

# FL50™

## RGBW/RGBA Inner Mixing Architectural Spot and Floodlight

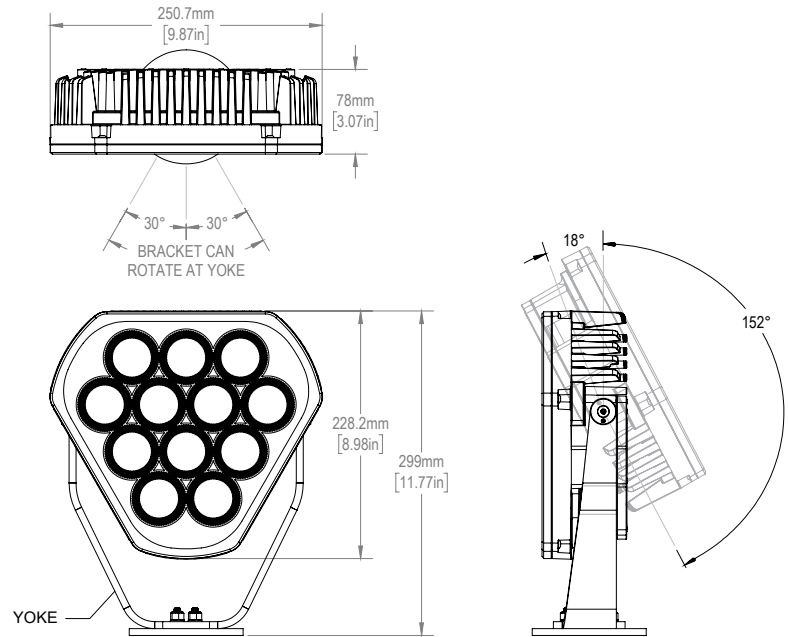
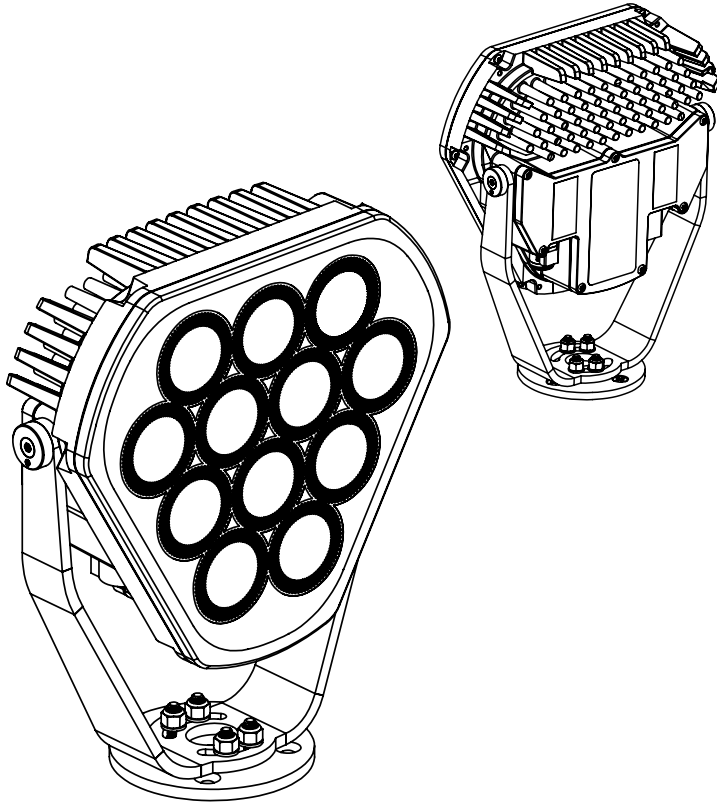
## PRODUCT SPECIFICATION SHEET

DATE: \_\_\_\_\_

TYPE: \_\_\_\_\_

COMPANY: \_\_\_\_\_

PROJECT: \_\_\_\_\_



\*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 universal power supply (AC)
- Plug-and-play with STR9® luminaires
- Compact size, only 78mm (3.1in) in depth
- Weight of only 4.5 kg (9.9 lbs)
- Powder coating tested for corrosion resistance per ASTM B 117 salt spray resistance test @3000h

### OPTIONS:

- Highly adjustable with 60° horizontal rotation and 170° vertical rotation
- Beam angles ranging from 4° to 85° with elliptical distribution options
- Custom LED color combinations available
- Optical accessories for glare control
- White, silver, and black standard powder coated body colors
- Custom body colors available on demand
- ELV (48VDC), INF (380VDC) and AC (120-277VAC) input options
- Range of bracket lengths and mounting options

### SPECIFICATION LOGIC: FL50 - IM (INNER MIXING)

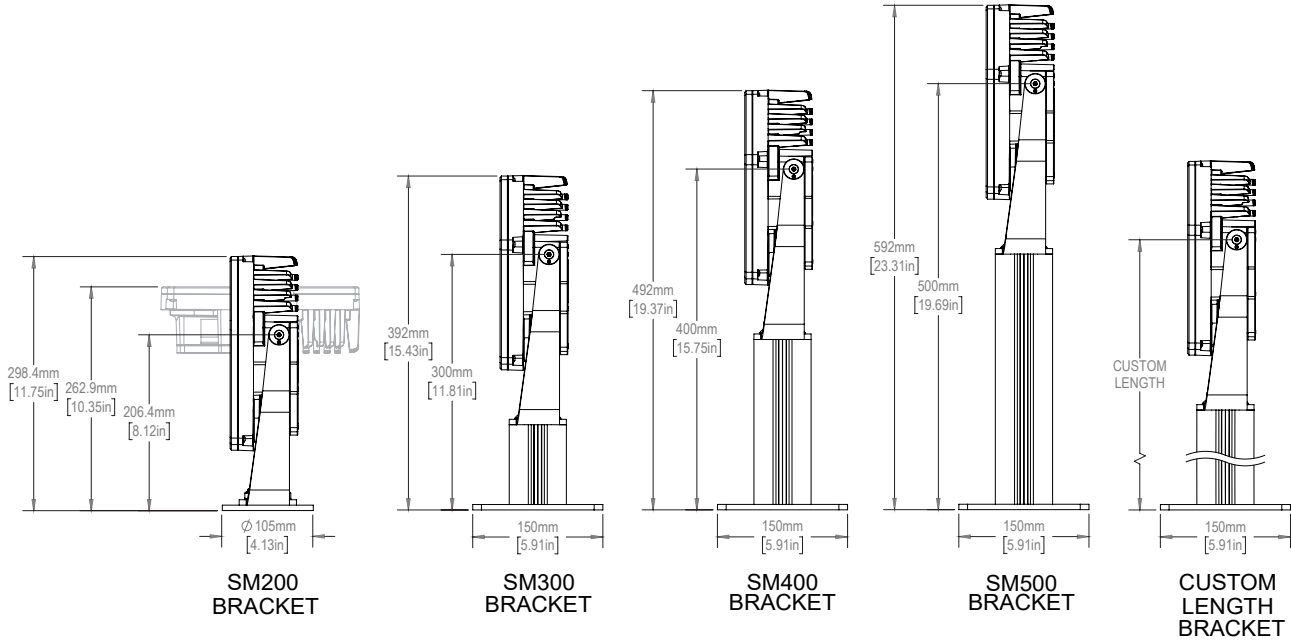
FAMILY	BODY COLOR	LED COLOR	OPTICS(FWHM)*	VOLTAGE	MOUNTING OPTION
FL50	WH - White Matte Powder Coated	RGBA-IM	10 - 10°x10°	ELV - 48VDC	<b>SM70</b> - Low Profile Surface Mount 70mm <sup>1</sup> <b>SM200</b> - Surface Mount 200mm <b>SM300</b> - Surface Mount 300mm <sup>1</sup> <b>SM400</b> - Surface Mount 400mm <sup>1</sup> <b>SM500</b> - Surface Mount 500mm <sup>1</sup> <b>SMXXX</b> - Surface Mount Custom <sup>2</sup> (specify length) <b>TM200</b> - Tenon Mount 200mm <sup>1</sup> <b>AA-SM200</b> - 90 Degree Angle Adapter Bracket <b>PM 6</b> - Pole Mount (5.25-6in pole) <sup>1</sup> <b>PM 6.75</b> - Pole Mount (6-6.75in pole) <sup>1</sup>
	SR - Silver Matte Powder Coated	RGBW30K-IM	20 - 20°x20°	INF - 380VDC	
	BL - Black Matte Powder Coated	RGBW65K-IM	30 - 30°x30°	AC277 - 120-277VAC	
	CUST - Custom Color <sup>1</sup>		40 - 40°x40°		
			60 - 60°x60°		
			80 - 80°x80°		
			90 - 90°x90°		
			10x40 - 10°x40° H		
			40x10 - 40°x10° V		
			10x60 - 10°x60° H		
			60x10 - 60°x10° V		
			30x60 - 30°x60° H		
			60x30 - 60°x30° V		

### PRODUCT CONFIGURATION

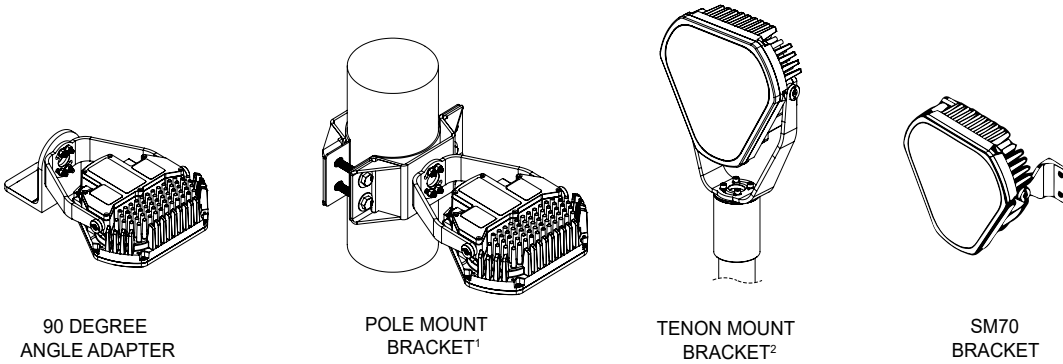
1. Non-standard option and may require longer lead time than usual.  
 2. Bracket lengths longer than 500mm may not be available for some applications. Contact factory for details.

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

## FL50 STANDARD MOUNTING BRACKET OPTIONS



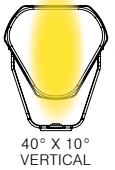





## FL50 ADDITIONAL MOUNTING BRACKET OPTIONS



**NOTE:** 1. Available for pole diameters 5.25-6" (134-153mm) and 6-6.75" (154-171mm).  
2. Available for tenon diameters 2-2.5" (50-64mm).

## RGBW/RGBA Inner Mixing Architectural Spot and Floodlight

## PRODUCT SPECIFICATION SHEET

PRODUCT SPECIFICATIONS: FL50 - IM (INNER MIXING)					
ELECTRICAL	Rated Input Voltage	48VDC	380VDC	120-277VAC	
	Power Consumption (max.)	50W	60W	60W	
OPTICAL	Light Source	12 x High Power 4 in 1 LEDs			
	CRI	70			
	Output (typical) 10° <sup>1</sup> COLOR-AMP™	Color	Wave Length (nm)	Luminous Flux (lm)	
		Red	617	1,024	
		Green	520	1,741	
		Blue	453	503	
		Amber		1,186	
		White - 3000K		2,355	
		White - 6500K		2,997	
	All On - 6500K		2,154		
Optics	High optical efficiency PMMA TIR Lens, Micro Lense Film, Tempered Glass Cover				
Beam Angle (FWHM)	10 (10°x10°), 20 (20°x20°), 30 (30°x30°), 40 (40°x40°), 60 (60°x60°), 80 (80°x80°), 90 (90°x90°), 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)	229 x 251 x 78 mm (9.0 x 9.9 x 3.1 in)			
	Weight	4.5 kg (9.9 lbs)			
	Housing	ASTM B117 marine grade 3000h compliant powder coated, low copper, die cast aluminum alloy			
	Rated Operation Temperature	-40°C (-40°F) to +50°C (122°F)			
	Environment	Dry, Damp or Wet Locations, 0-100% humidity			
CERTIFICATION & SAFETY	Listings	RoHS, REACH			
	IEC Classifications	Class I Luminaire			
	   			Constructed to meet requirements outlined in UL1598 & IEC60598	

1. Luminous flux may vary by optical distribution.

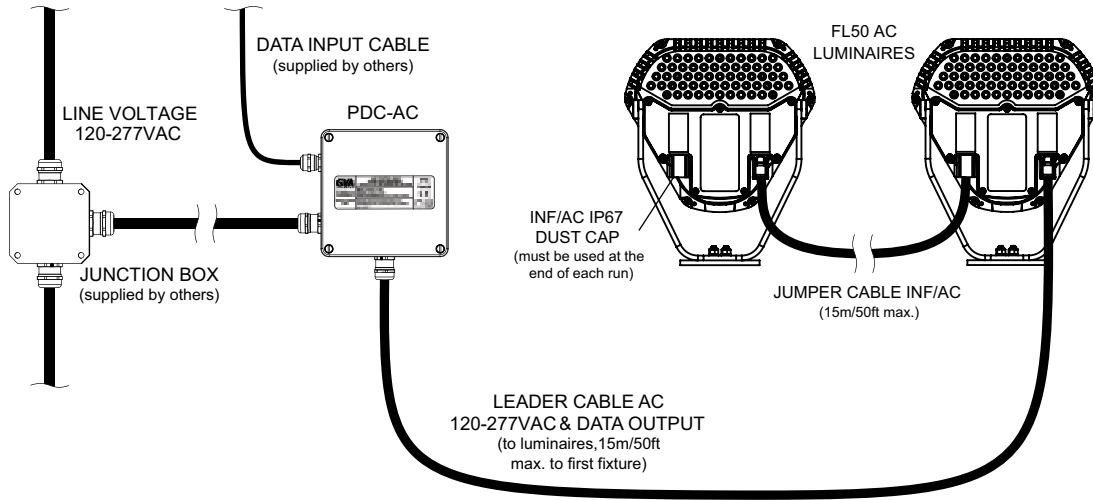
These figures are subject to change due to further development and innovations of LED light sources.

## RGBW/RGBA Inner Mixing Architectural Spot and Floodlight

PRODUCT SPECIFICATION SHEET

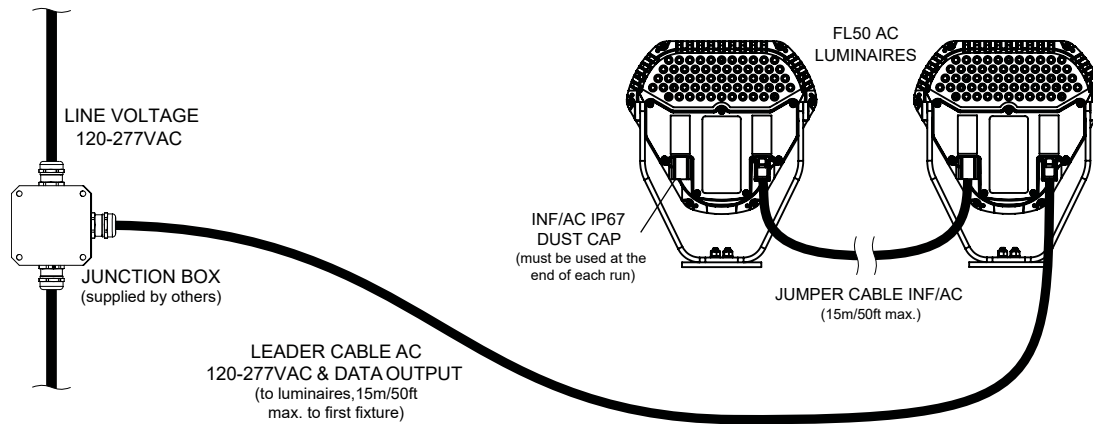
### TYPICAL SYSTEM DIAGRAM: AC (WITH CONTROL)

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



### 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.

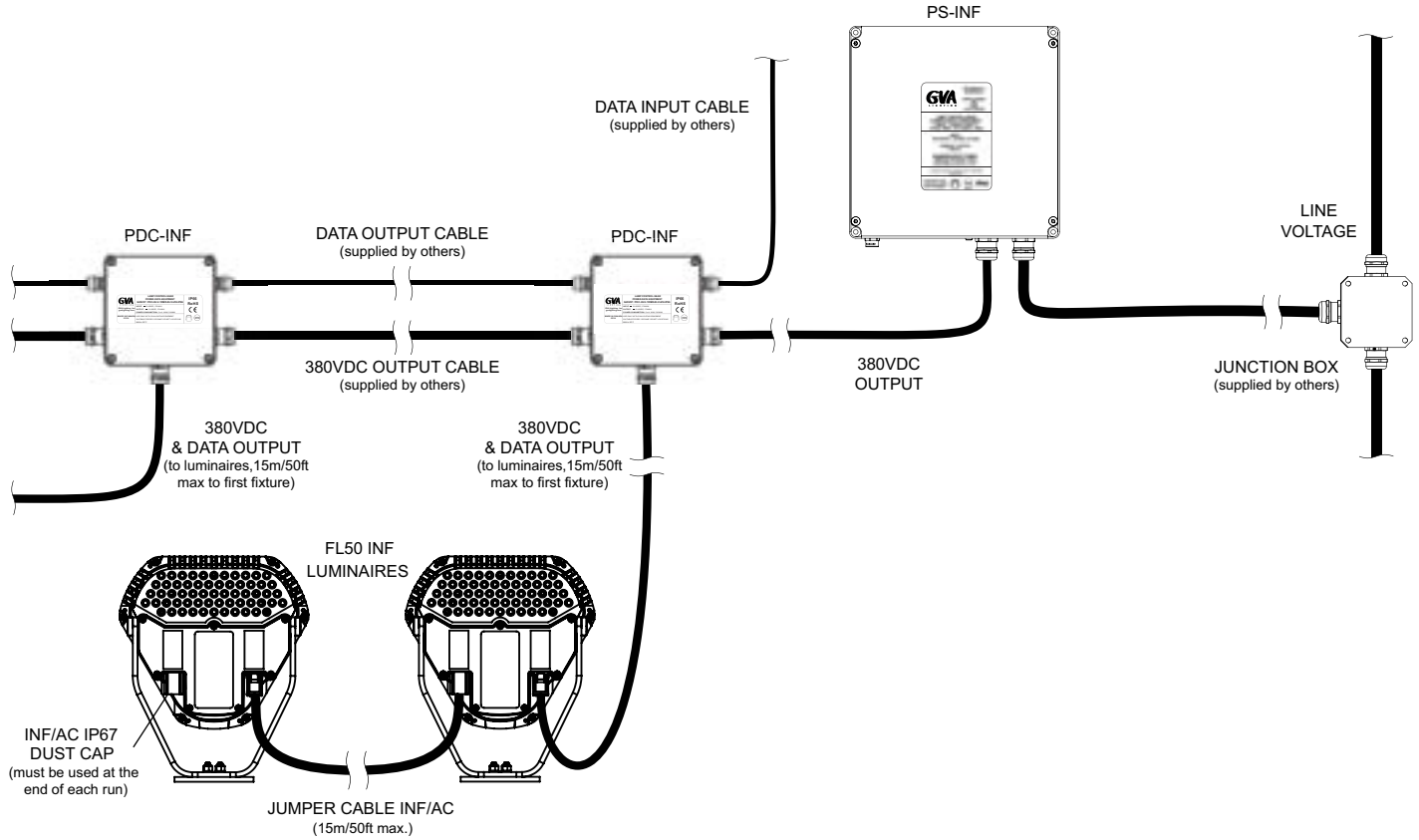


## RGBW/RGBA Inner Mixing Architectural Spot and Floodlight

## PRODUCT SPECIFICATION SHEET

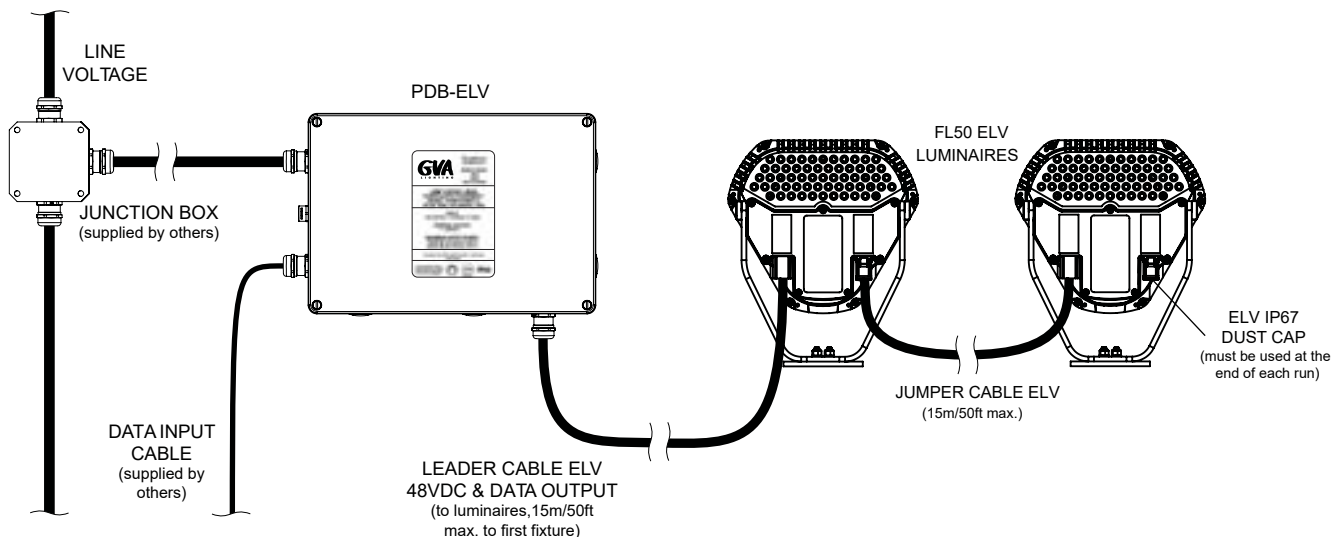
### TYPICAL SYSTEM DIAGRAM: INFINITY® (WITH CONTROL)

**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.



# FL50™

INFINITY®  
GVA TECHNOLOGY

COLOR-AMP®  
GVA TECHNOLOGY

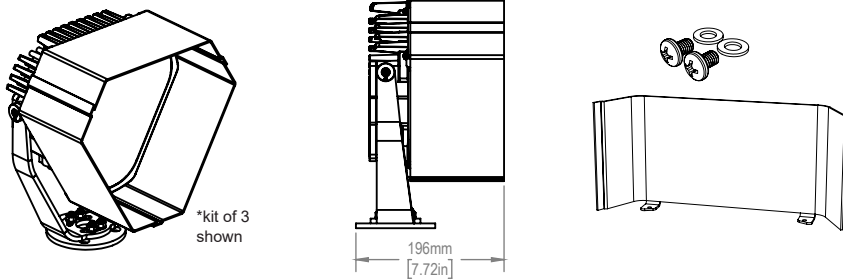
GVA  
LIGHTING

## RGBW/RGBA Inner Mixing Architectural Spot and Floodlight

## PRODUCT SPECIFICATION SHEET

### ORDERING LOGIC: ACCESSORIES

#### VISORS

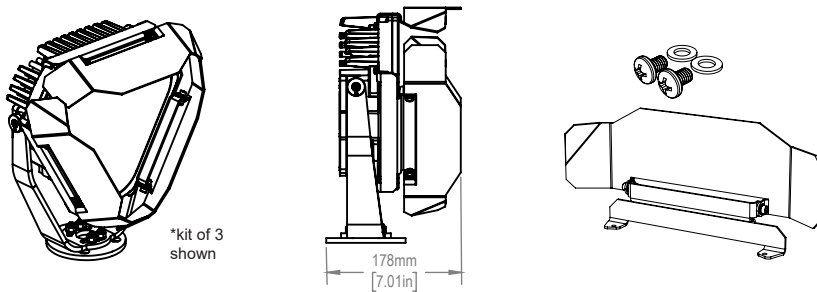


\*kit of 3 shown

COLOR	KIT OF 1	KIT OF 2	KIT OF 3
White Matte	124760	124764	124768
Silver Matte	124761	124765	124769
Black Matte	122229	122232	122235
Custom Color	124763	124767	124771

\* kit includes mounting hardware

#### BARN DOORS



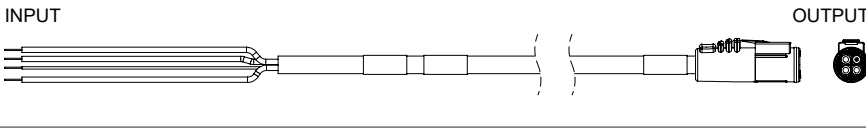
\*kit of 3 shown

COLOR	KIT OF 1	KIT OF 2	KIT OF 3
White Matte	124672	124712	124728
Silver Matte	124673	124713	124729
Black Matte	122238	122241	122244
Custom Color	124675	124715	124731

\* kit includes mounting hardware

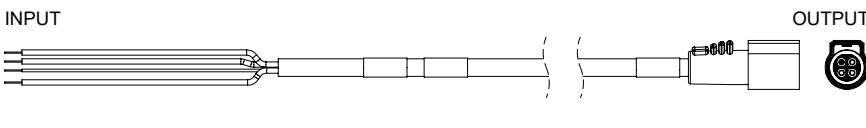
### ORDERING LOGIC: FL MOUNTING ACCESSORIES

#### FL LEADER CABLE ELV



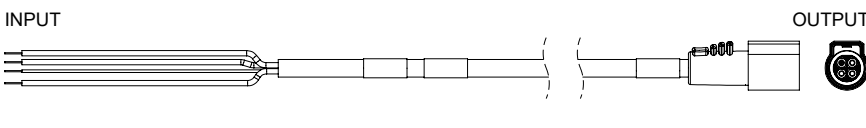
NOMINAL LENGTH	PART NUMBER	WEIGHT
3.0 m (9 ft)	141481	420 g (0.93 lbs)
6.0 m (19 ft)	141484	815 g (1.80 lbs)
9.0 m (30 ft)	141487	1210 g (2.67 lbs)
15.0 m (50 ft)	141489	2000 g (4.41 lbs)
30.0 m (100 ft)	141492	3975 g (8.76 lbs)

#### FL LEADER CABLE INF



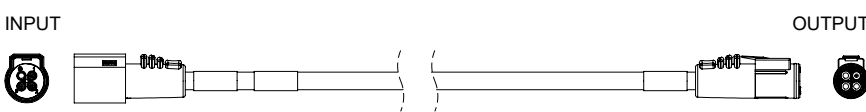
NOMINAL LENGTH	PART NUMBER	WEIGHT
3.0 m (9 ft)	141495	420 g (0.93 lbs)
6.0 m (19 ft)	141498	815 g (1.80 lbs)
9.0 m (30 ft)	141501	1210 g (2.67 lbs)
15.0 m (50 ft)	141503	2000 g (4.41 lbs)
30.0 m (100 ft)	141506	3975 g (8.76 lbs)

#### FL LEADER CABLE AC



NOMINAL LENGTH	PART NUMBER	WEIGHT
3.0 m (9 ft)	141509	420 g (0.93 lbs)
6.0 m (19 ft)	141512	815 g (1.80 lbs)
9.0 m (30 ft)	141515	1210 g (2.67 lbs)
15.0 m (50 ft)	141517	2000 g (4.41 lbs)
30.0 m (100 ft)	141520	3975 g (8.76 lbs)

#### FLJUMPER CABLE ELV



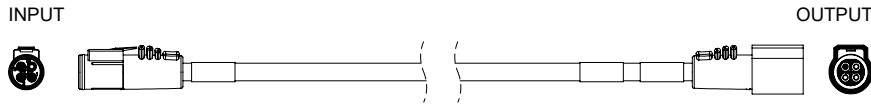
NOMINAL LENGTH	PART NUMBER	WEIGHT
0.3 m (1 ft)	141739	90 g (0.20 lbs)
0.6 m (2 ft)	141740	129 g (0.28 lbs)
0.9 m (3 ft)	141741	169 g (0.37 lbs)
1.2 m (4 ft)	141742	208 g (0.46 lbs)
1.5 m (5 ft)	141743	248 g (0.55 lbs)
1.8 m (6 ft)	141744	287 g (0.63 lbs)
6.0 m (20 ft)	141758	840 g (1.85 lbs)
9.0 m (30 ft)	141768	1235 g (2.72 lbs)

\*Not all jumper lengths are shown. Lengths available in 300mm increments.

## RGBW/RGBA Inner Mixing Architectural Spot and Floodlight

## PRODUCT SPECIFICATION SHEET

### FL JUMPER CABLE INF AND AC



NOMINAL LENGTH	PART NUMBER	WEIGHT
0.3 m (1 ft)	141789	90 g (0.20 lbs)
0.6 m (2 ft)	141790	129 g (0.28 lbs)
0.9 m (3 ft)	141791	169 g (0.37 lbs)
1.2 m (4 ft)	141792	208 g (0.46 lbs)
1.5 m (5 ft)	141793	248 g (0.55 lbs)
1.8 m (6 ft)	141794	287 g (0.63 lbs)
6.0 m (20 ft)	141808	840 g (1.85 lbs)
9.0 m (30 ft)	141818	1235 g (2.72 lbs)

\*Not all jumper lengths are shown. Lengths available in 300mm increments.

### FL CABLE 3X14 AWG + 1X24 AWG



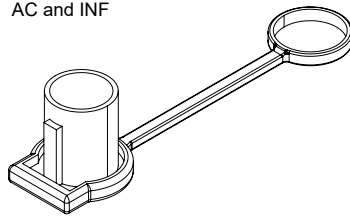
NOMINAL LENGTH	PART NUMBER	WEIGHT
Sold per m	280253	132 g (0.291lbs)

\*Raw cable cut to length. Please specify required length.

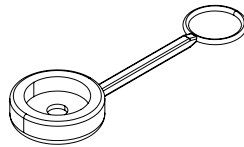
### ORDERING LOGIC: COMMON COMPONENTS

#### FL CONNECTOR DUST CAP, IP67 (MUST BE USED AT THE END OF EACH RUN)

AC and INF



ELV



TYPE	PART NUMBER	WEIGHT
FL-ELV	231182	3.40g / 0.11oz
FL-AC and INF	230855	6.24g / 0.22oz