

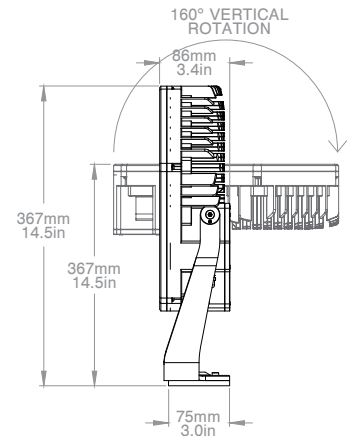
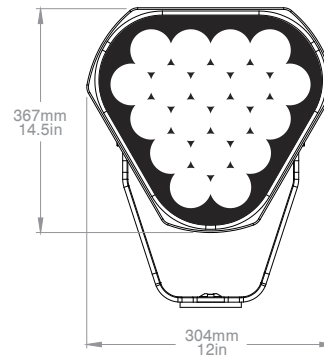
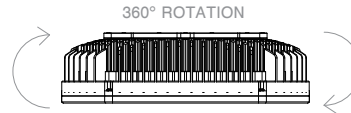
RGBW Inner-Mixing Architectural Spot and Floodlight

PRODUCT SPECIFICATION SHEET

Color mixing in a single optic for wall washing/grazing applications and color compatibility with STR9® RGBW fixtures.



DATE:	
TYPE:	
COMPANY:	
PROJECT:	



*SM200 bracket mounting option shown. See page 2 for more mounting options.

FEATURES:

- COLOR-AMP® technology allows up to three times higher light output in specific colors
- INFINITY® Technology compatible (INF)
- Built-in high temperature power supply (AC)
- Meets ANSI C136.31 3G Vibration standard for bridge and overpass applications, taking into consideration wind and traffic vibrations
- Plug-and-play with STR9® luminaires
- Color matched with our STR9® RGBW linear luminaires
- Advanced thermal design with cutting-edge manufacturing process and materials
- Compact size, only 86mm (3.34in) in depth
- Weight of only 5kg (11lbs)
- Highly adjustable with 360° horizontal rotation and 160° vertical rotation

OPTIONS:

- Beam angles ranging from 10° to 80° with elliptical distribution options
- Optical accessories for glare control
- Black matte and clear matte anodized colors
- ELV (48VDC), INF (380VDC) and AC (85-264VAC) input options

SPECIFICATION LOGIC: FL100™ IM (INNER MIXING)

FAMILY	BODY COLOR	LED COLOR	OPTICS(FWHM)*	VOLTAGE	MOUNTING OPTION
FL100	BM - Black Matte Anodized CM - Clear Matte Anodized	RGBW-IM	10 - 10°x10° 20 - 20°x20° 40 - 40°x40° 60 - 60°x60° 80 - 80°x80° 10x40 - 10°x40° H 40x10 - 40°x10° V 10x60 - 10°x60° H 60x10 - 60°x10° V 30x60 - 30°x60° H 60x30 - 60°x30° V	ELV - 48VDC INF - 380VDC AC - 85-264VAC ‡	SM120 - Surface Mount 120mm¹ SM200 - Surface Mount 200mm¹ SM300 - Surface Mount 300mm¹ SM400 - Surface Mount 400mm¹ SM500 - Surface Mount 500mm¹ SMXXX - Surface Mount Custom¹ (specify length) SF - Slip Fit 2in¹ PM - Pole Mount¹

PRODUCT CONFIGURATION

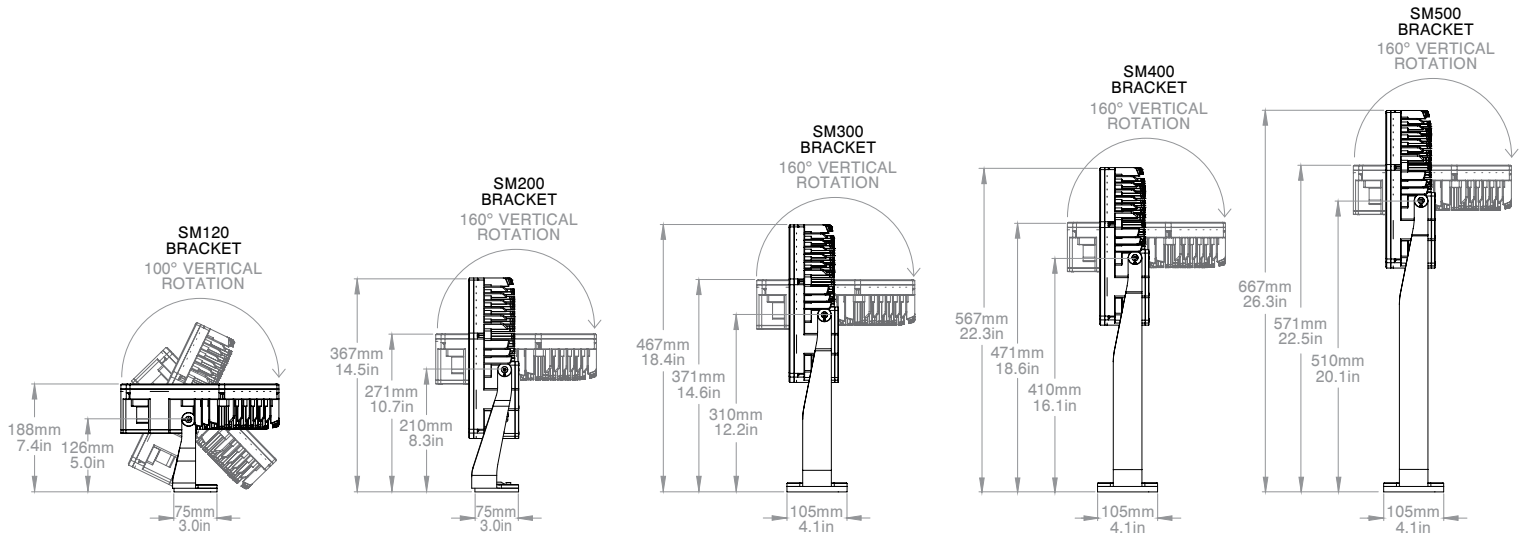
1. Custom color combinations are available from the color selection of FL100 Monochromatic. Contact GVA for more information.
2. 277VAC version in development.
3. Non standard option and might require longer leadtime than usual.

* Nominal valves are used. Actual measurements may differ slightly.







RGBW Inner-Mixing Architectural Spot and Floodlight

PRODUCT SPECIFICATION SHEET

MOUNTING BRACKET OPTIONS



PRODUCT SPECIFICATIONS: FL100™ RGBW-IM (INNER MIXING)

ELECTRICAL		Rated Input Voltage		48VDC		380VDC		85-264VAC		
		Power Consumption (max.)		100W		100W		100W		
OPTICAL		Light Source		18 x High Power 4 in 1 LEDs						
		CRI		70						
		Output (typical) 10°	Color	Wave Length (nm)	Luminous Flux (lm)	Peak Intensity (cd)	Luminous Flux (lm)	Peak Intensity (cd)	Luminous Flux (lm)	Peak Intensity (cd)
			Red	617	1,790	41,300	1,620	37,170	1,440	33,040
			Green	520	2,610	62,300	2,350	56,060	2,090	49,840
			Blue	453	770	17,660	690	15,890	610	14,130
	White	6700K	4,660	111,880	4,190	100,690	3,730	90,620		
Optics		High optical efficiency PMMA TIR Lens, Micro Lense Film, Tempered Glass Cover Lens								
Beam Angle (FWHM)		10 (10°x10°), 20 (20°x20°), 40 (40°x40°), 60 (60°x60°), 80 (80°x80°), 10x40 (10°x40°), 40x10 (40°x10°), 10x60 (10°x60°), 60x10 (60°x10°), 30x60 (30°x60°), 60x30 (60°x30°)								
Projected Lumen Maintenance		L70 > 60,000hrs @ Ta =50°C/122°F								
CONTROL		Control Interface		DMX control through GVA's Power-Data Equipment						
PHYSICAL		Size (HxWxD)		mm	304 x 367 x 86					
				inches	14.5 x 12.0 x 3.4					
		Weight		kg	5					
				lbs	11					
		Housing		Anodized 6061 Aluminum Alloy						
		Fixture Connections		IP68 Connectors						
Rated Operation Temperature		-40°C to +50°C, -22°F to 122°F								
Environment		Dry, Damp or Wet Locations, 0-100% humidity								
CERTIFICATION & SAFETY		Listings		RoHS						
		IEC Classifications		Class 1 LED Luminaire						
		<div><div><div></div><div></div><div></div><div><div> DRY</div><div> DAMP</div><div> WET</div></div></div></div>						Constructed to meet requirements outlined in UL1598 & IEC60598		
						Meets ANSI C136.31 3G Vibration standard for bridge and overpass applications				

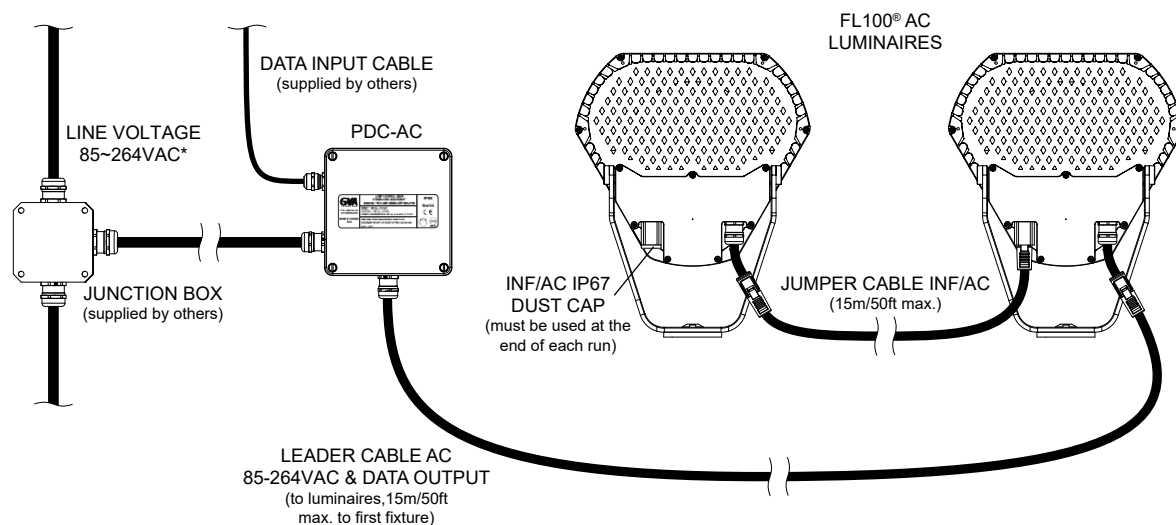
These figures are subject to change due to further development and innovations of LED light sources.
This product is in its early release stage. The data above is in preliminary stage until full release.

RGBW Inner-Mixing Architectural Spot and Floodlight

PRODUCT SPECIFICATION SHEET

TYPICAL SYSTEM DIAGRAM: AC (WITH CONTROL)

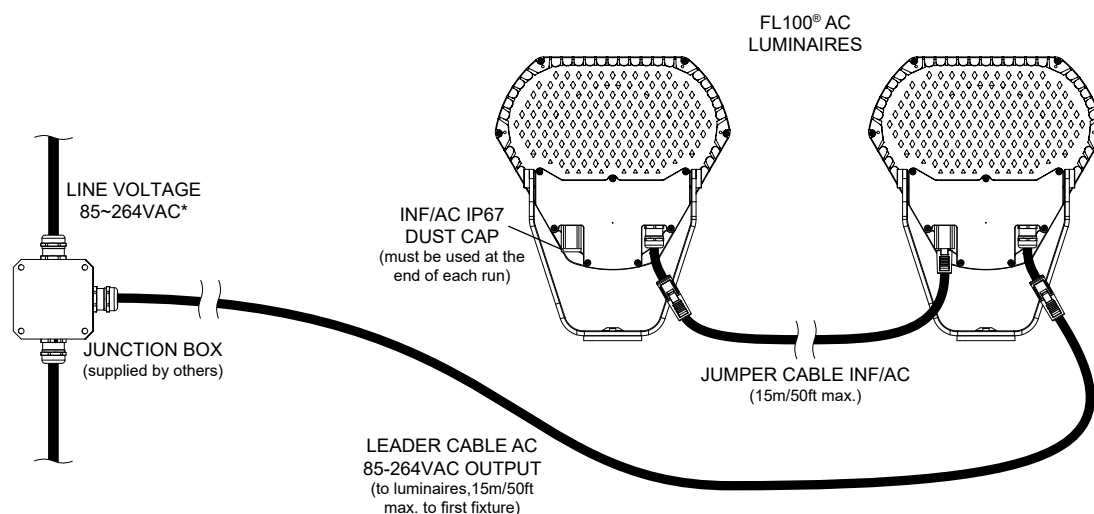
NOTE: Length of leader cables and jumper cables directly affects the maximum number of fixtures in a single run.



* 277VAC version in development, consult factory for details

TYPICAL SYSTEM DIAGRAM: AC (WITHOUT CONTROL)

NOTE: Length of leader cables and jumper cables directly affects the maximum number of fixtures in a single run.



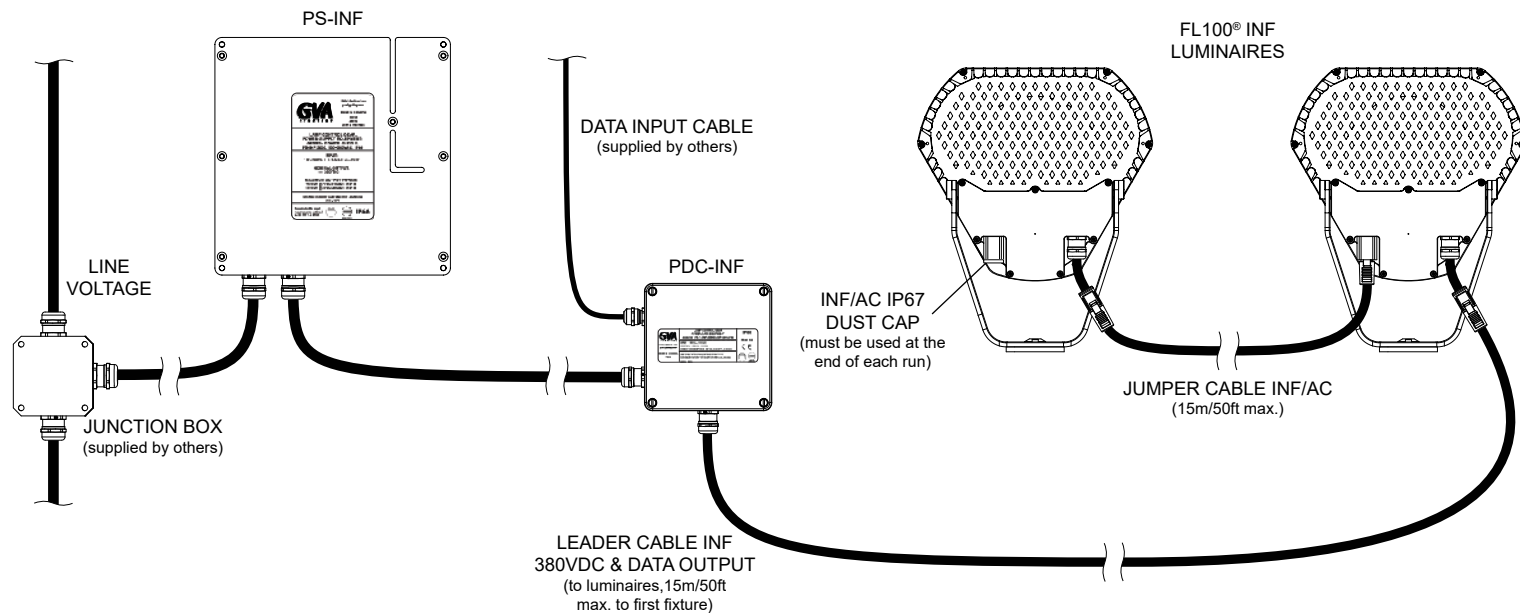
* 277VAC version in development, consult factory for details

RGBW Inner-Mixing Architectural Spot and Floodlight

PRODUCT SPECIFICATION SHEET

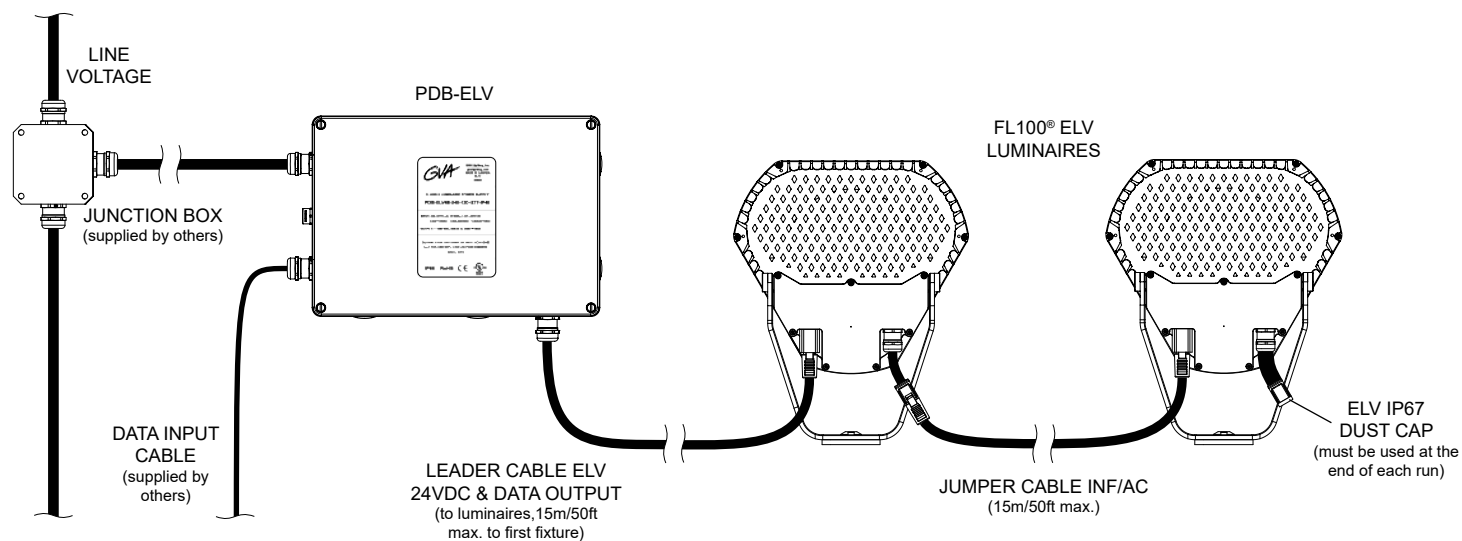
TYPICAL SYSTEM DIAGRAM: INFINITY® (WITH CONTROL)

NOTE: Length of leader cables and jumper cables directly affects the maximum number of fixtures in a single run.



TYPICAL SYSTEM DIAGRAM: ELV (WITH CONTROL)

NOTE: Length of leader cables and jumper cables directly affects the maximum number of fixtures in a single run.

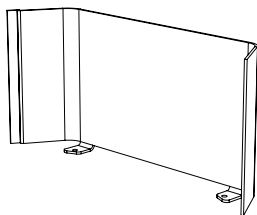


RGBW Inner-Mixing Architectural Spot and Floodlight

PRODUCT SPECIFICATION SHEET

ORDERING LOGIC: ACCESSORIES

VISORS



COLOR

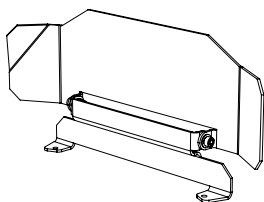
Clear Matte Anodized
Black Matte Anodized
Custom Anodized

PART NUMBER

121565
121566
121567

* Individual items, for a full set, order quantity of 3

BARN DOORS



COLOR

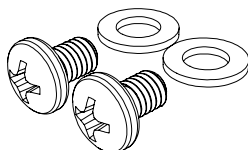
Clear Matte Anodized
Black Matte Anodized
Custom Anodized

PART NUMBER

121568
121569
121570

* Individual items, for a full set, order quantity of 3

SCREW SETS



COLOR

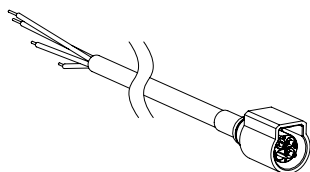
PART NUMBER

121571

*Order 1 per every single visor or
barndoor ordered

ORDERING LOGIC: COMMON COMPONENTS

LEADER CABLES



LEADER CABLE ELV

NOMINAL LENGTH

PART NUMBER

3m (10ft)

140723

9m (30ft)

140733

15m (50ft)

140724

CUSTOM

140732

LEADER CABLE INF

3m (10ft)

140725

9m (30ft)

140710

15m (50ft)

140726

CUSTOM

140727

LEADER CABLE AC

3m (10ft)

140858

9m (30ft)

140859

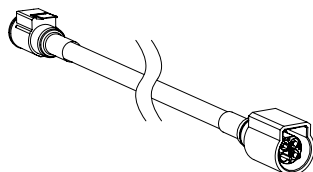
15m (50ft)

140860

CUSTOM

140861

JUMPER CABLES



JUMPER CABLE ELV

0.9m (3ft)

140729

1.8m (6ft)

140730

3.6m (12ft)

140731

CUSTOM

140728

JUMPER CABLE INF/AC

0.9m (3ft)

140709

1.8m (6ft)

140734

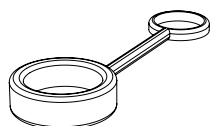
3.6m (12ft)

140735

CUSTOM

140708

CONNECTOR DUST CAP, IP67 (must be used at the end of each run)



INPUT TYPE

PART NUMBER

INF/AC

230855

ELV

231182