

RGBW Inner-Mixing Architectural Spot and Floodlight

PRODUCT SPECIFICATION SHEET

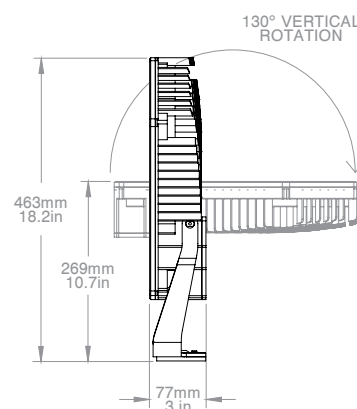
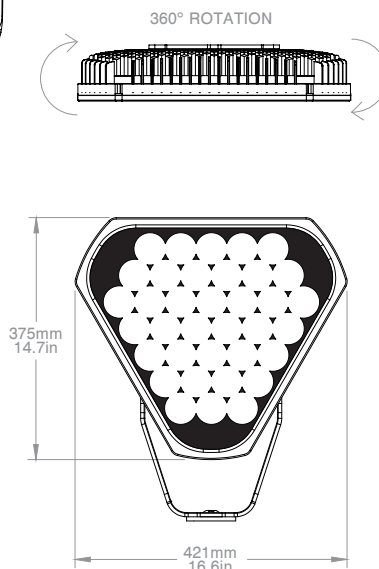
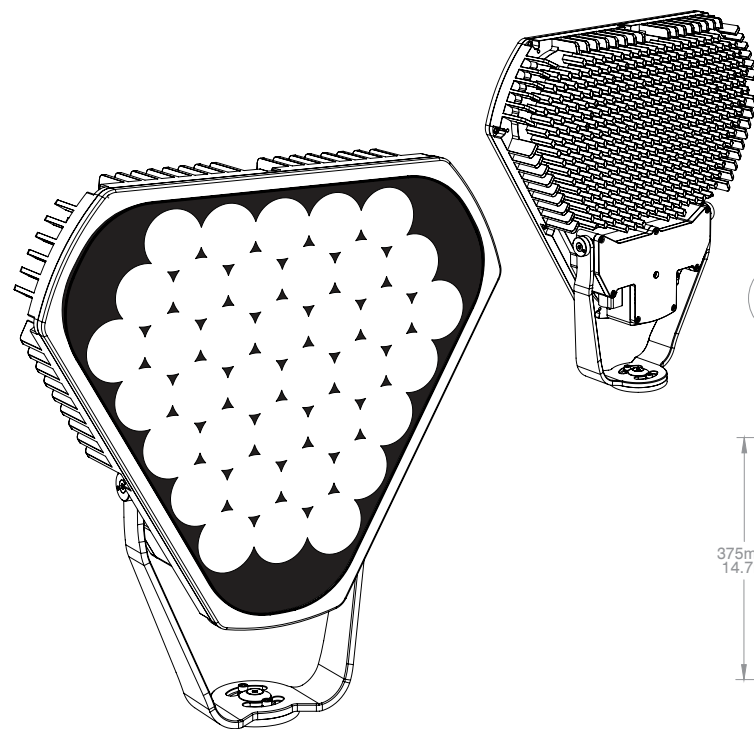
Color mixing in a single optic for wall washing/grazing applications and color compatibility with STR9® RGBW fixtures.

DATE:

TYPE:

COMPANY:

PROJECT:



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

FEATURES:

- Compact size, only 86mm (3.34in) in depth
- Weight of only 8.5kg (18.73lbs)
- Advanced thermal design with cutting-edge manufacturing process and materials
- Highly adjustable with 360° horizontal rotation and 130° vertical rotation
- COLOR-AMP® technology allows up to three times higher light output in specific colors
- INFINITY® Technology compatible (INF)
- Color matched with our STR9® RGBW linear luminaires
- Built-in high temperature power supply (AC)
- Plug-and-play with STR9® luminaires

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: FL200™ RGBW INNER MIXING

FAMILY	BODY COLOR	LED COLORS	OPTICS (FWHM)*	VOLTAGE	MOUNTING
FL200	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 - 110-240VAC ²	SM120 - Surface Mount 120mm ¹ SM200 - Surface Mount 200mm ¹ SM300 - Surface Mount 300mm ¹ SM400 - Surface Mount 400mm ¹ SM500 - Surface Mount 500mm ¹ SMXXX - Surface Mount Custom ¹ (specify length) SF - Slip Fit 2in ¹ PM - Pole Mount ¹

PRODUCT CONFIGURATION

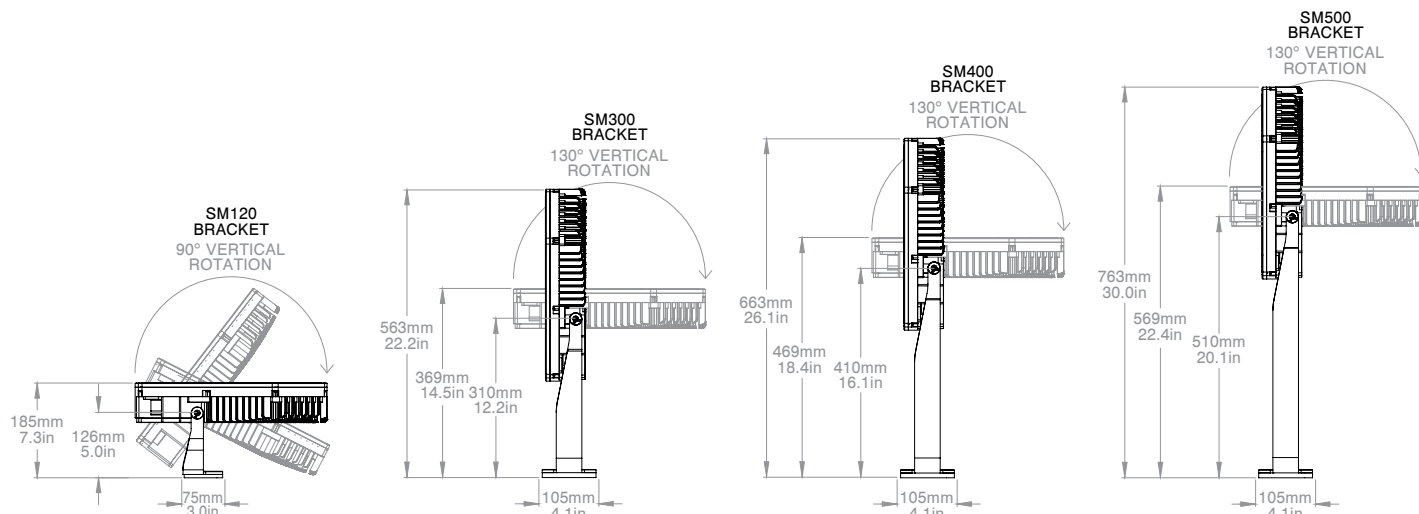
1 - Non standard option and might require longer leadtime than usual.
2 - 277VAC version in development.

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


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FL200™ MOUNTING BRACKET OPTIONS



PRODUCT SPECIFICATIONS: FL200™ RGBW-IM (INNER MIXING)

ELECTRICAL	Rated Input Voltage		48VDC		380VDC		85~264VAC		
	Power Consumption (max.)		220W		220W		220W		
OPTICAL	Light Source		36 x High Power 4 in 1 LEDs						
	CRI		70						
	COLOR-AMP Output (typical)	Color	Wave Length (nm)	Luminous Flux (lm)	Peak Intensity (cd)	Luminous Flux (lm)	Peak Intensity (cd)	Luminous Flux (lm)	Peak Intensity (cd)
		Red	617	2,340	55,980	2,080	50,380	1,820	44,780
		Green	520	5,694	93,280	5,062	83,950	4,430	74,622
		Blue	453	1,664	24,570	1,480	22,110	1,296	19,653
	White	6700K	9,846	166,820	8,752	150,140	7,658	133,456	
	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	463 x 415 x 86					
			inches	18.2 x 16.3 x 3.38					
	Weight		kg	8.5					
			lbs	18.73					
	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						
							Constructed to meet requirements outlined in UL1598 & IEC60598		

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.

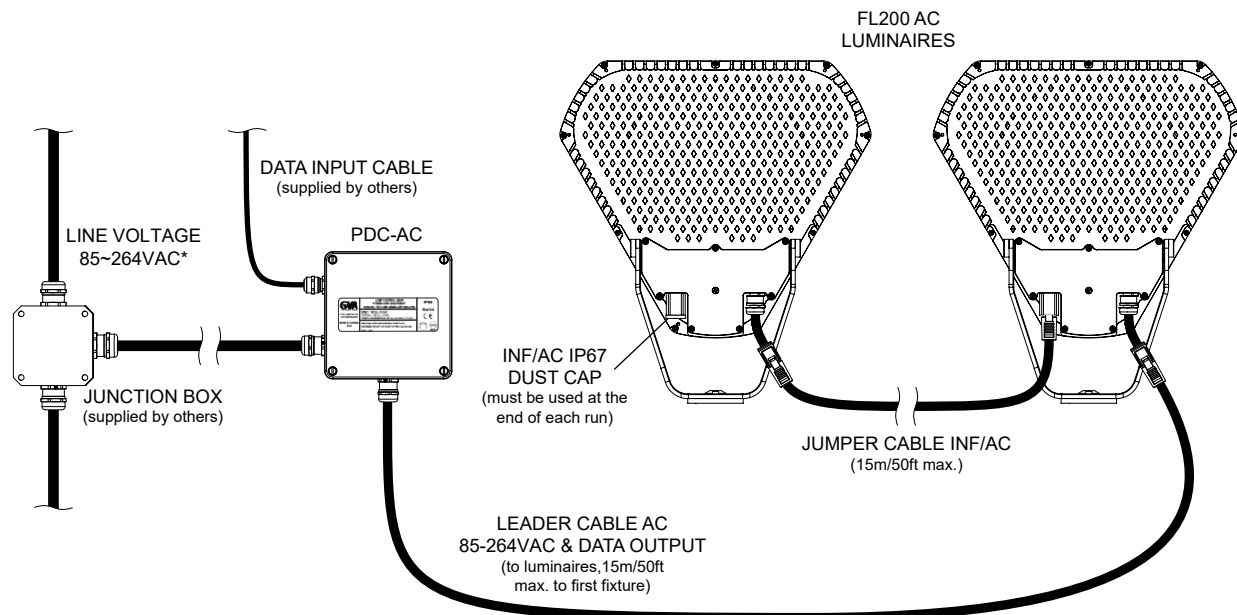
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TYPICAL SYSTEM DIAGRAM: AC (WITH CONTROL)

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

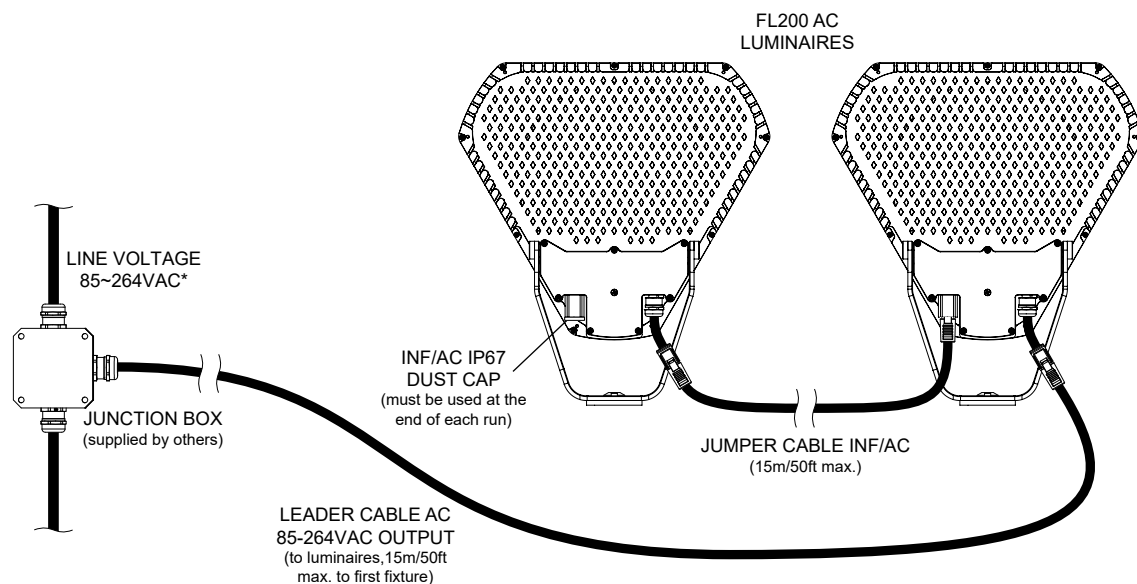
* 277VAC version in development, consult factory for details



TYPICAL SYSTEM DIAGRAM: AC (WITH NO 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

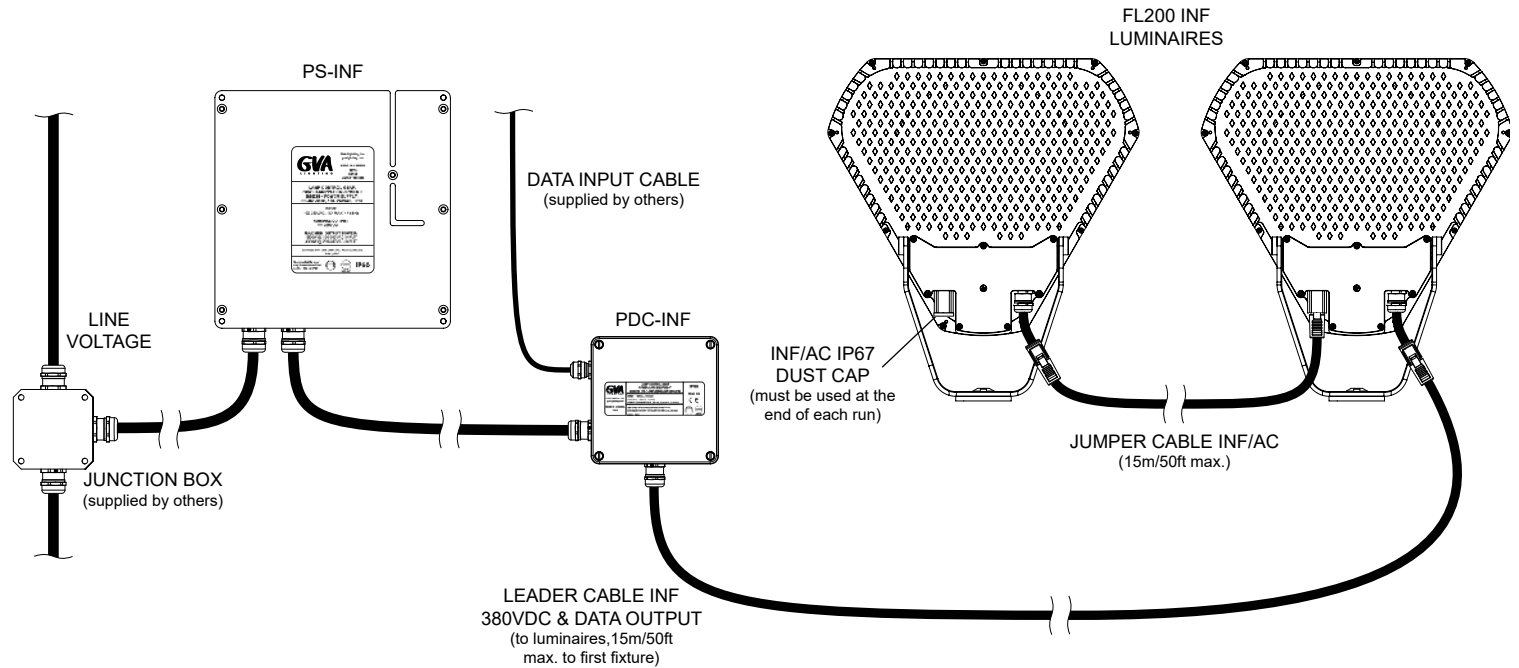


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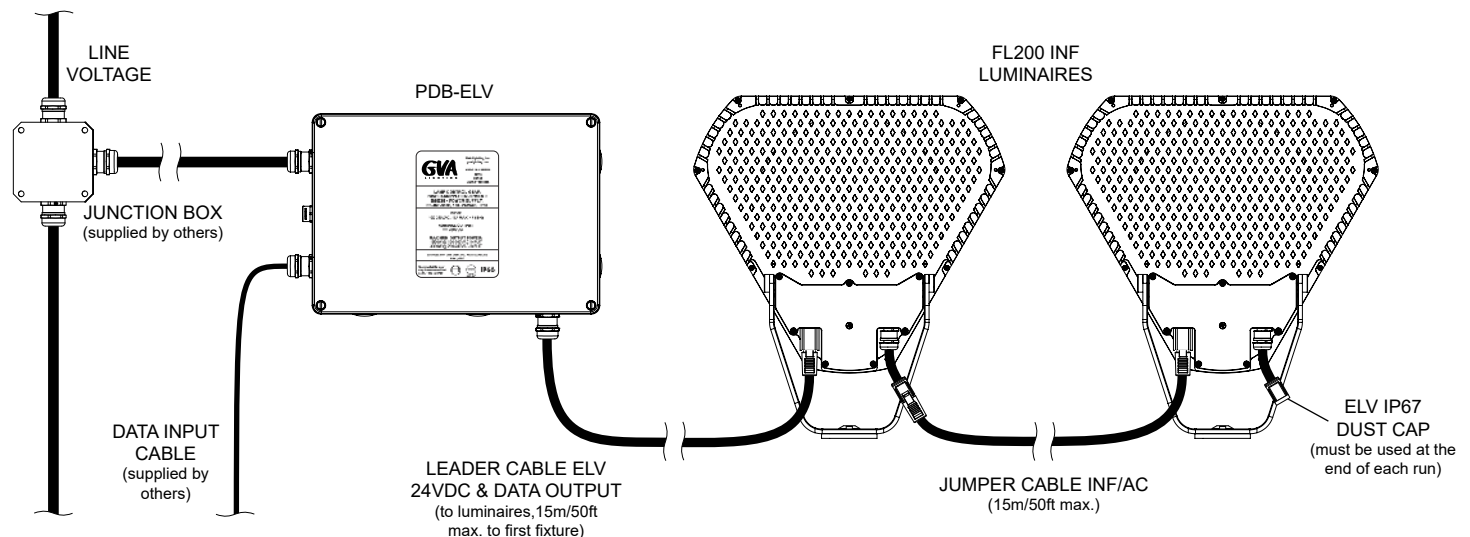
TYPICAL SYSTEM DIAGRAM: INFINITY® (WITH CONTROL)

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.

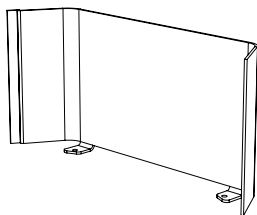


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ORDERING LOGIC: ACCESSORIES

VISORS



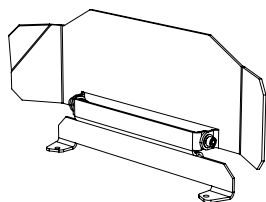
COLOR

Clear Matte Anodized
Black Matte Anodized
Custom Anodized

PART NUMBER

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

BARN DOORS



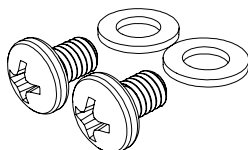
COLOR

Clear Matte Anodized
Black Matte Anodized
Custom Anodized

PART NUMBER

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

SCREW SETS



COLOR

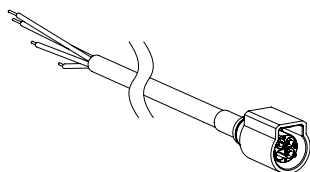
PART NUMBER

121571

*Order 1 per every single visor or barn door 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

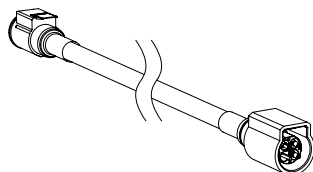
15m (50ft)

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

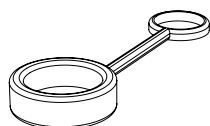
3.6m (12ft)

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