

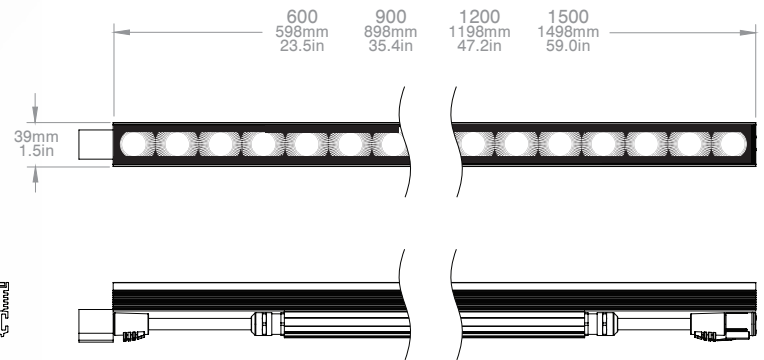
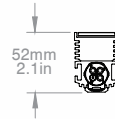
# STR9® SLIM

UNIBODY  
GVA TECHNOLOGY

GVA  
LIGHTING

## Low Profile Monochromatic Linear Wall Washing and Grazing LED Lighting

## PRODUCT SPECIFICATION SHEET



DATE:	
TYPE:	
COMPANY:	
PROJECT:	

### FEATURES:

#### Lighting Performance:

- Up to 3883 delivered lumens/meter (1165 lumens/foot)
- Superior quality of white light, up to a 2 step MacAdam ellipse: excellent LED to LED color consistency and specified color over angle
- Diffusing optical film creates uniform light output immediately adjacent to luminaire
- LED pitch is maintained within and between luminaires (no dark spots between fixtures)
- Color match with STR9® Series and FL100™ Series

#### Mechanical Details:

- Compact size, only 52.1mm (2.05in) high x 38.5mm (1.52in) wide
- IP66 rated with proprietary sealing process and solid extruded, anodized aluminum UNIBODY™ design
- Electronic micro leak detection test performed for each hermetically sealed fixture
- Designed for 3G ANSI C136.31-2010 Vibration standard for Bridge and Overpass Applications
- Optically clear tempered glass lens (no yellowing over time)
- Guaranteed long life time and high performance, no electrolytic capacitors in all DC designs
- Through wiring for end-to-end connection via snap-in connectors

#### Control:

- DMX, DALI or 0~10V dimming through GVA's power-data equipment
- 300mm resolution, each 300mm section can be addressed autonomously, self-addressing fixtures

**Projected Lifetime:** L70 > 150,000hrs @  $t_2=25^{\circ}\text{C}$  (77°F)

**Operating Temperatures:** -40°C to +50°C (-40°F to 122°F)

### OPTIONS:

**Power Source:** Extra Low Voltage (ELV) for short runs, remote power supplies

**Power Options:** 3W, 5W, 7.5W or 10W per 300mm (1ft)

**Nominal Length:** 300mm (1ft), 600mm (2ft), 900mm (3ft), 1200mm (4ft) and 1500mm (5ft) or custom length, please consult factory

**Beam Distribution:** Range of round and elliptical beam angles available

**Body Color:** Black matte and clear matte anodized or custom color

#### Accessories:

- 8 adjustable and 3 non-adjustable mounting brackets
- Glare control louvers

#### LED Color:

- Custom LED color combinations available

### SPECIFICATION LOGIC: STR9® SLIM

FAMILY	NOMINAL LENGTH	BODY COLOR	POWER per 300mm (1ft)	LED COLOR	OPTICS (FWHM)	INPUT VOLTAGE
STR9-SLIM	300	BM - Black Matte Anodized CM - Clear Matte Anodized	3W	2200K <sup>1</sup>	15 - 15° x 15°	ELV - 24VDC or 48VDC <sup>2,3</sup>
	600		5W	2700K	30 - 30° x 30°	
	900		7.5W	3000K	60 - 60° x 60°	
	1200		10W	3500K	80 - 80° x 80°	
	1500			4000K	15x40 - 15° x 40°	
				5000K	15x60 - 15° x 60°	
				6500K	30x60 - 30° x 60°	
				RD - Red		
				AM - Amber		
				GR - Green		
				BL - Blue		
				RB - Royal Blue		
					Other distributions available; consult factory.	

### PRODUCT CONFIGURATION




1 - Custom; consult factory, some restrictions apply

2 - For short/medium runs; 300mm (1ft) addressability for dimming; remote power-data equipment required

3 - For landscape lighting use 24VDC power-data equipment

## Low Profile Monochromatic Linear Wall Washing and Grazing LED Lighting

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PRODUCT SPECIFICATIONS: STR9® SLIM						
Nominal Length		300	600	900	1200	1500
Electrical	Rated Input Voltage	24VDC or 48VDC				
	Power Consumption	3W	3W	6W	9W	12W
		5W	5W	10W	15W	20W
		7.5W	7.5W	15W	22.5W	30W
Optical		10W	10W	20W	30W	40W
	Light Source	6 x High Power LEDs per 300mm (1ft)				
	CRI	Higher than 80				
	Lumen Output (typical) <sup>2</sup>	Input Voltage	Luminous Flux (lm)			
		3W	N/A	N/A	N/A	N/A
		5W	N/A	N/A	N/A	N/A
		7.5W	N/A	N/A	N/A	N/A
Control	Beam Angle (FWHM)	15 (15°x15°), 30 (30°x30°), 60 (60°x60°), 80 (80°x80°), 15x40 (15°x40°), 15x60 (15°x60°), 30x60 (30°x60°)				
	Projected Lumen Maintenance	L70 > 150,000hrs @ t <sub>5</sub> =25°C (77°F)				
	Control Protocol	DMX, DALI or 0~10V control through GVA Power-Data Equipment				
Physical	Size (WxH)	mm	38.5 x 52.1			
		inches	1.52 x 2.05			
	Length	mm	298	598	898	1198
		inches	11.73	23.54	35.35	47.17
	Weight	kg	N/A	N/A	N/A	N/A
		lbs	N/A	N/A	N/A	N/A
	Housing	UNIBODY™ design form solid extruded and machined aluminum and proprietary sealing process, tempered flat glass lens				
	Fixture Connections	IP68 rated input and output snap-in connectors for end-to-end connection (sealed unmated)				
Certification & Safety	Rated Operation Temperature	-40°C to +50°C, -22°F to 122°F				
	Minimum Starting Temperature	-30°C, -22°F				
	Environment	Dry, Damp or Wet Locations, 0-100% humidity				
	IES Classifications	Class 1 LED Luminaire				
		   CE Certified QPS Field Inspection RoHS Compliant Designed for 3G ANSI C136.31-2010 Vibration standard for Bridge and Overpass Applications Constructed to meet requirements outlined in UL1598 & IEC60598 Electronic micro-leak detection test performed on all fixtures to ensure hermetic seal				

1 - Custom configuration, consult factory

2 - Measured with 4000K. 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.

## SELECTING LUMINAIRE VOLTAGE

## 24VDC

- for short runs only, up to 13.8m (46ft)
- use when class 2 circuit is required

## 48VDC

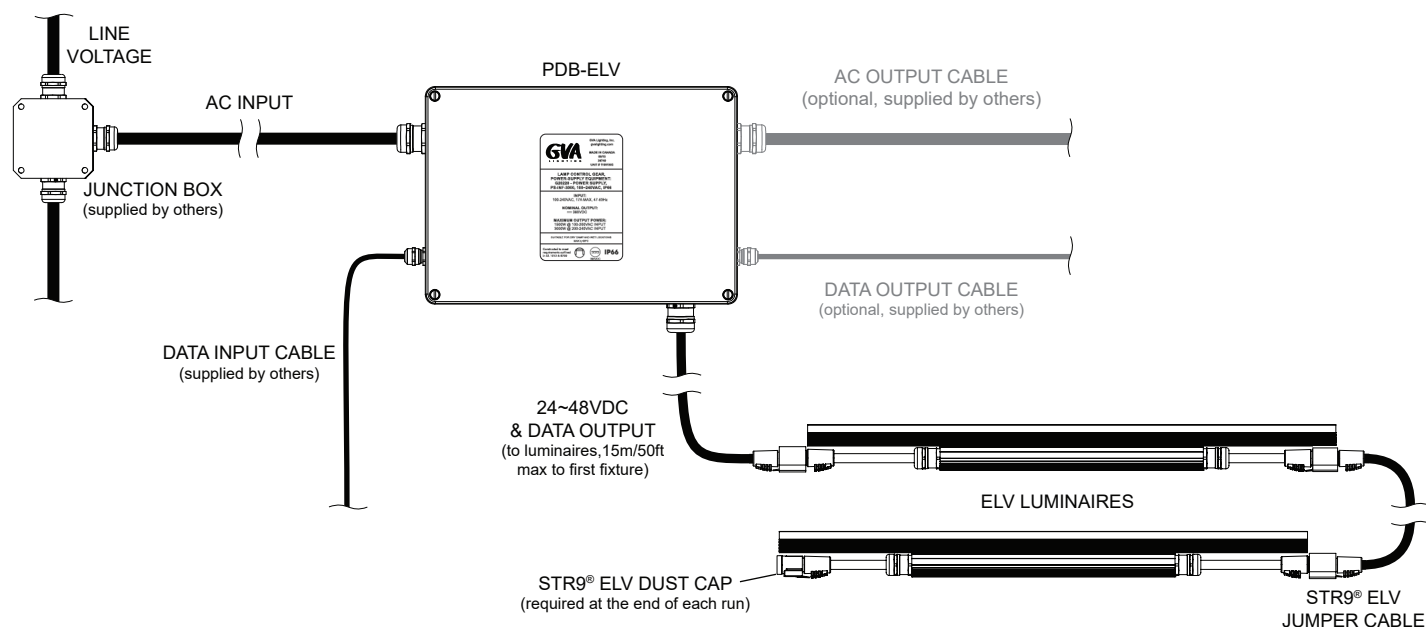
- for any short and medium length run, up to 34.5m (115ft)

## MAXIMUM RUN LENGTHS

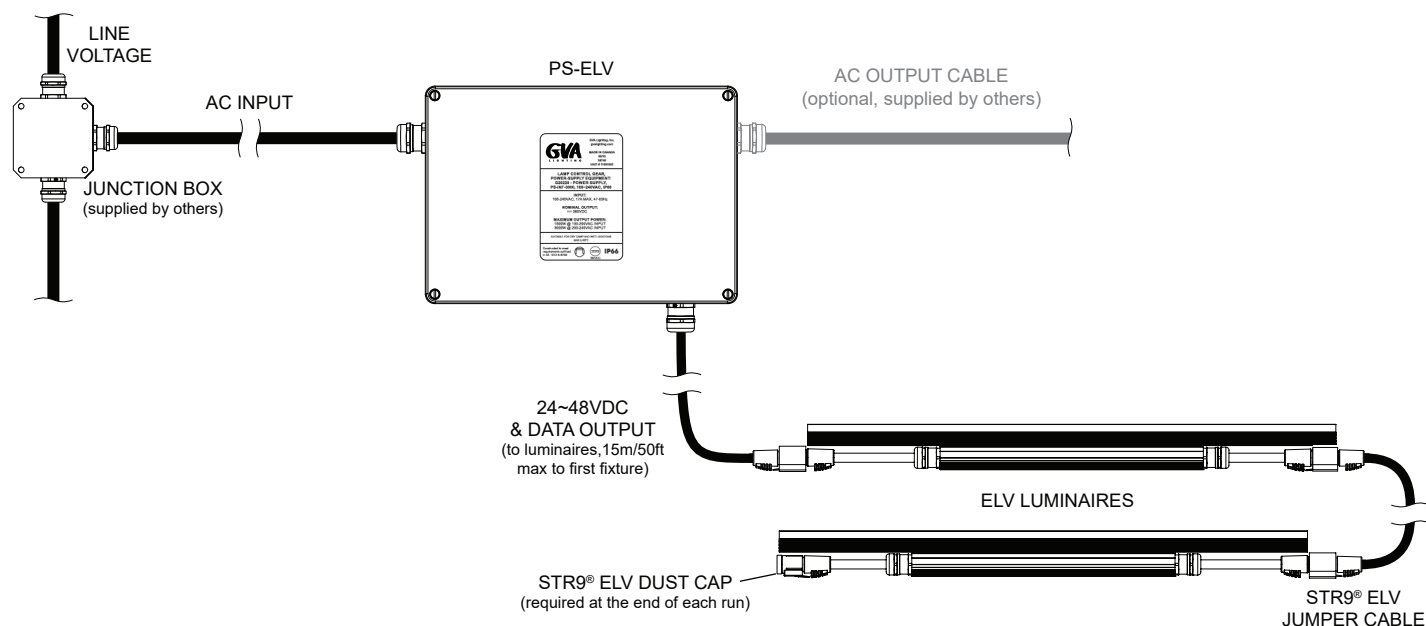
	3W	5W	7.5W	10W
24VDC	N/A	13.8m (46ft)	N/A	12m (40ft)
48VDC	N/A	34.5m (115ft)	N/A	24m (80ft)

Ratings are for 30°C, de-rating will be used for higher ambient temperatures

## TYPICAL SYSTEM DIAGRAM: ELV WITH CONTROL



## TYPICAL SYSTEM DIAGRAM: ELV WITHOUT CONTROL

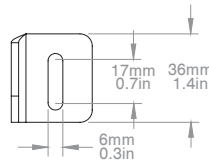
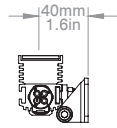


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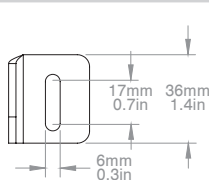
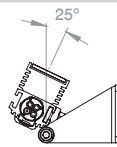
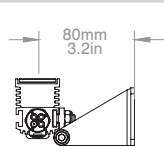
## ORDERING LOGIC: STR9® MOUNTING ACCESSORIES

## WXX - ADJUSTABLE WALL MOUNT BRACKET KIT



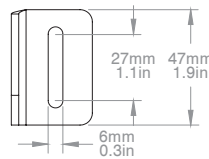
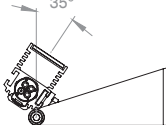
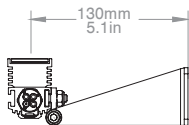
## W40 ADJUSTABLE WALL MOUNT

COLOR	PART NUMBER
Clear Matte Anodized	121128
Black Matte Anodized	121129



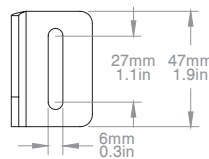
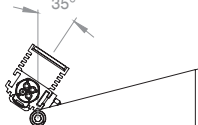
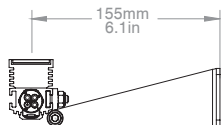
## W80 ADJUSTABLE WALL MOUNT

COLOR	PART NUMBER
Clear Matte Anodized	121130
Black Matte Anodized	121131



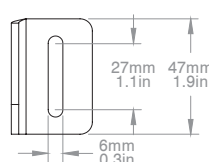
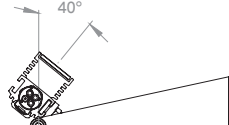
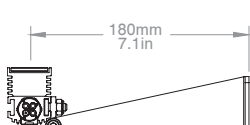
## W130 ADJUSTABLE WALL MOUNT

COLOR	PART NUMBER
Clear Matte Anodized	121132
Black Matte Anodized	121133



## W155 ADJUSTABLE WALL MOUNT

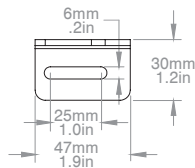
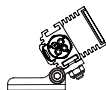
COLOR	PART NUMBER
Clear Matte Anodized	121134
Black Matte Anodized	121135



## W180 ADJUSTABLE WALL MOUNT

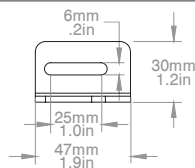
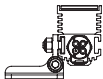
COLOR	PART NUMBER
Clear Matte Anodized	121136
Black Matte Anodized	121137

## SMA-I - INSIDE ADJUSTABLE SURFACE MOUNT BRACKET KIT



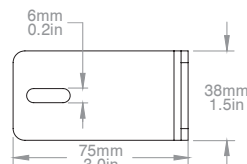
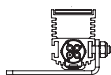
COLOR	PART NUMBER
Clear Matte Anodized	121138
Black Matte Anodized	121139

## SMA-O - OUTSIDE ADJUSTABLE SURFACE MOUNT BRACKET KIT



COLOR	PART NUMBER
Clear Matte Anodized	121825
Black Matte Anodized	121826

## SML - SURFACE MOUNT BRACKET KIT, NON-ADJUSTABLE



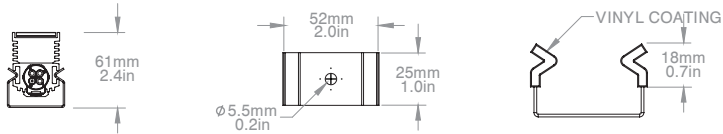
COLOR	PART NUMBER
Clear Matte Anodized	121140
Black Matte Anodized	121141

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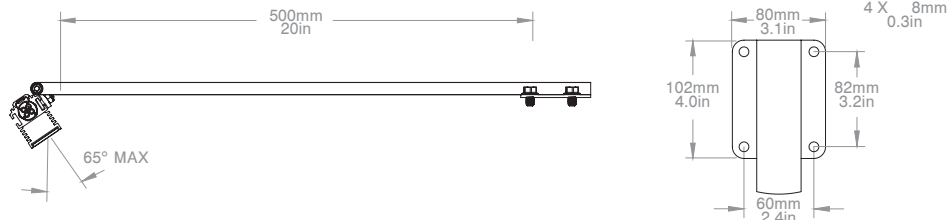
## ORDERING LOGIC: STR9® MOUNTING ACCESSORIES

## CLP - CLIP MOUNT KIT, NON-ADJUSTABLE



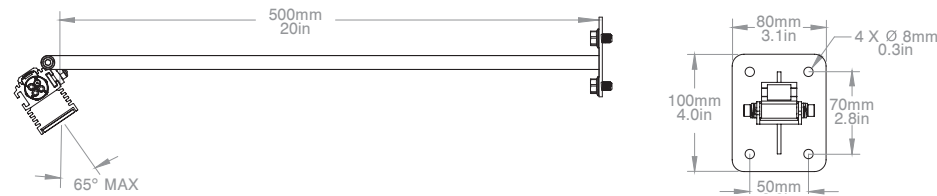
COLOR	PART NUMBER
Stainless Steel	121147

## CTLX- ADJUSTABLE CANTILEVER BRACKET



## CTLH - HORIZONTAL MOUNTING BRACKET

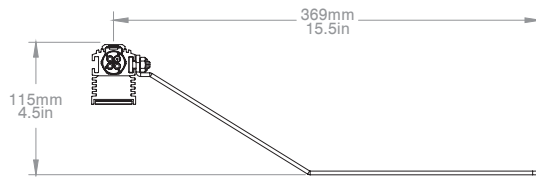
COLOR	PART NUMBER
Clear Matte Anodized	121142
Black Matte Anodized	121143



## CTLV - VERTICAL MOUNTING BRACKET

COLOR	PART NUMBER
Clear Matte Anodized	121144
Black Matte Anodized	121145

## MCD - CANTILEVER BRACKET, NON-ADJUSTABLE

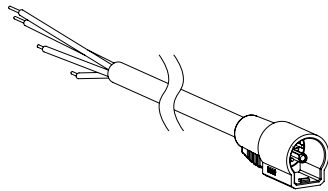


## MCD

COLOR	PART NUMBER
Stainless Steel	121146

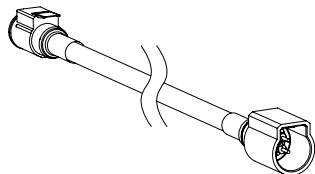
## ORDERING LOGIC: COMMON COMPONENTS

## STR9® LEADER CABLE ELV



NOMINAL LENGTH	PART NUMBER
3m (10ft)	140723
9m (30ft)	140733
15m (50ft)	140724
CUSTOM	140732

## STR9® JUMPER CABLE ELV



NOMINAL LENGTH	PART NUMBER
0.9m (3ft)	140729
1.8m (6ft)	140730
3.6m (12ft)	140731
CUSTOM	140728

## STR9® CONNECTOR DUST CAP, IP67 (must be used at the end of each run)

TYPE	PART NUMBER
STR-ELV	231182

## ORDERING LOGIC: POWER SUPPLIES &amp; POWER DATA CONVERTORS

## ELV POWER SUPPLIES

FAMILY	OUTPUT VOLTAGE			POWER (Watts)		INPUT VOLTAGE	CONSTRUCTION
PS	ELV24			60	240	120~277V AC	IP30 - Indoor IP66 - Outdoor
				100	320		
	ELV48			240	480		
				320	640		
FAMILY	OUTPUT VOLTAGE	POWER (Watts)		CONTROL INPUT	OUTPUT	INPUT VOLTAGE	CONSTRUCTION
PDB	ELV24	60	240	0~10V	ELV+ZH - ELV Power & ZH Data	120~277V AC	IP30 - Indoor IP66 - Outdoor
		100	320	DALI			
	ELV48	240	480	DMX			
		320	640				