

## RGBW Outer Mixing Architectural Spot and Floodlight

## PRODUCT SPECIFICATION SHEET

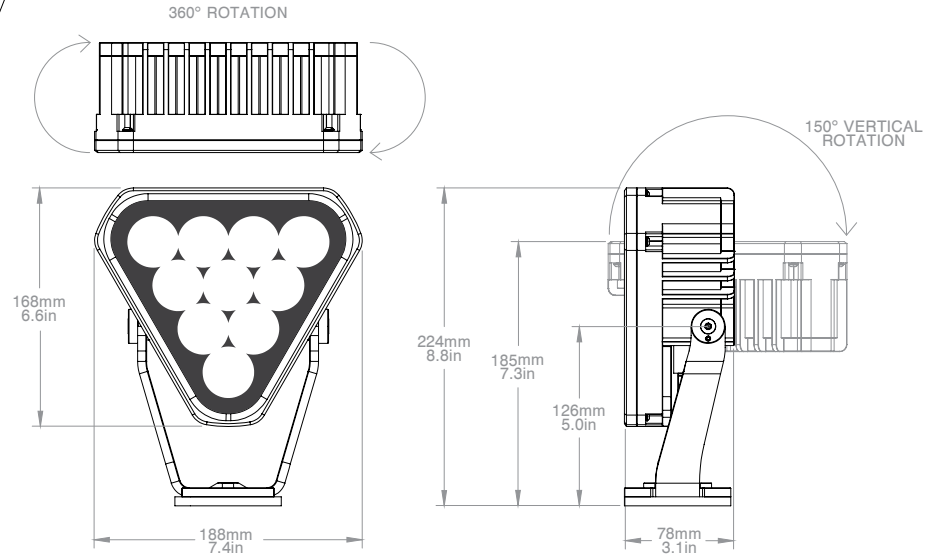
Color mixing outside of the fixture for the best performance, color mixing and highest punch.

DATE:

TYPE:

COMPANY:

PROJECT:



## 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 2.0kg (4.4lbs)
- Highly adjustable with 360° horizontal rotation and 150° vertical rotation

## OPTIONS:

- Wide range of LED colors available
- Beam angles ranging from 4° to 85° with elliptical distribution options
- Optical accessories for glare control
- Clear matte and black matte standard anodized body colors
- Custom body colors available on demand
- ELV (48VDC), INF (380VDC) and AC (85~277VAC) input options
- Range of bracket lengths and mounting options

## SPECIFICATION LOGIC: FL25 RGBW-OM (OUTER MIXING)

FAMILY	BODY COLOR	LED COLOR	OPTICS(FWHM)*	VOLTAGE	MOUNTING OPTION
FL25	BM - Black Matte Anodized CM - Clear Matte Anodized CUST - Custom Color <sup>1</sup>	RGBW22K-OM <sup>1</sup> 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° 85 - 85°x85° 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 AC277 - 85~277VAC	SM120 - Surface Mount 120mm <sup>1</sup> SM200 - Surface Mount 200mm <sup>1</sup> SM300 - Surface Mount 300mm <sup>1</sup> SM400 - Surface Mount 400mm <sup>1</sup> SM500 - Surface Mount 500mm <sup>1</sup> SMXXX - Surface Mount Custom <sup>1</sup> (specify length) TM120 - Tenon Mount 120mm <sup>1</sup> PM - Pole Mount <sup>1</sup>

## PRODUCT CONFIGURATION

1. Non standard option and might require longer leadtime than usual. Contact factory for details.

Nominal values are used. Actual measurements may differ slightly.

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ELECTRICAL	Rated Input Voltage		48VDC		380VDC		85~277VAC				
	Power Consumption (max.)		25W		25W		30W				
OPTICAL	Light Source		10 x High Power LEDs								
	CRI		80 <sup>1</sup>								
	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	620	210	17,310	190	15,580	170	13,850	
		Green	525	400	33,910	360	30,520	320	27,130		
		Blue	470	170	12,930	140	11,640	120	10,340		
		White	4000K <sup>3</sup>	560	45,260	500	40,730	450	36,210		
		All On	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	Output (typical) <sup>2</sup>	Red	620	130	9,000	120	8,100	100	7,000		
		Green	525	280	19,750	250	17,780	220	15,800		
		Blue	470	180	2,500	160	2,250	140	2,000		
		White	4000K <sup>3</sup>	650	30,200	590	27,180	530	24,160		
		All On	N/A	820	31,650	740	28,490	660	25,320		
	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°), 20 (20°x20°), 40 (40°x40°), 55 (55°x55°), 75 (75°x75°), 85 (85°x85°), 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)		168 x 188 x 78 mm (6.6 x 7.4 x 3.1 in)								
	Weight		2.0 kg (4.4 lbs)								
	Housing		Anodized 6061 Aluminum Alloy								
	Fixture Connections		IP68 Connectors								
	Rated Operation Temperature		-40°C (-40°F) to +50°C (122°F)								
CERTIFICATION & SAFETY	Environment		Dry, Damp or Wet Locations, 0-100% humidity								
	Listings		RoHS, REACH								
	IEC Classifications		Class 1 LED Luminaire								
RoHS		REACH		DRY		DAMP		WET		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.

3. Warmer color temperatures typically have a lower lumen output.

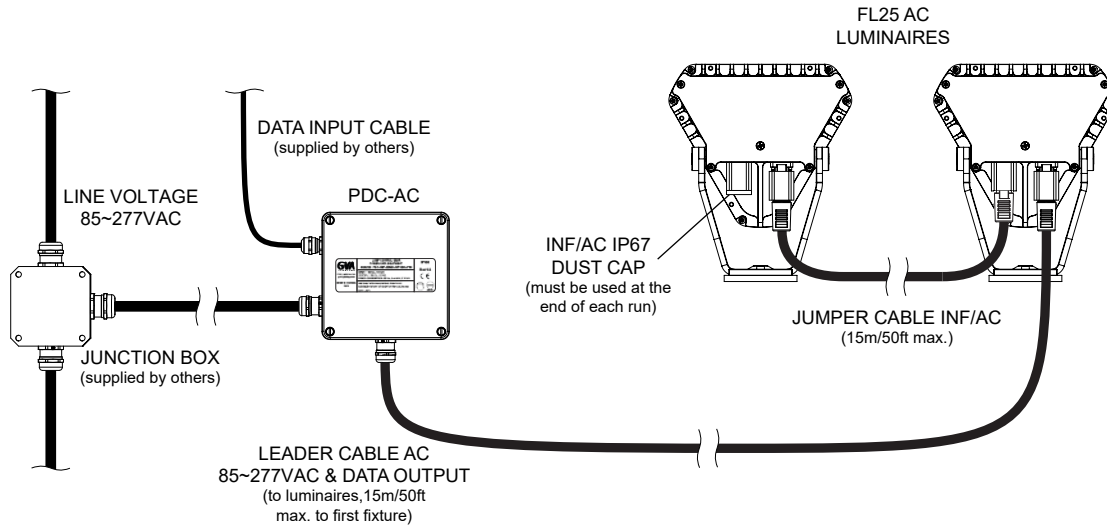
These figures are subject to change due to further development and innovations of LED light sources.

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### TYPICAL SYSTEM DIAGRAM: AC (WITH CONTROL)

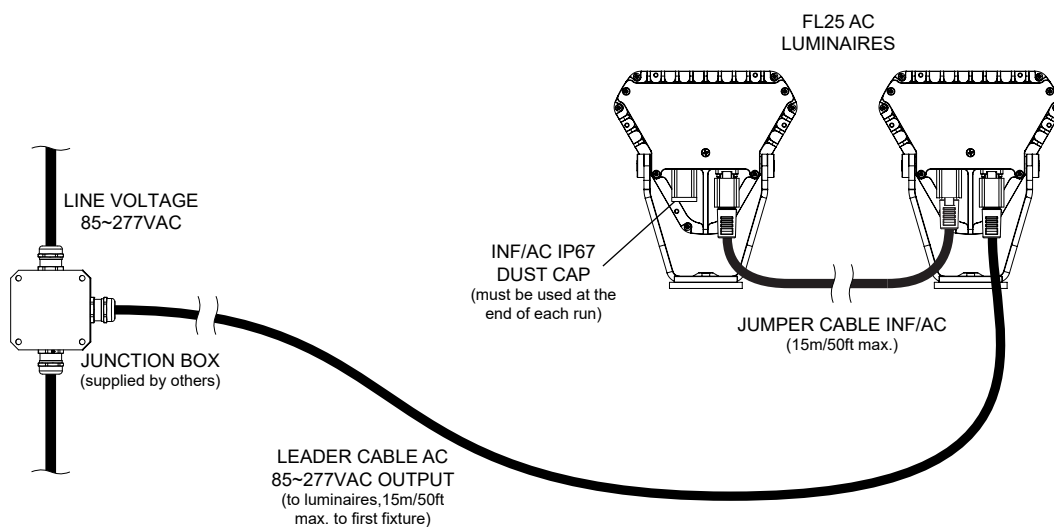
**NOTE:** Length of leader cables and jumper cables directly affects the maximum number of fixtures in a single run.



### 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.

To be used with FL25 MONO fixtures only.

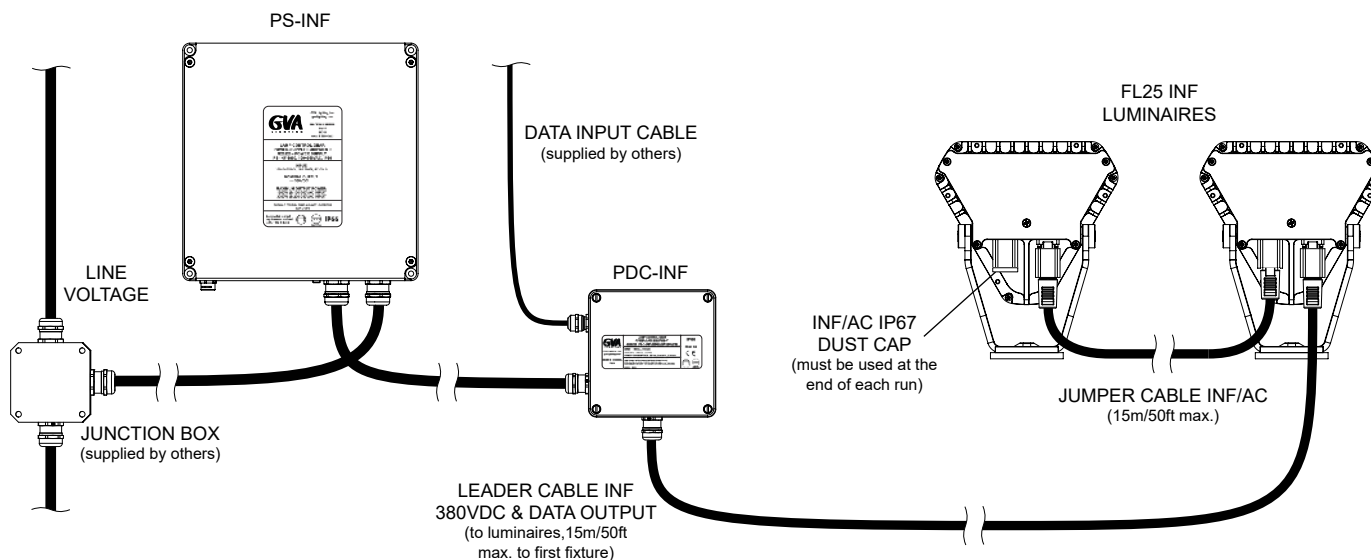


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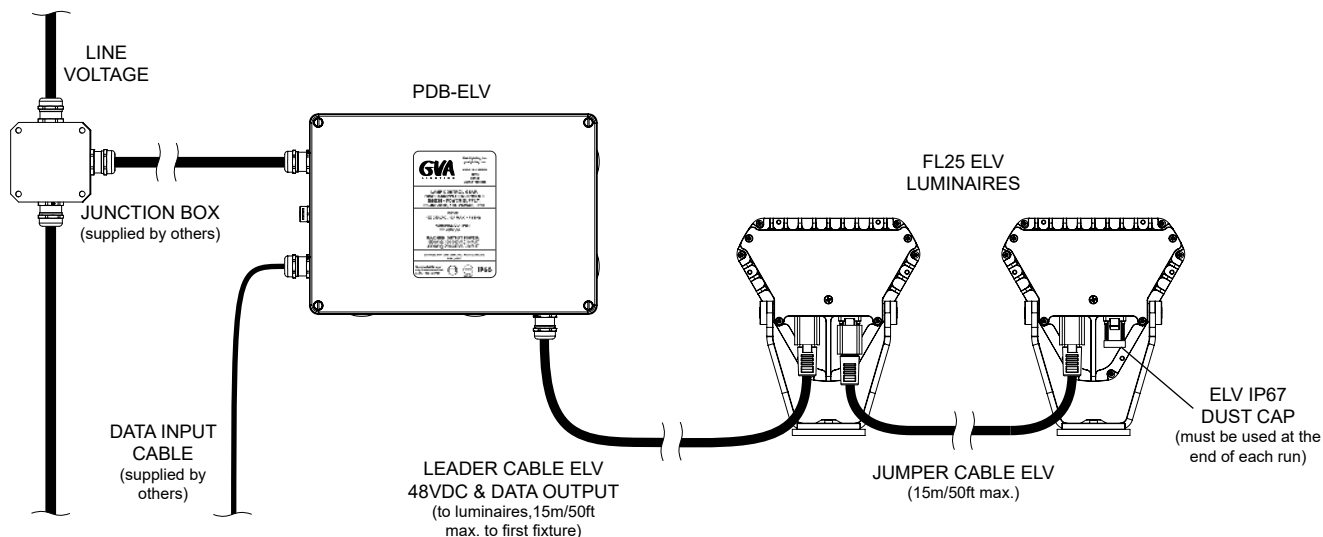
### TYPICAL SYSTEM DIAGRAM: INFINITY® (WITH CONTROL)

**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.

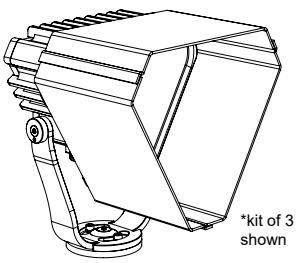


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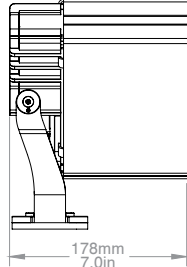
## PRODUCT SPECIFICATION SHEET

### ORDERING LOGIC: ACCESSORIES

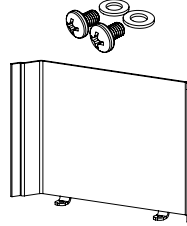
#### VISORS



\*kit of 3 shown



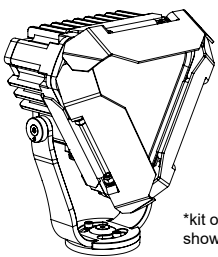
178mm  
7.0in



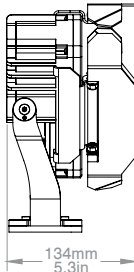
COLOR	KIT OF 1	KIT OF 2	KIT OF 3
Clear Matte Anodized	122397	122400	122403
Black Matte Anodized	122398	122401	122404
Custom Color	122399	122402	122405

\* kit includes mounting hardware

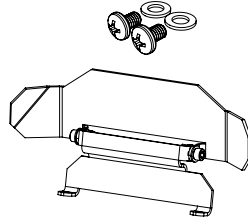
#### BARN DOORS



\*kit of 3 shown



134mm  
5.3in

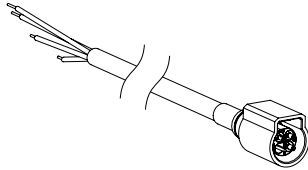


COLOR	KIT OF 1	KIT OF 2	KIT OF 3
Clear Matte Anodized	122407	122410	122413
Black Matte Anodized	122408	122411	122414
Custom Color	122409	122412	122415

\* kit includes mounting hardware

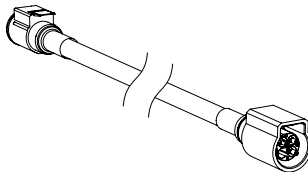
### ORDERING LOGIC: COMMON COMPONENTS

#### LEADER CABLES



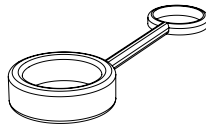
NOMINAL LENGTH	ELV	INF	AC
3m (10ft)	140723	140725	140858
9m (30ft)	140733	140710	140859
15m (50ft)	140724	140726	140860
CUSTOM	140732	140727	140861

#### JUMPER CABLES



NOMINAL LENGTH	ELV	INF/AC
0.9m (3ft)	140729	140709
1.8m (6ft)	140730	140734
3.6m (12ft)	140731	140735
CUSTOM	140728	140708

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



ELV	INF/AC
231182	230855