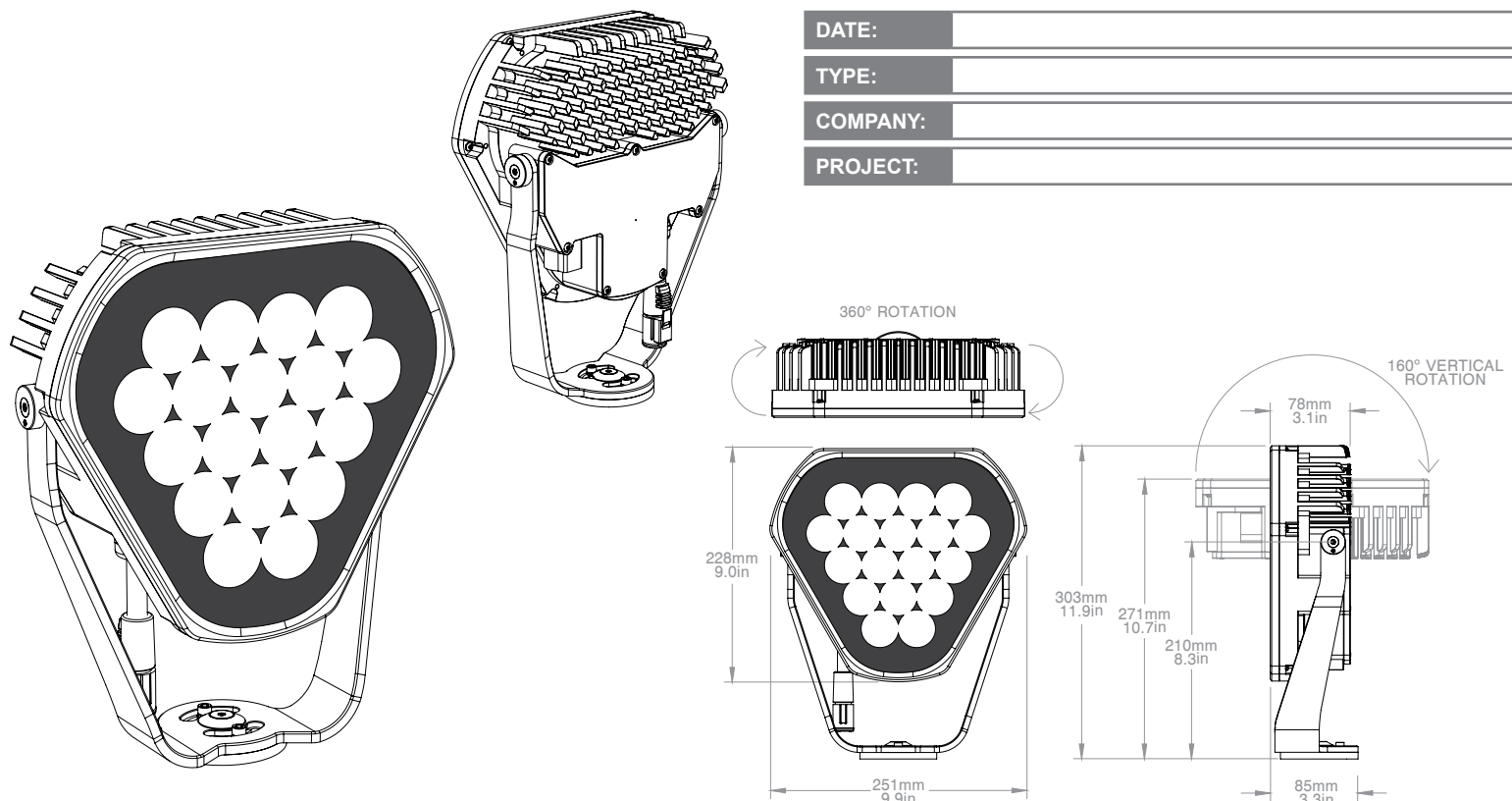


RGBW Outer Mixing Architectural Spot and Floodlight

PRODUCT SPECIFICATION SHEET



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

FEATURES:

- Ultra narrow 4.5° beam angle
- INFINITY[®] Technology compatible (INF)
- Built-in high temperature power supply (AC)
- Plug-and-play with STR9[®] luminaires
- IP66 sealed body design
- Advanced thermal design with cutting-edge manufacturing process and materials
- Compact size, only 78mm (3.1in) in depth
- Weight of only 3kg (6.6lbs)
- Highly adjustable with 360° horizontal rotation and 160° vertical rotation

OPTIONS:

- Wide range of LED colors available
- Beam angles ranging from 4° to 75° 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: FL50 RGBW-OM (OUTER MIXING)

FAMILY	BODY COLOR	LED COLOR	OPTICS(FWHM)*	VOLTAGE	MOUNTING OPTION
FL50	BM - Black Matte Anodized CM - Clear Matte Anodized	RGBW22K-OM ³ RGBW27K-OM RGBW30K-OM RGBW35K-OM RGBW40K-OM RGBW50K-OM RGBW65K-OM	4 - 4.5°x4.5° 7 - 7°x7° 10 - 10°x10° 20 - 20°x20° 40 - 40°x40° 55 - 55°x55° 75 - 75°x75° 10x40 - 10°x40° H 40x10 - 40°x10° V 10x60 - 10°x60° H 60x10 - 60°x10° V 30x55 - 30°x60° H 55x30 - 60°x30° V	ELV - 48VDC INF - 380VDC AC - 85-264VAC ²	SM120 - Surface Mount 120mm SM200 - Surface Mount 200mm SM300 - Surface Mount 300mm SM400 - Surface Mount 400mm SM500 - Surface Mount 500mm SMXXX - Surface Mount Custom ¹ (specify length) SF - Slip Fit 2in ¹ PM - Pole Mount ¹

PRODUCT CONFIGURATION

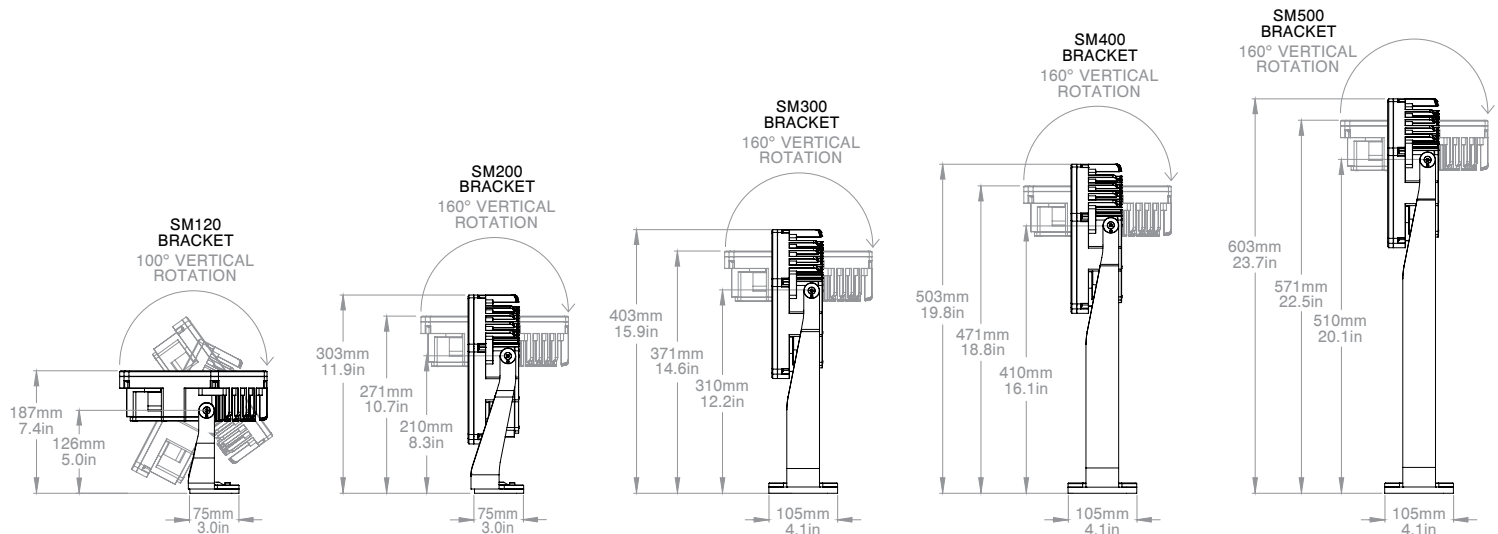
1. Non-standard option and may require longer lead time than usual.
2. 277VAC version in development.

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


RGBW Outer Mixing Architectural Spot and Floodlight

PRODUCT SPECIFICATION SHEET

FL50 MOUNTING BRACKET OPTIONS



PRODUCT SPECIFICATIONS: FL50 RGBW-OM (OUTER MIXING)

ELECTRICAL		Rated Input Voltage		48VDC		380VDC		85~264VAC	
		Power Consumption (max.)		50W		60W		70W	
OPTICAL	Light Source		18 x High Power LEDs						
	CRI		80 ¹						
	Output (typical) 4°	Color	Wave Length (nm)	Luminous Flux (lm)	Peak Intensity (cd)	Luminous Flux (lm)	Peak Intensity (cd)	Luminous Flux (lm)	Peak Intensity (cd)
		Red	620	N/A	N/A	N/A	N/A	N/A	N/A
		Green	525	N/A	N/A	N/A	N/A	N/A	N/A
		Blue	470	N/A	N/A	N/A	N/A	N/A	N/A
		White 22K-65K	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Output (typical) ² 7°+	Red	620	411	12,465	370	11,219	329	9,973
		Green	525	673	19,410	606	17,469	539	15,528
		Blue	470	294	8,016	264	7,214	235	6,413
White 22K-65K			1,252	28,657	1,126	25,792	1,001	22,927	
Optics		High optical efficiency PMMA TIR Lens, Micro Lense Film, Tempered Glass Cover Lens							
Beam Angle (FWHM)		4 (4.5°x4.5°), 7 (7°x7°), 10 (10°x10°), 15 (15°x15°), 20 (20°x20°), 30 (30°x30°), 55 (55°x55°), 75 (75°x75°), 10x40 (10°x40°), 40x10 (40°x10°), 10x60 (10°x60°), 60x10 (60°x10°), 30x55 (30°x55°), 55x30 (55°x30°)							
Projected Lumen Maintenance		L70 > 60,000hrs @ Ta =50°C/122°F							
CONTROL		Control Interface		DMX control through GVA's Power-Data Equipment					
PHYSICAL	Body Size (HxWxD)		mm inches		228 x 251 x 78 9.0 x 9.9 x 3.1				
	Weight		kg lbs		3 6.6				
	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						
	Listings		RoHS						
CERTIFICATION & SAFETY	IEC Classifications		Class 1 LED Luminaire						
						Constructed to meet requirements outlined in UL1598 & IEC60598			
						Constructed to meet ANSI C136.31 3G Vibration standard for bridge and overpass applications			

1 - Minimum 90 CRI also available

2 - Measured with 7° fixture configuration. Luminous flux may be lower with other configurations.

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.

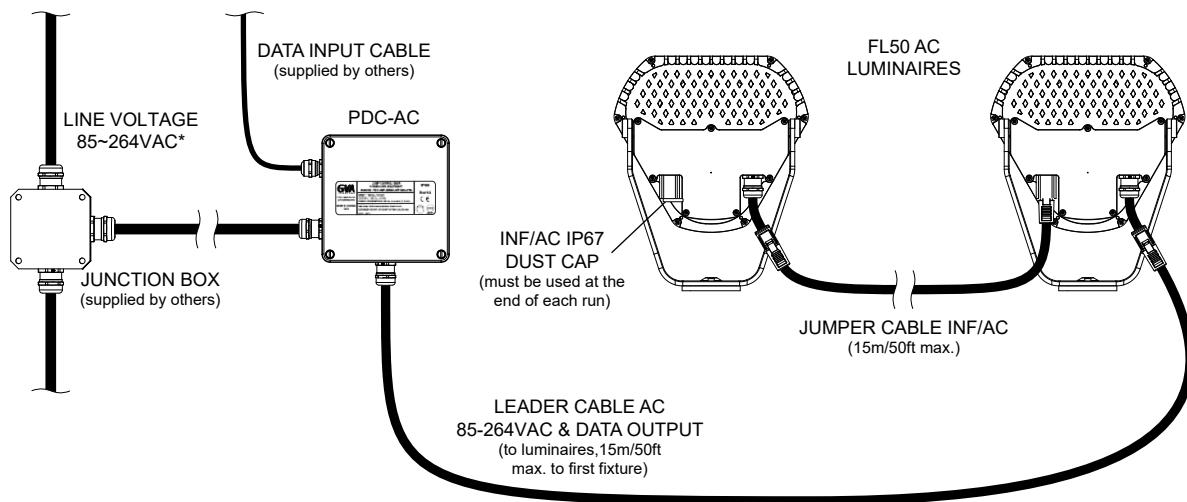
RGBW Outer Mixing Architectural Spot and Floodlight

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.

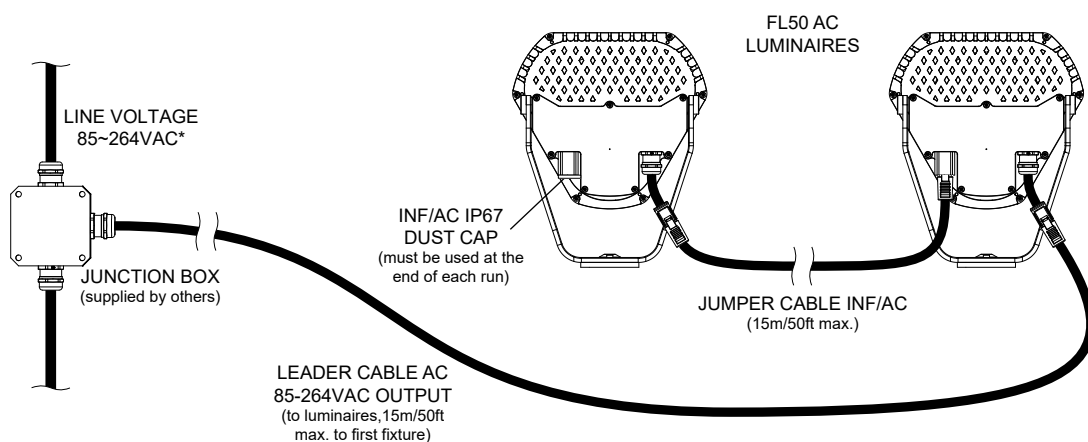
* 277VAC version in development, consult factory for details



TYPICAL SYSTEM DIAGRAM: AC (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

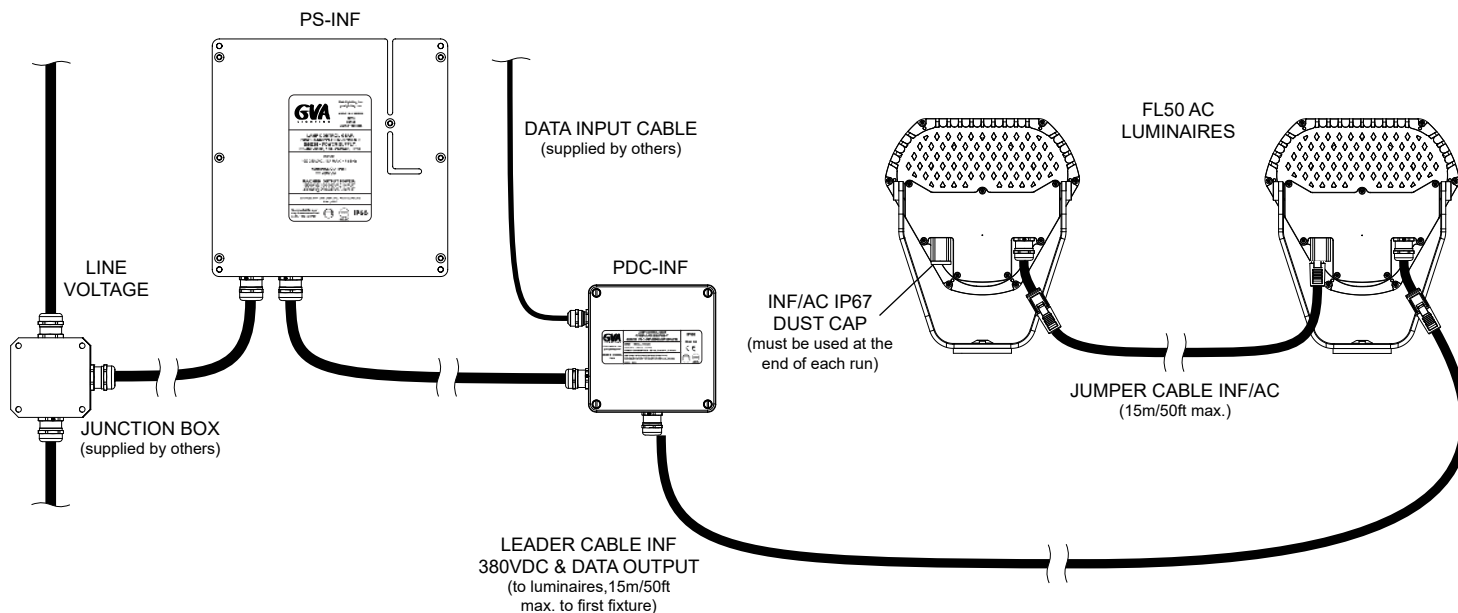


RGBW Outer Mixing Architectural Spot and Floodlight

PRODUCT SPECIFICATION SHEET

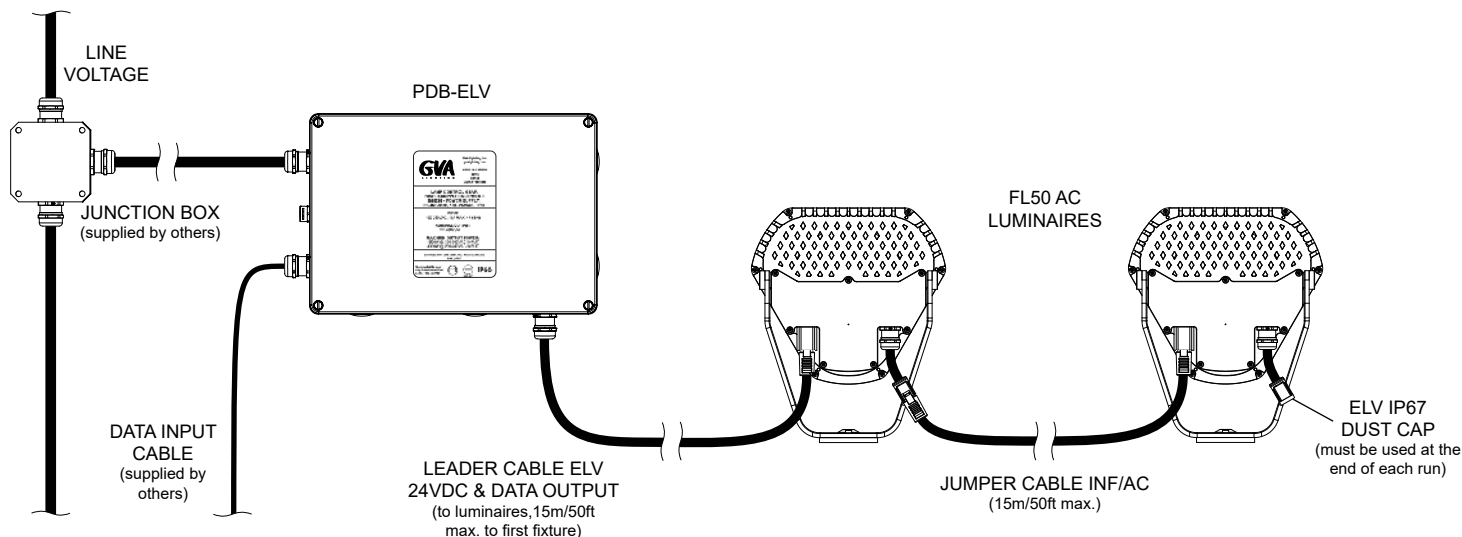
TYPICAL SYSTEM DIAGRAM: INFINITY® (WITH CONTROL)

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.

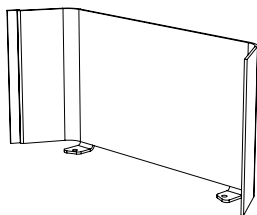


RGBW Outer Mixing Architectural Spot and Floodlight

PRODUCT SPECIFICATION SHEET

ORDERING LOGIC: ACCESSORIES

VISORS



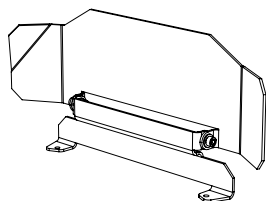
COLOR

White Powder Coated
Black Powder Coated
Silver Powder Coated
Custom Color

PART NUMBER

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

BARN DOORS



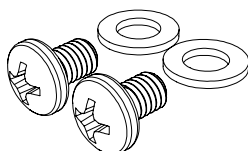
COLOR

White Powder Coated
Black Powder Coated
Silver Powder Coated
Custom Color

PART NUMBER

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

SCREW SETS



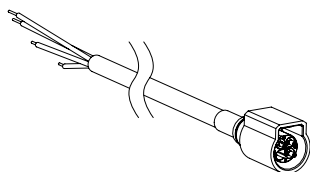
PART NUMBER

121571

*Order 1 per every single visor or
barndoor ordered

ORDERING LOGIC: COMMON COMPONENTS

LEADER CABLES



LEADER CABLE ELV

NOMINAL LENGTH

3m (10ft)

9m (30ft)

15m (50ft)

CUSTOM

PART NUMBER

140723

140733

140724

140732

LEADER CABLE INF

3m (10ft)

9m (30ft)

15m (50ft)

CUSTOM

140725

140710

140726

140727

LEADER CABLE AC

3m (10ft)

9m (30ft)

15m (50ft)

CUSTOM

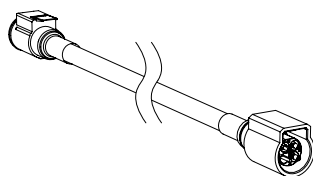
140858

140859

140860

140861

JUMPER CABLES



JUMPER CABLE ELV

0.9m (3ft)

1.8m (6ft)

3.6m (12ft)

CUSTOM

140729

140730

140731

140728

JUMPER CABLE INF/AC

0.9m (3ft)

1.8m (6ft)

3.6m (12ft)

CUSTOM

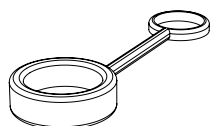
140709

140734

140735

140708

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



INPUT TYPE

INF/AC

ELV

PART NUMBER

230855

231182