FL50

INFINITY® GVA TECHNOLOGY COLOR-AMP® GVA TECHNOLOGY

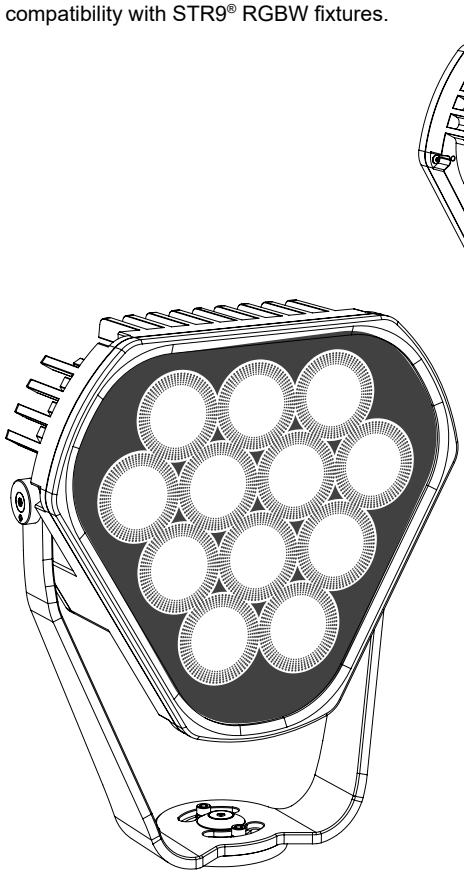
GVA LIGHTING

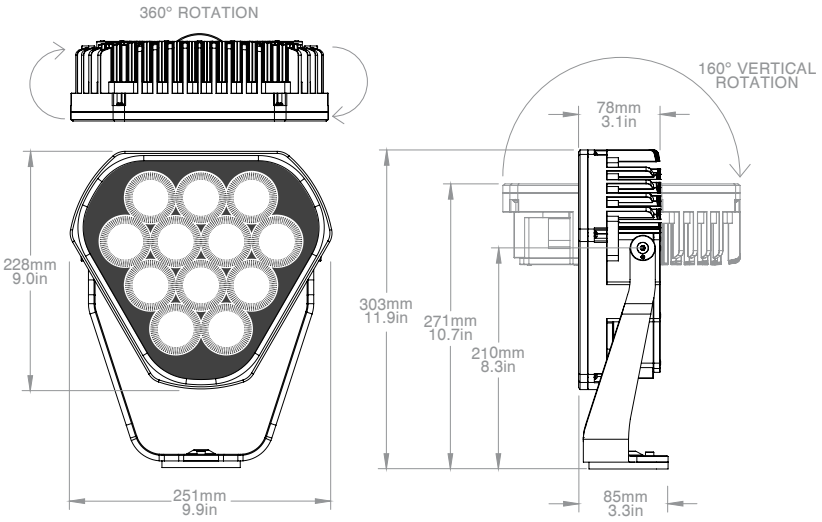
RGBW Inner Mixing Architectural Spot and Floodlight

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)
- IP66 sealed body design
- Plug-and-play with STR9® luminaires
- Color matched with STR9® RGBW linear luminaires
- 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:

- Beam angles ranging from 10° to 90° 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: FL50 RGBW-IM (INNER MIXING)

FAMILY	BODY COLOR	LED COLOR	OPTICS(FWHM)*	VOLTAGE	MOUNTING OPTION
FL50	**BM** - Black Matte Anodized **CM** - Clear Matte Anodized **CUST** - Custom Color[1]	**RGBW65K-IM**	**10** - 10°x10° **20** - 20°x20° **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	**ELV** - 48VDC **INF** - 380VDC **AC277** - 85~277VAC	**SM120** - Surface Mount 120mm[1] **SM200** - Surface Mount 200mm **SM300** - Surface Mount 300mm[1] **SM400** - Surface Mount 400mm[1] **SM500** - Surface Mount 500mm[1] **SMXXX** - Surface Mount Custom[1] (specify length) **TM200** - Tenon Mount 200mm[1] **PM** - Pole Mount[1]

PRODUCT CONFIGURATION

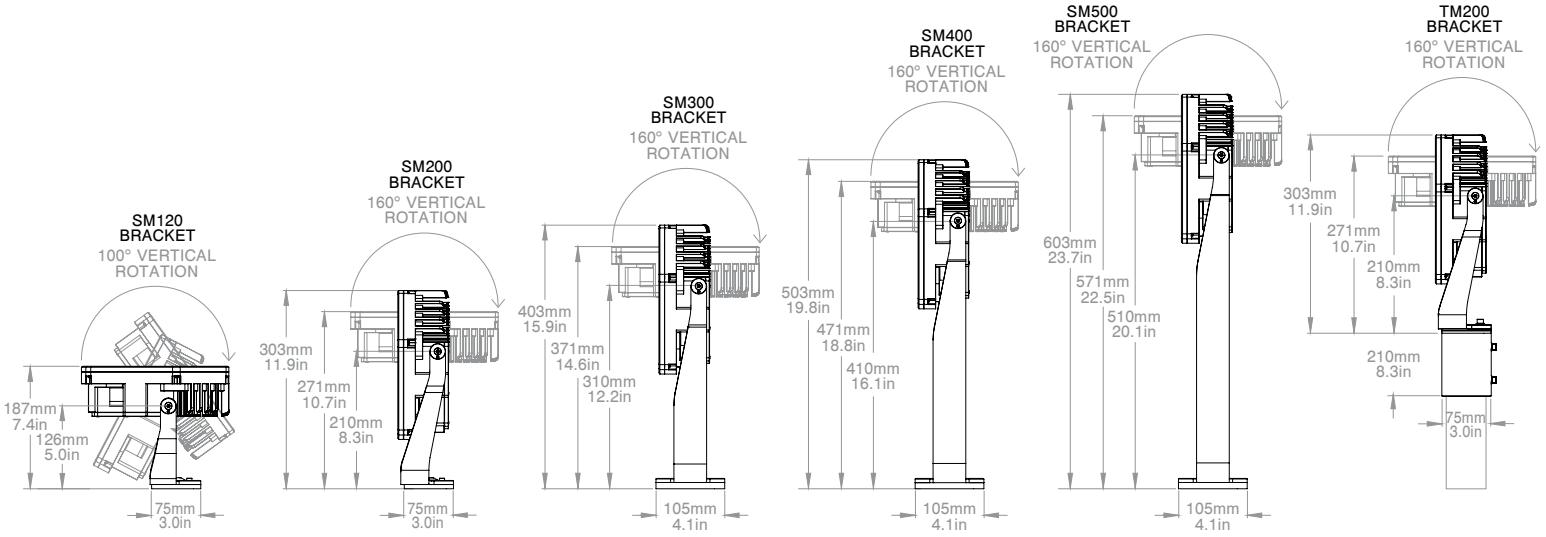
1. Non standard option and might require longer leadtime than usual. Contact factory for details.

Nominal values are used. Actual measurements may differ slightly.

RGBW Inner Mixing Architectural Spot and Floodlight

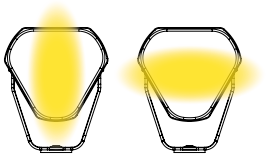
PRODUCT SPECIFICATION SHEET

FL50 MOUNTING BRACKET OPTIONS



PRODUCT SPECIFICATIONS: FL50 RGBW-IM (INNER MIXING)

ELECTRICAL	Rated Input Voltage		48VDC		380VDC		85~277VAC	
	Power Consumption (max.)		50W		60W		70W	
OPTICAL	Light Source	12 x High Power 4 in 1 LEDs						
	CRI	70						
	COLOR-AMP 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	749	13,996	749	13,996	749	13,996
		Green	520	1,224	23,320	1,224	23,320	1,224	23,320
		Blue	453	363	6,133	363	6,133	363	6,133
		White	6700K	2,181	41,695	2,181	41,695	2,181	41,695
	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°), 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	Body Size (HxWxD)	228 x 251 x 78 mm (9.0 x 9.9 x 3.1 in)						
	Weight	3.0 kg (6.6 lbs)						
	Housing	Anodized 6061 Aluminum Alloy						
	Fixture Connections	IP68 Connectors						
	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 1 LED Luminaire						





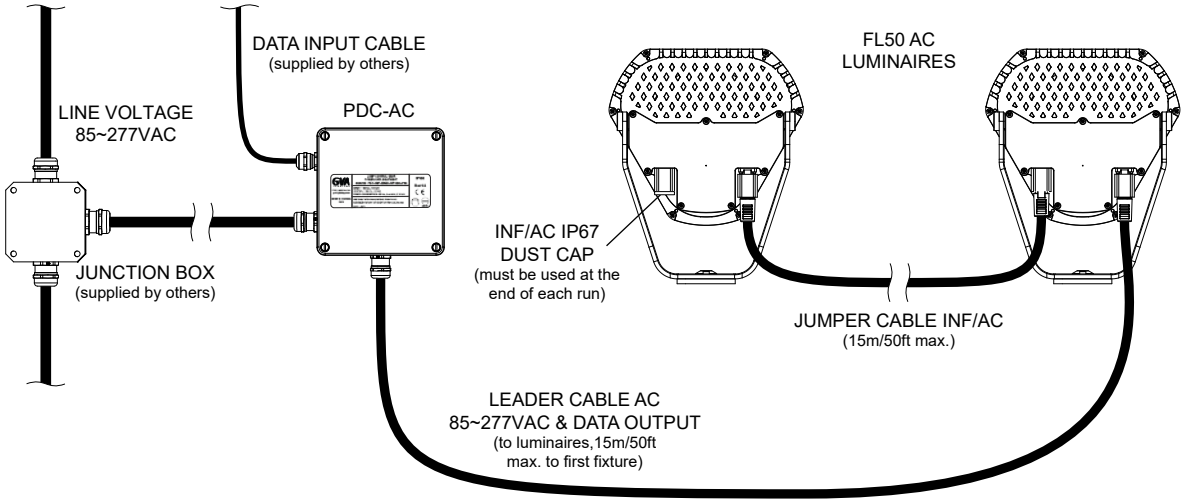
Constructed to meet requirements outlined in UL1598 & IEC60598

Constructed to meet ANSI C136.31 3G Vibration standard for bridge and overpass applications

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

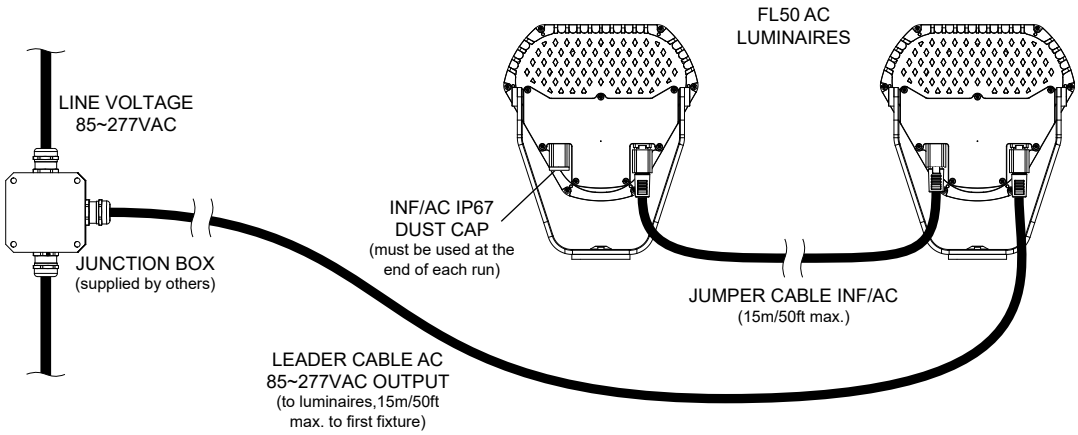
TYPICAL SYSTEM DIAGRAM: AC (WITH CONTROL)

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



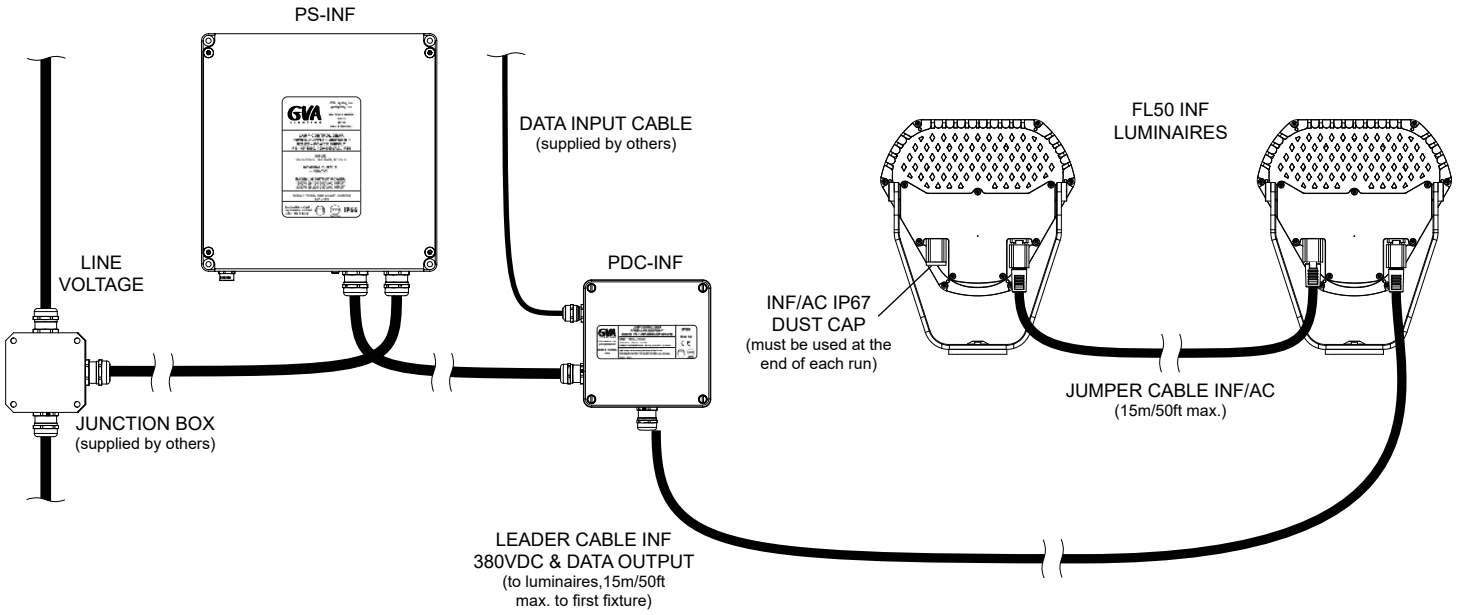
TYPICAL SYSTEM DIAGRAM: AC (WITH NO CONTROL)

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



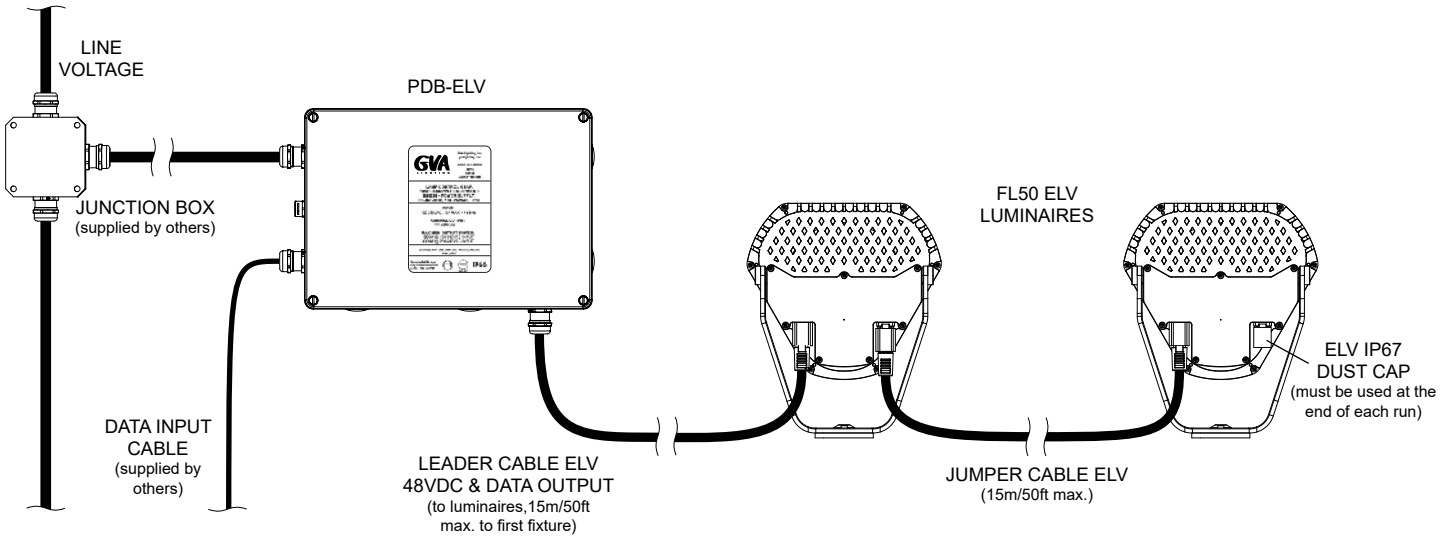
TYPICAL SYSTEM DIAGRAM: INFINITY® (WITH CONTROL)

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



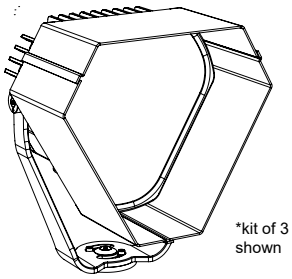
TYPICAL SYSTEM DIAGRAM: ELV (WITH CONTROL)

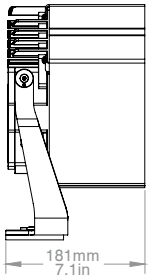
NOTE: Length of leader cables and jumper cables directly affects the maximum number of fixtures in a single run.

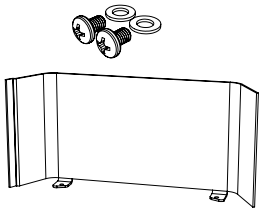


ORDERING LOGIC: ACCESSORIES

VISORS



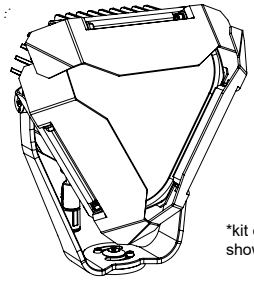


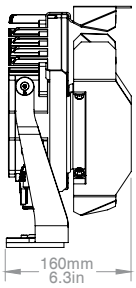


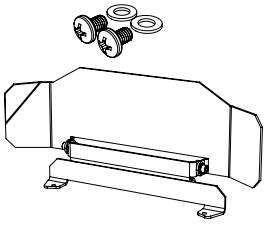
COLOR	KIT OF 1	KIT OF 2	KIT OF 3
Clear Matte Anodized	122228	122231	122234
Black Matte Anodized	122229	122232	122235
Custom Color	122230	122233	122236

* kit includes mounting hardware

BARN DOORS





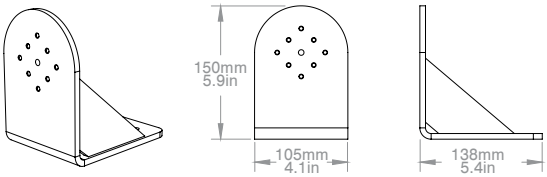


COLOR	KIT OF 1	KIT OF 2	KIT OF 3
Clear Matte Anodized	122237	122240	122243
Black Matte Anodized	122238	122241	122244
Custom Color	122239	122242	122245

* kit includes mounting hardware

ORDERING LOGIC: COMMON ACCESSORIES

90 DEG ANGLE ADAPTERS

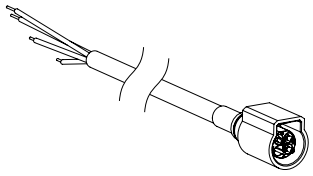


COLOR	PART NUMBERS
Clear Matte Anodized	121718
Black Matte Anodized	121719
Custom Color	121720

* for use with SM300, SM400, or SM500 brackets

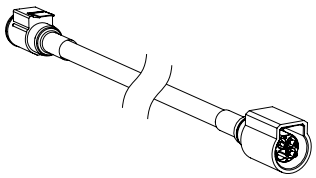
ORDERING LOGIC: COMMON COMPONENTS

LEADER CABLES



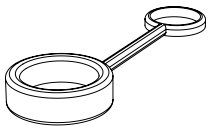
NOMINAL LENGTH	ELV	INF	AC
3m (10ft)	140723	140725	140858
9m (30ft)	140733	140710	140859
15m (50ft)	140724	140726	140860
CUSTOM	140732	140727	140861

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