens	Watts	LPW	Delivered Lumens	Watts	LPW
RED	586	23	25	532	23	23	513	23	22
GREEN	1,190	26	46	1,080	26	42	1,041	26	40
BLUE	199	30	7	181	30	6	174	30	6
White (40K)	1,184	30	39	1,075	30	36	1,036	30	35
All On (RGBW4)	1,464	34	43	1,330	34	39	1,281	34	38

* Based on fixture with both channels on (near and far beams)

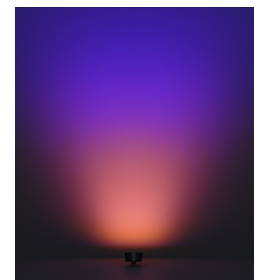
STANDARD DISTRIBUTION



Narrow



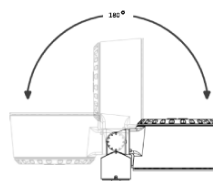
Medium



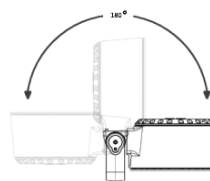
Wide

AIMING DETAIL

SAF 7 KNUCKLE



SAF 7 YOKE



ORDERING INFORMATION

EXAMPLE: SAF7A LED P1 RGBW4 MVOLT MA CWL KM CJB DMX BL

SAF7A													
Series*		Source*	Performance Packages*	LED Dynamic Range*		Voltage*	Distribution*		Lens*		Mounting*		
SAF7A Specialty Architectural Flood Aurora		LED	P1	RGBW4	40K white (80CRI)	MVOLT	NA	Narrow Aurora	CWL	Clear Watershed Lens	KM	Knuckle	
							MA	Medium Aurora			YM	Yoke	
							WA	Wide Aurora					
									Note: CWL lens IK07. For IK10 use external WRG option				
Mounting Accessories				Options Accessory		Options		Control Input*		External		Finish*	
ADPMR	Architectural Decorative Pole Mount Round			Hardware		CSL_	10' – 50' of cord available in 5' increments	DMX	GS	Glare shield	BL	Black Textured	
ADPMS	Architectural Decorative Pole Mount Square			TPH Tamper proof hardware							BRS	Bronze Smooth	
AMPC_/_	Architectural Mid Pole Clamp available to fit on a 4" or 6" pole with 1 or 2 fixtures			LASC Safety Cable							BRT	Bronze Textured	
APAR	Round 18" Pole Mount										CF	Custom Finish	
APAS	Square 18" Pole Mount										DBL	Black Smooth	
AWSC	Architectutal Wall Splice Cover										DDB	Designer Bronze	
CAJB	Cylindrical Architectural Junction box										DNA	Natural Aluminum	
CJB	Cylindrical Junction Box										NBS	Natural Bronze Smooth	
CPM	Cylindrical Pedestal Mount										VET	Verde Textured	
CPMSA	Cylindrical Pole Mount Splice Access										WH	White Textured	
CSM_	Cylindrical Stancion Mount 12"-48" available in 6" increments										WHS	White Smooth	
CWMA_E	Cylindrical Wall Mount Arm. End 12"-48" (available in 6" increments)										_Z	Zinc Undercoat (i.e.BLZ)	
CWMA_T	Cylindrical Wall Mount Arm Top 12"-48" (available in 6" increments)												

*Required Fields

CSA LISTING TEMPERATURE: -20°C through 40°C

ELECTRICAL LOAD

Light Engines	System Watts	Current (A)			
		120	208	240	277
RGBW P1	34	0.28	0.16	0.14	0.12

LUMEN AMBIENT TEMPERATURE (LAT) MULTIPLIERS

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F)

Ambient		RGBW Lumen Multiplier
0°C	32°F	1.04
10°C	50°F	1.03
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.97

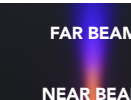
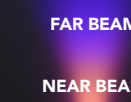
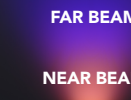
Optical Scaling Charts*

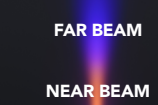
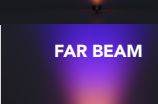
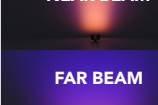
GS	0.96
WRG	0.81

Note: This table can be used to approximate the lumen values with different accessories. Please see IES files for exact lumen outputs.

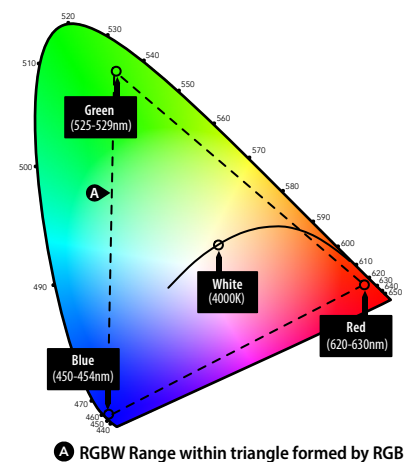
LUMEN OUTPUT – SAF7A RGBW

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual performance may differ as a result of end-user environment and application. Contact factory for performance data on any configurations not shown here.

	Distribution Type	Channel Setting	RED ONLY				GREEN ONLY				BLUE ONLY			
			System Watts	Lumens	LPW	MAX CD	System Watts	Lumens	LPW	MAX CD	System Watts	Lumens	LPW	MAX CD
 FAR BEAM  NEAR BEAM	NA	Near Beam Only	11	207	19	1,031	12	381	32	1,899	14	59	4	295
		Far Beam Only	13	426	33	9,313	16	809	51	17,684	17	141	8	3,080
		Near and Far Beams	23	586	25	9,118	26	1,190	46	18,503	30	199	7	3,101
 FAR BEAM  NEAR BEAM	MA	Near Beam Only	11	188	17	322	12	346	29	593	14	54	4	92
		Far Beam Only	13	387	30	2,263	16	735	46	4,296	17	128	8	748
		Near and Far Beams	23	532	23	2,293	26	1,080	42	4,653	30	181	6	780
 FAR BEAM  NEAR BEAM	WA	Near Beam Only	11	181	16	239	12	333	28	439	14	52	4	68
		Far Beam Only	13	373	29	1,601	16	708	44	3,040	17	123	7	529
		Near and Far Beams	23	513	22	1,613	26	1,041	40	3,274	30	174	6	549

	Distribution Type	Channel Setting	WHITE ONLY (40K)				ALL ON RGBW4 (Red, Green, Blue, White 40K)			
			System Watts	Lumens	LPW	MAX CD	System Watts	Lumens	LPW	MAX CD
 FAR BEAM NEAR BEAM	NA	Near Beam Only	14	392	28	1,956	17	512	30	2,556
		Far Beam Only	17	808	48	17,669	17	952	56	20,803
		Near and Far Beams	30	1,184	39	18,415	34	1,464	43	22,772
 FAR BEAM NEAR BEAM	MA	Near Beam Only	14	356	25	611	17	465	27	798
		Far Beam Only	17	734	52	4,293	17	864	51	5,054
		Near and Far Beams	30	1,075	36	4,631	34	1,330	39	5726
 FAR BEAM NEAR BEAM	WA	Near Beam Only	14	343	25	452	17	448	26	591.3
		Far Beam Only	17	707	42	3,037	17	832	49	3575.6
		Near and Far Beams	30	1,036	35	3,258	34	1,281	38	4028.8

RGBW GAMUT AND RANGE



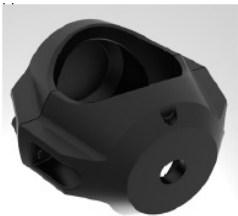
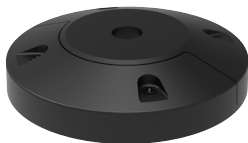
- The Gamut of a luminaire determines the potential color range, specifically the dominant wavelength of each primary color.
- The Path determines the range of colors the user can select for the luminaire.

ARCHITAINMENT COLOR GPHD

- **Gamut** Triangular
- **Path** Full RGB gamut
- **Handle** Four Handles: Red, Green, Blue, White
- **Data** DMX512/RDM

The RGBW Range reaches the full range of saturated colors and subtle pastels to create bold transformational effects.

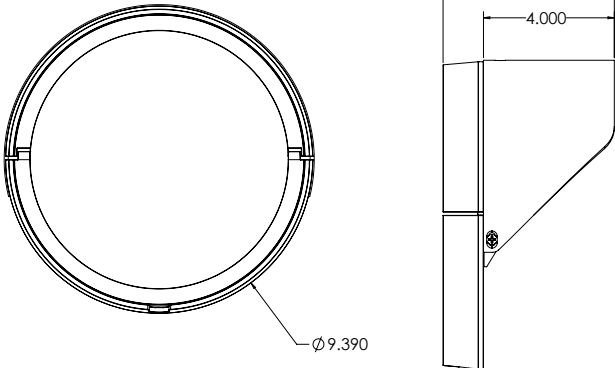
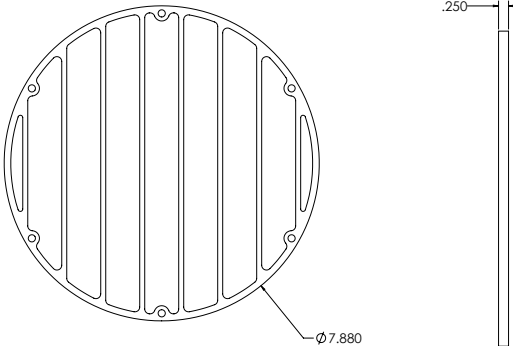
SAF MOUNTING ACCESSORIES

		Part #
	ADPMR/ADPMS Architectural Decorative Pole Mount Round or Square - Architectural opulent design for seamless pole integration and fixture aiming - Intended for 4" round and tapered poles or minimum 4" square poles - Mounting location on the top of each arm accepts one lighting fixture	Examples: ADPMR 78C BL See spec sheet for more options
	- AMPC Architectural Mid Pole Clamp - Clamp pole mount design for quick install and fixture aiming - Intended for 4" or 6" round straight pole - Mount one or two fixtures - Mounting location mid pole	Example: AMPC4/1 78C BL See spec sheet for more options
	APAR/APAS Architectural Pole Arm Round or Square - Intended for 4" round and tapered poles or minimum 4" square poles - Mounting location on the top of each arm accepts one lighting fixture	Example: APAS XLSC BRS See spec sheet for more options
	AWSC Architectural Wall Splice Cover - Designed to be mounted over a recessed wall box or can be surface mounted for direct conduit entrance - Supplied with an integral splice access compartment for easy fixture connections	Example: AWSC 78C DNA See spec sheet for more options
	CAJB Cylindrical Architectural Junction Box - Designed for architectural and landscape applications - Recommended for mounting on a rigid metallic conduit	Example: CAJB 34B XLSC DBL See spec sheet for more options
	CJB Cylindrical Junction Box - Drilled and tapped to 3/4" NPT specifications - For larger hole sizes, consult factory - Recommended to seal conduit to maintain dry components	Example: CJB 34S XLSC VET See spec sheet for more options

SAF MOUNTING ACCESSORIES

		Part #
	CPM Cylindrical Pedestal Mount • Suitable for architectural and landscape applications • Provided with front access cover for easy wiring and installation.	Example: CPM 78C BL See spec sheet for more options
	CPMSA Cylindrical Pole Mount Splice Access • Designed to mount onto a 2-3/8" tenon • Provided with splice compartment	Example: CPMSA 78C DBL See spec sheet for more options
	CSM Cylindrical Stanchion Mount • Available in heights from 12" to 48" in 6" increments • Provided with front access cover for easy wiring and installation.	Example: CSM12 XLSC BRT See spec sheet for more options
	CWMA E/CWMA T Cylindrical Wall Mount Arm End or Top • Available in lengths from 12" to 48" in 6" increments • Supplied with splice cover for easy wiring and installation • End mounting only available with SAF7	Example: CWMA30E 78C BL CWMA12T XLSC BRS See spec sheet for more options

EXTERNAL ACCESSORIES

			Part #
	GS- Glare Shield 		Example: GSSAF7A BL
	WRG-Wire Rock Guard 		WRG is installed and shipped with fixture

ACCESSORY OPTIONS

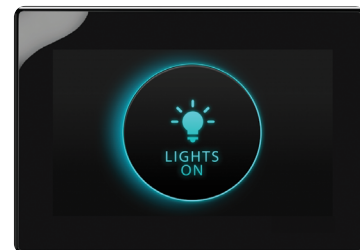
TAKE CONTROL

Hydrel lighting solutions bring ease of use, innovation, and next-generation control features to commercial, underwater, and architectural outdoor applications. We offer a dedicated team of specification engineers to take you through lighting design, the specification process, to the installation of our fixtures. We simplify the complex and help you create the right layer of light for any outdoor lighting environment. Find the right architectural outdoor fixture, controls, and network connectivity with Hydrel Lighting Solutions.

FRESCO CONTROL SYSTEM

Series	Model	Options	Finish
FCS Fresco Control System	7TSN 7" touchscreen with nLight port	X DMX/RDM control	DBL Black DWH White DNA Natural Aluminum

Refer to [FRESCO](#) spec sheet for additional details and options.



EASYL - LED SHOW CONTROLLER WITH LCD TOUCHSCREEN

Series	Voltage	Finish
EZSOLO Easy Solo	MVOLT 120V-277V VAC, 50/60Hz	BK Black
EZTOUCH Easy Touch		Wh White
EZPRO Easy Pro		

Refer to [EASYL](#) spec sheet for additional details and options.



PATHWAY Connectivity Solutions- DMX networking and advanced control

DMX512 networks create dynamic lighting. Dynamic lighting often brings a lot of color and movement to spaces. The DMX512 lighting protocol was created to serve the needs of performance lighting, such as in theaters or music venues. A DMX network is designed to support large amounts of data continually moving between controllers and luminaires, and at very high speeds. Many non-performance lighting applications also rely on DMX networks, to support RGB LED luminaires featured in applications such as building façades, hotel lobbies and corporate reception areas.

A DMX network always includes a controller and luminaires that are compatible with the DMX protocol. As well, DMX lighting systems must include network devices that route the DMX data to different locations between the controllers and luminaires.

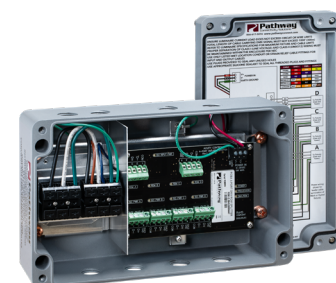
[Pathway Connectivity](#) provides these network devices, creating robust and secure network backbones. Pathway devices create bridges between Ethernet and DMX, and DMX and other kinds of lighting control protocols, such as RDM, nLight® or 0-10v.



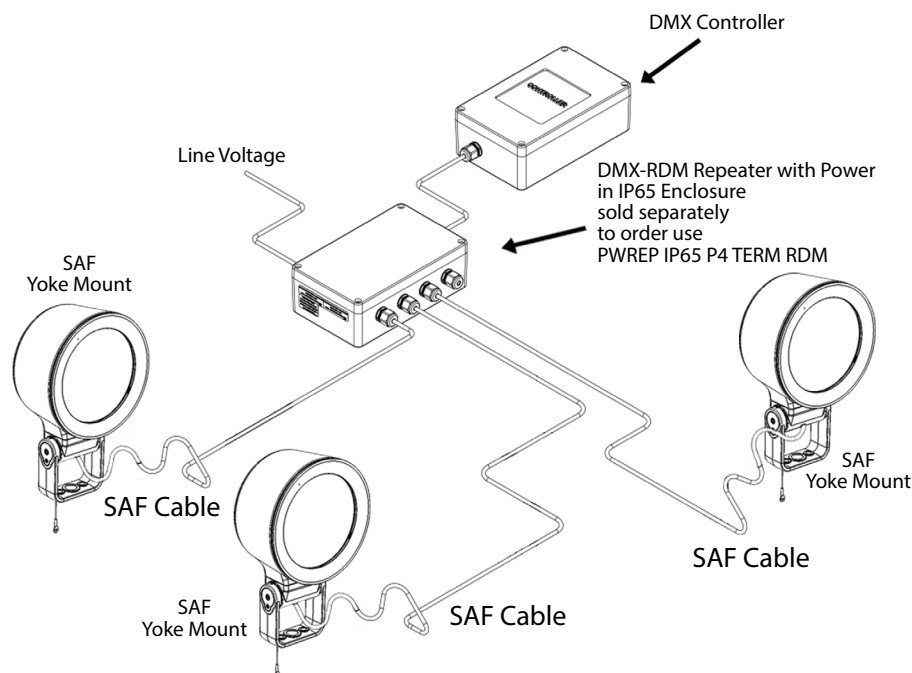
DMX-RDM Repeater with Power in IP65 Enclosure

Model
PWREP IP65 P4 TERM RDM DMX-RDM Repeater with Power in IP65 Enclosure

Refer to [PWREP IP65](#) spec sheet for additional details.



WIRING AND LAYOUT DESIGN



Wiring Detail - DMX RGBW Fixture



FEATURES & SPECIFICATIONS

MATERIAL: Die cast copper-free aluminum (A360) housing & doors with separate optical and driver compartments to ensure thermal isolation of the electronic drivers and LED's.

VOLTAGE: MVOLT 120V-277V, 50/60Hz.

DISTRIBUTION: Narrow, Medium, Wide

LENS: Molded from heat strengthened borosilicate glass for superior clarity and strength.

MOUNTING: Adjustable knuckle is 1/2" NPT. Yoke mount is a 7/8" thru hole center and (2) 7/16" thru holes 2.2" on center. Aluminum knuckle, yoke, & stainless steel locking hardware with infinite aiming adjustment capabilities and a wide array of mounting accessories. The SAF series can withstand up to a 3G vibration load rating per ANSI/IEEE C136.31. Yoke mount luminaires are provided with 10'-50' at 5ft increments of 18 gauge/6 conductor ST cord for power supply and control. Knuckle mount luminaires are provided with 18" leads (18 gauge for power supply and 22 gauge for control).

GLARE CONTROL: External glare control option includes half glare shield.

EXTERNAL ACCESSORY: Impact resistant rock guard

FINISH: Exterior parts are protected by a zinc-infused durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climates without cracking or peeling.

ELECTRICAL: MVOLT (120-277) LED power supply 34 watts, Class 1 electronic driver has a power factor >90%, THD<10%. 10kV surge protection meets a minimum Category C low operation per ANSI/IEEE C62.41.2.

CONTROL: 8 channel system. Channels 1-4 will control the far beam and channels 5-8 control the near beam.

LIGHT SOURCE: Quad Chip RGBW4 (Red, Green, Blue, White 40K) L90 > 35,900 hours at 25°C. All within 3 MacAdam ellipses.

FEATURES: Taper lock knuckle and yoke for infinite aiming and an unparalleled locking ability.

GOVERNMENT PROCUREMENT

BAA – Buy American Act: This product is available in a version that qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS.

BABA – Build America Buy America: This product is available in a version that qualifies as produced in the United States under the definitions of the Build America, Buy America Act, as implemented by 2 C.F.R. Part 184 and other agency implementing regulations, including Department of Transportation regulations.

Please refer to www.acuitybrands.com/resources/buy-american for additional information.

LISTING: cCSAus, suitable for outdoor & wet location, IP68 rated.

WARRANTY: 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at:

www.acuitybrands.com/support/warranty/terms-and-conditions

Consult factory for details

NOTE: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.