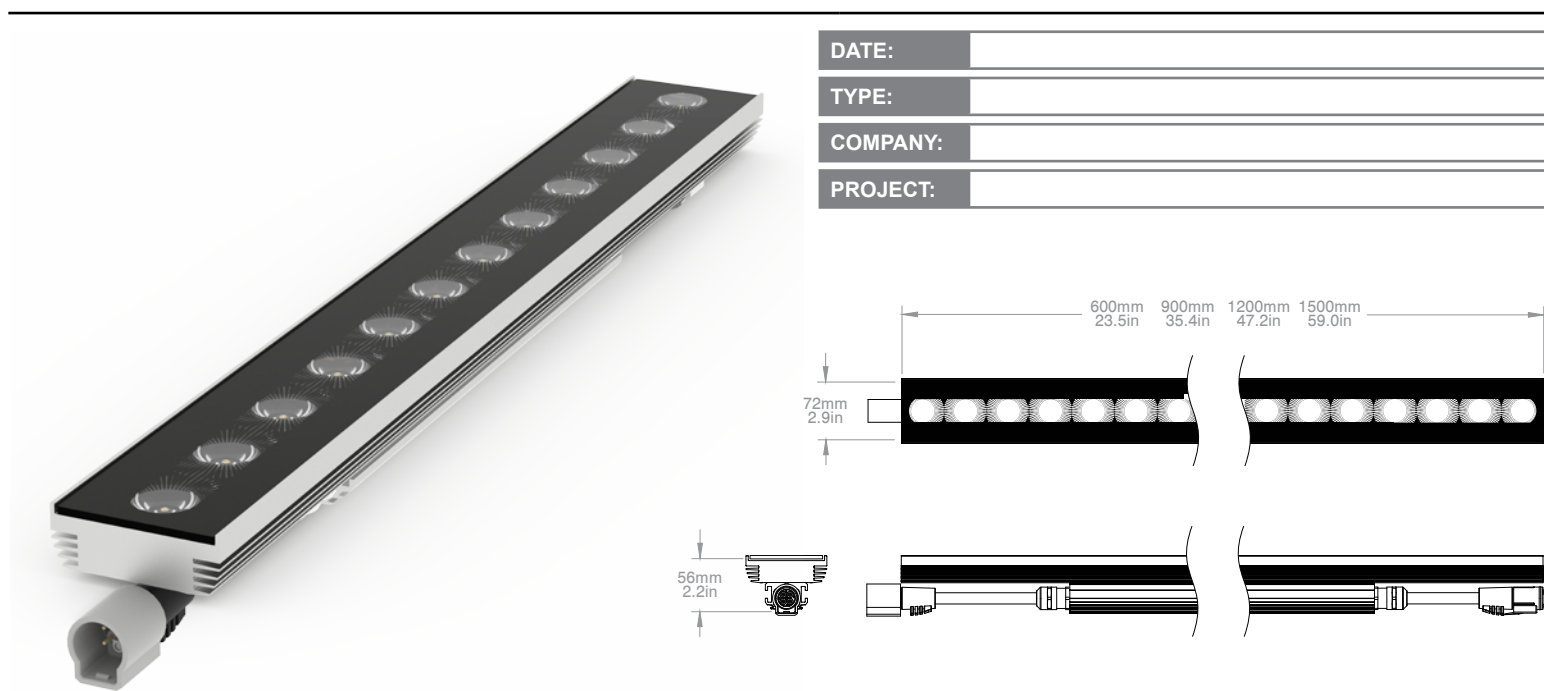


Monochromatic Linear Wall Washing and Grazing LED Lighting

PRODUCT SPECIFICATION SHEET



DATE:	
TYPE:	
COMPANY:	
PROJECT:	

FEATURES:

- Up to 4000 delivered lumens/meter (1200 lumens/foot)
- Superior quality of white light: 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)
- DMX, DALI or 0~10V dimming through GVA's power-data equipment
- Through wiring for end-to-end connection via snap-in connectors
- Compact size, only 56mm (2.20in) high x 72mm (2.83in) wide
- Four standard nominal lengths: 600mm (2ft), 900mm (3ft), 1200mm (4ft) and 1500mm (5ft)
- IP66 rated with UNIBODY™ design & proprietary sealing process
- Meets 3G ANSI C136.31-2010 Vibration standard for Bridge and Overpass Applications
- Projected lifetime: L70 >150,000hrs @ 25°C/77°F
- Operating temperature -40°C to +50°C, -40°F to 122°F
- Optically clear tempered glass lens (no yellowing over time)
- 8 adjustable and 3 non-adjustable mounting brackets
- Guaranteed long life time and high performance, no electrolytic capacitors in all DC designs

OPTIONS:

- INFINITY® Technology for exceptionally long runs from a single power source
- Power Options: 5W (ASHRAE/IESNA), 10W, or 15W per 300mm (1ft)
- Custom lengths: 300' or 1800'
- Glare control louvers
- Custom LED color combinations
- Non-standard beam distributions available
- Maximum lumen output adjustable during commissioning

SPECIFICATION LOGIC: STR9® MONO

FAMILY	NOMINAL LENGTH	BODY COLOR	POWER (per 300mm/1ft)	LED COLOR	OPTICS (FWHM)	INPUT VOLTAGE
STR9	300' 600 900 1200 1500 1800'	BM - Black Matte Anodized CM - Clear Matte Anodized	5W 10W 15W	2200K ¹ 2700K 3000K 3500K 4000K 5000K 6500K RD - Red AM - Amber GR - Green BL - Blue RB - Royal Blue	8 - 8°x8° 10 - 10°x10° 15 - 15°x15° 30 - 30°x30° 60 - 60°x60° 80 - 80°x80° 10x30 - 10°x30° 10x60 - 10°x60° 30x60 - 30°x60° Other Distributions available. Consult Factory	ELV - 24VDC or 48VDC ^{2,3} INF - 380VDC ⁴

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
 4 - For long runs; full luminaire addressability for dimming; remote INFINITY® power-data equipment required

Monochromatic Linear Wall Washing and Grazing LED Lighting

PRODUCT SPECIFICATION SHEET

PRODUCT SPECIFICATIONS: STR9® MONO								
Nominal Length			300'	600	900	1200	1500	1800'
Electrical	Rated Input Voltage	24VDC, 48VDC or 380VDC						
	Power Consumption (maximum)	5W	5W	10W	15W	20W	25W	30W
		7.5W	10W	20W	30W	40W	50W	60W
Optical		15W	15W	30W	45W	60W	75W	90W
	Light Source	6 x Nichia 219 LEDs per 300mm/1ft						
	CRI	83						
	Lumen Output (typical) ²	5W	420	840	1260	1680	2100	2520
		7.5W	841	1682	2523	3364	4205	5046
	15W	1261	2522	3783	5044	6305	7566	
	Beam Angle (FWHM)	10°, 30°, 60°, 80°, 10°x60°, 30°x60°						
Control	Control Protocol	DMX, DALI or 0~10V control through GVA Power-Data Equipment						
Physical	Size (WxH)	mm	72.0 x 56.4					
		inches	2.83 x 2.22					
	Length	mm	298	598	898	1198	1498	1798
		inches	11.7	23.5	35.4	47.2	59.0	70.8
	Weight	kg	N/A	N/A	N/A	N/A	N/A	N/A
		lbs	N/A	N/A	N/A	N/A	N/A	N/A
	Housing	Solid extruded aluminum IP66 rated UNIBODY™, tempered flat glass lens						
	Fixture Connections	IP68 rated input and output snap-in connectors for end-to-end connection (sealed unmated)						
	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							
Certification & Safety	IES Classifications	Class 1 LED Luminaire						
	   							

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
- use when class 2 circuit is required

48VDC

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

380VDC

- for long runs, up to 325.5m/1085ft
- compatible with data center power grids
- compatible with solar and wind power

MAXIMUM RUN LENGTHS

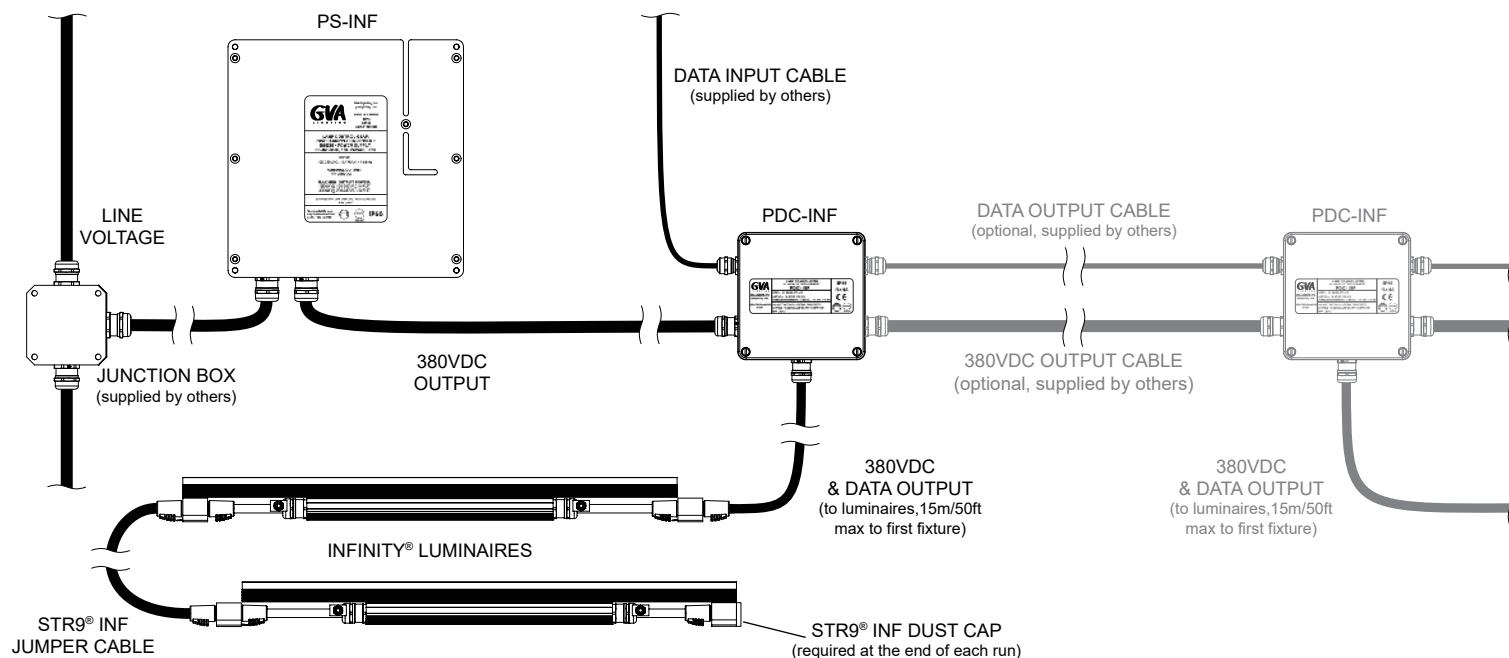
Input Voltage	Power Per 300mm (1ft)		
	5W	10W	15W
24VDC	13.8m/46ft	12m/40ft	6m/20ft
48VDC	34.5m/115ft	24m/80ft	12m/40ft
380VDC	325.5m/1085ft	225m/750ft	117m/390ft

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

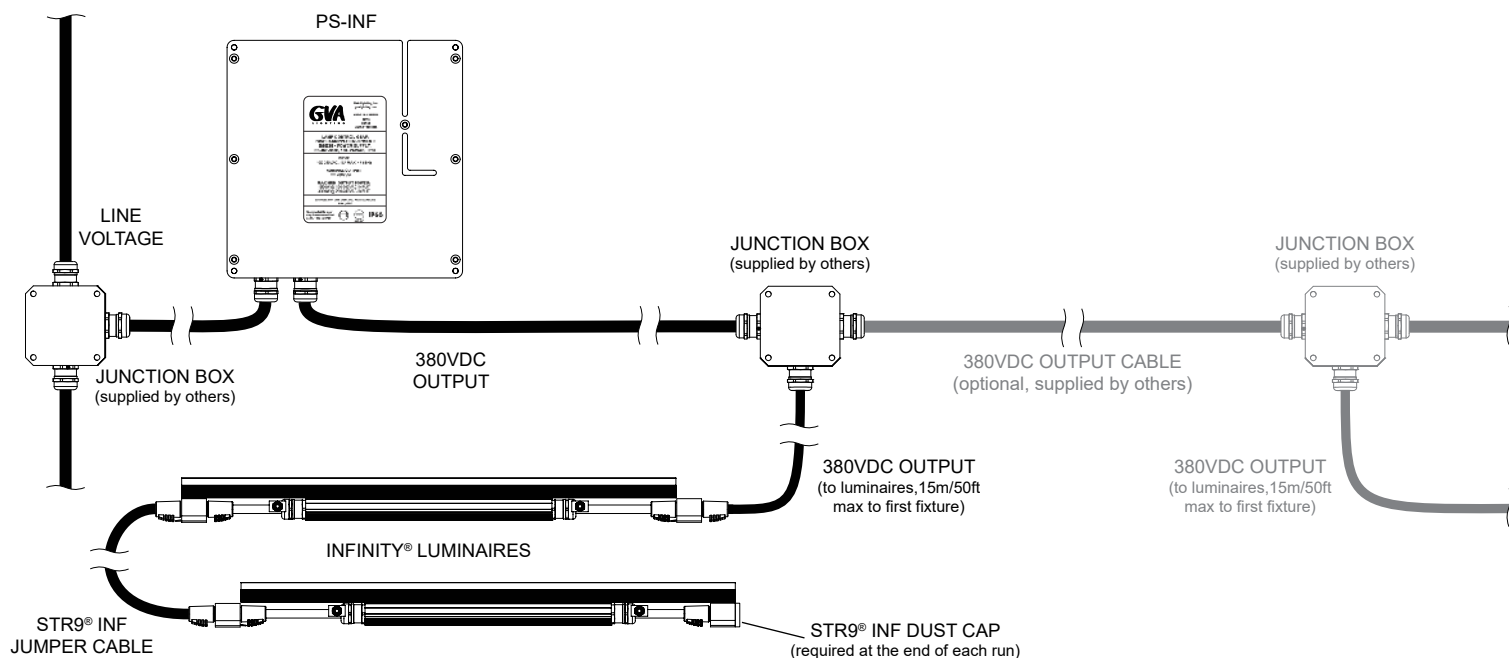
Monochromatic Linear Wall Washing and Grazing LED Lighting

PRODUCT SPECIFICATION SHEET

TYPICAL SYSTEM DIAGRAM: INFINITY® WITH CONTROL



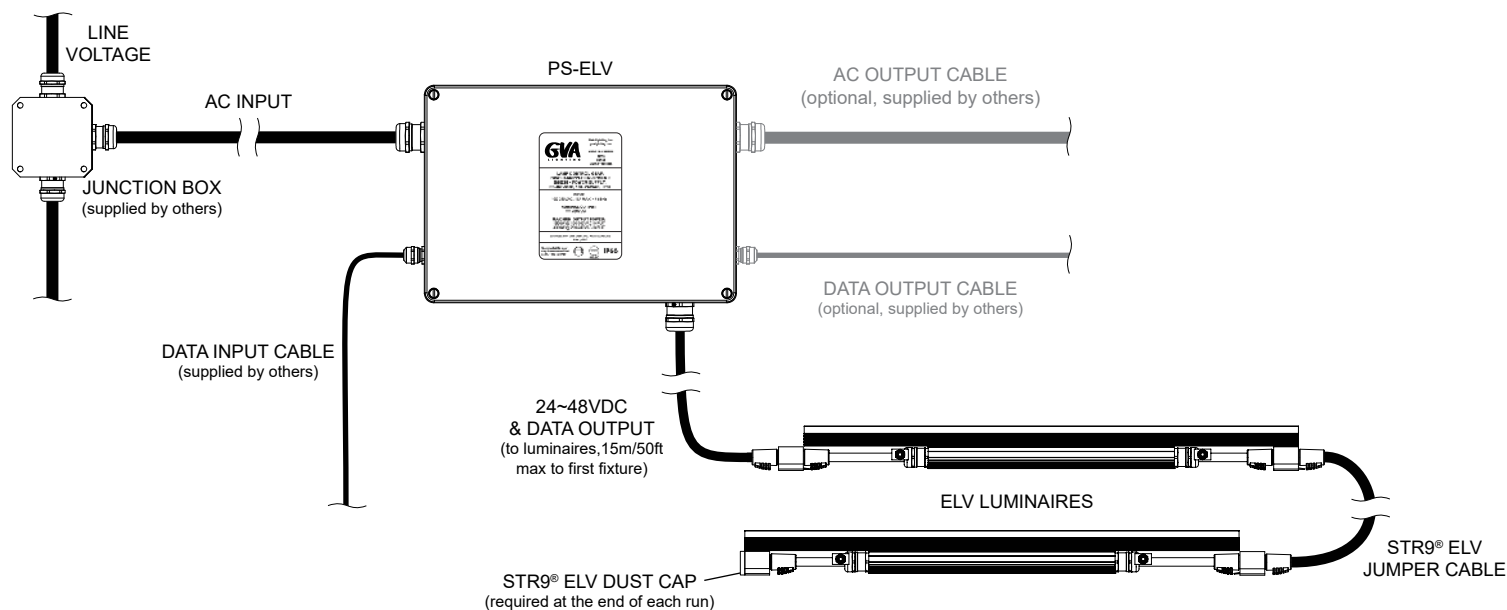
TYPICAL SYSTEM DIAGRAM: INFINITY® WITHOUT CONTROL



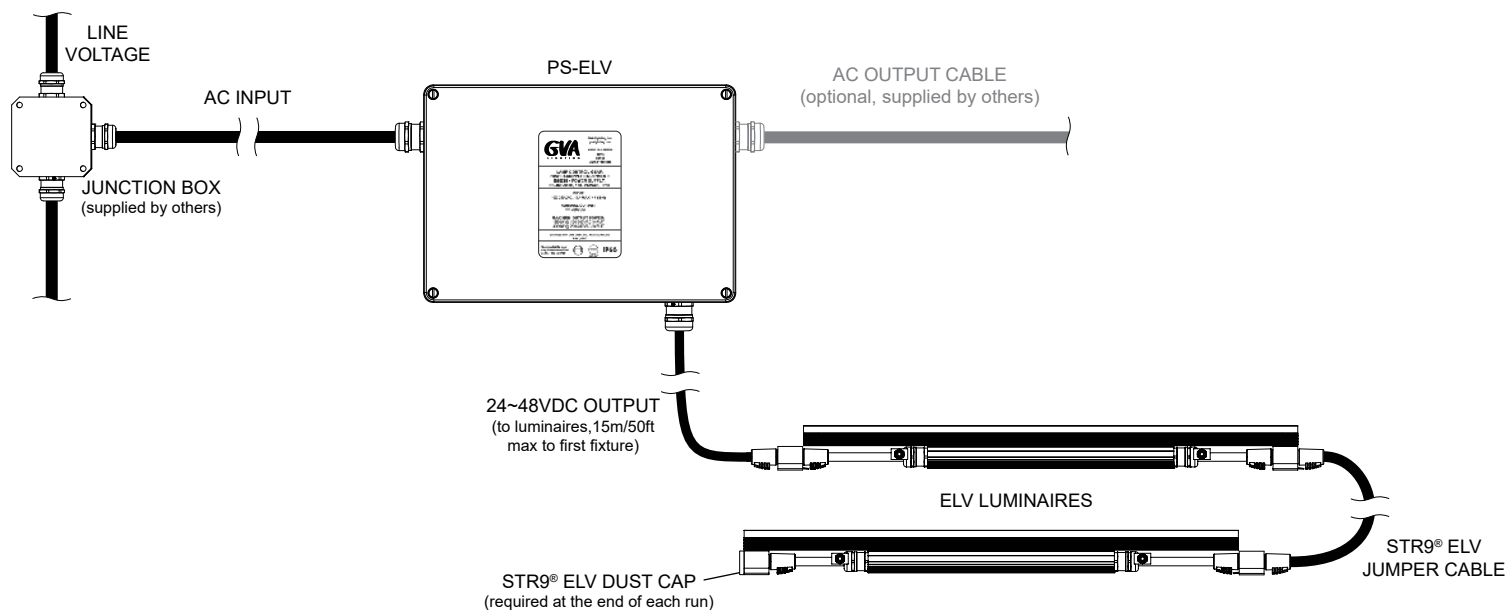
Monochromatic Linear Wall Washing and Grazing LED Lighting

PRODUCT SPECIFICATION SHEET

TYPICAL SYSTEM DIAGRAM: ELV WITH CONTROL



TYPICAL SYSTEM DIAGRAM: ELV WITHOUT CONTROL

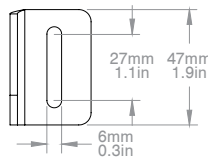
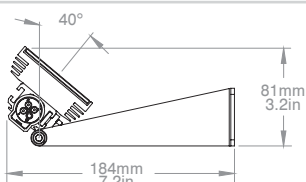
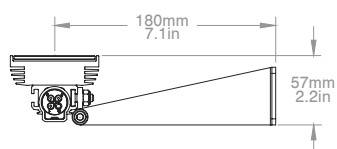
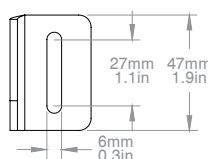
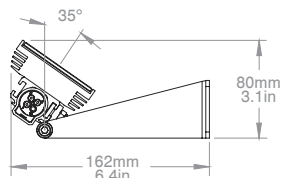
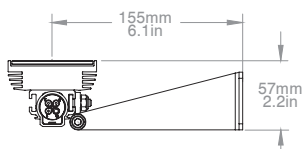
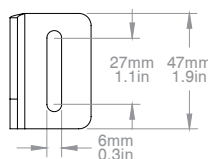
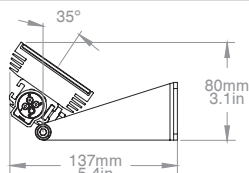
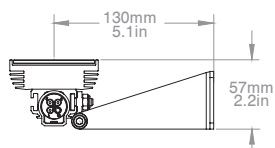
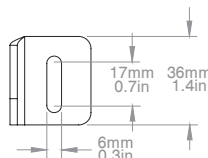
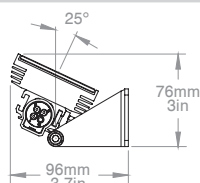
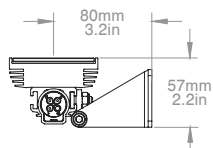
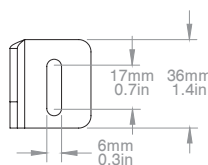
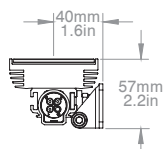


Monochromatic Linear Wall Washing and Grazing LED Lighting

PRODUCT SPECIFICATION SHEET

ORDERING LOGIC: STR9® MOUNTING ACCESSORIES

WXX - ADJUSTABLE WALL MOUNT BRACKET KIT



W40 - WALL MOUNT ADJUSTABLE

COLOR PART NUMBER

Clear Matte Anodized	121128
Black Matte Anodized	121129

W80 - WALL MOUNT ADJUSTABLE

COLOR PART NUMBER

Clear Matte Anodized	121130
Black Matte Anodized	121131

W130 - WALL MOUNT ADJUSTABLE

COLOR PART NUMBER

Clear Matte Anodized	121132
Black Matte Anodized	121133

W155 - WALL MOUNT ADJUSTABLE

COLOR PART NUMBER

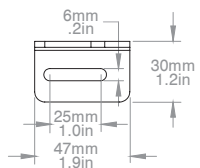
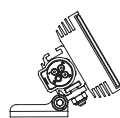
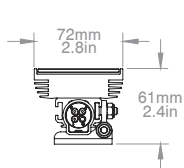
Clear Matte Anodized	121134
Black Matte Anodized	121135

W180 - WALL MOUNT ADJUSTABLE

COLOR PART NUMBER

Clear Matte Anodized	121136
Black Matte Anodized	121137

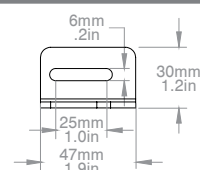
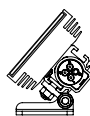
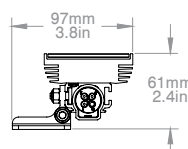
SMA-I - INSIDE ADJUSTABLE SURFACE MOUNT BRACKET KIT



COLOR PART NUMBER

Clear Matte Anodized	121138
Black Matte Anodized	121139

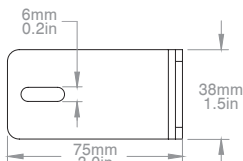
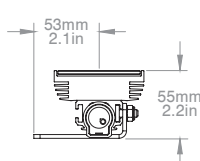
SMA-O - OUTSIDE ADJUSTABLE SURFACE MOUNT BRACKET KIT



COLOR PART NUMBER

Clear Matte Anodized	121825
Black Matte Anodized	121826

SML- SURFACE MOUNT BRACKET KIT, NON-ADJUSTABLE



COLOR PART NUMBER

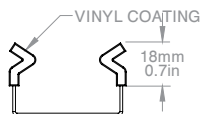
Clear Matte Anodized	121140
Black Matte Anodized	121141

Monochromatic Linear Wall Washing and Grazing LED Lighting

PRODUCT SPECIFICATION SHEET

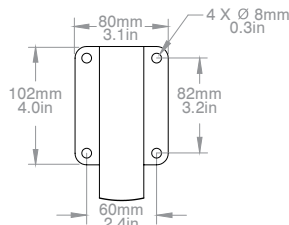
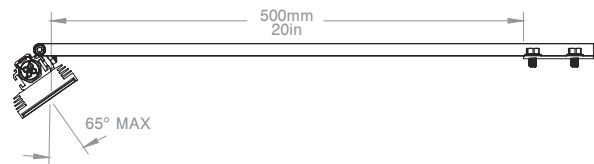
ORDERING LOGIC: STR9® MOUNTING ACCESSORIES

CLP - CLIP MOUNT KIT, NON-ADJUSTABLE



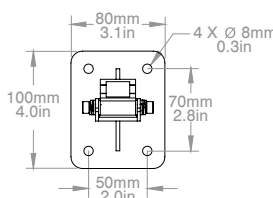
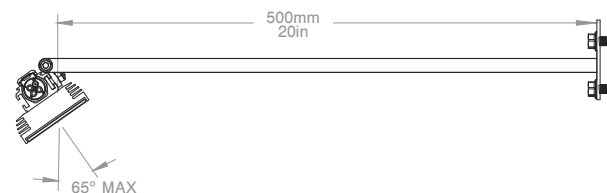
COLOR	PART NUMBER
Stainless Steel	121147

CTLX- ADJUSTABLE CANTILEVER BRACKET



CTLH - HORIZONTAL MOUNTING BRACKET

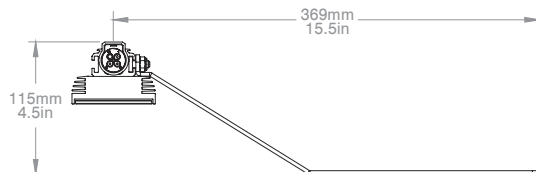
COLOR	PART NUMBER
Clear Matte Anodized	121142
Black Matte Anodized	121143



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

INFINITY POWER SUPPLIES, 100-240V AC

PS-INF 3000

INPUT TYPE	PART NUMBER
Single-Phase	G20220
Two-Phase	G20221

PS-INF 6000

Single-Phase	G20212
Two-Phase	G20213

INFINITY POWER-DATA CONVERTORS

PDC-INF, INF+ZH, IP66

1DMX	G20222
2DMX	G20228
0~10V DALI	G20223

ELV POWER SUPPLIES

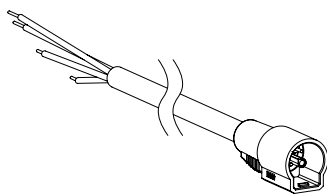
FAMILY	OUTPUT VOLTAGE		POWER (Watts)		INPUT VOLTAGE	CONSTRUCTION	
PS	ELV24	60 240 100 320		120~277V AC		IP66 - Indoor/Outdoor	
	ELV48	240 480 320 640					
FAMILY	OUTPUT VOLTAGE	POWER (Watts)		CONTROL INPUT	OUTPUT	INPUT VOLTAGE	CONSTRUCTION
PDB	ELV24	60 240 100 320	0~10V DALI		ELV+ZH - ELV Power & ZH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

Monochromatic Linear Wall Washing and Grazing LED Lighting

PRODUCT SPECIFICATION SHEET

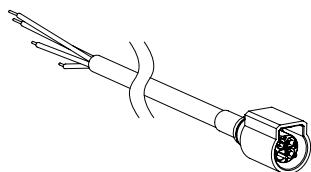
ORDERING LOGIC: COMMON COMPONENTS

STR9® LEADER CABLE ELV



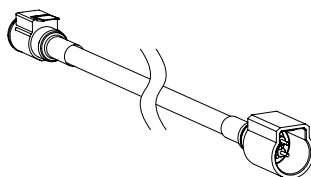
NOMINAL LENGTH	PART NUMBER
3m (10ft)	140723
9m (30ft)	140733
15m (50ft)	140724
CUSTOM	140732

STR9® LEADER CABLE INF



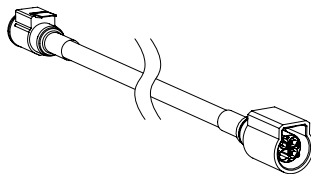
3m (10ft)	140725
9m (30ft)	140710
15m (50ft)	140726
CUSTOM	140727

STR9® JUMPER CABLE ELV



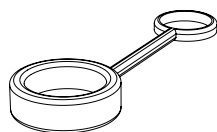
NOMINAL LENGTH	PART NUMBER
0.9m (3ft)	140729
1.8m (6ft)	140730
3.6m (12ft)	140731
CUSTOM	140728

STR9® JUMPER CABLE INF



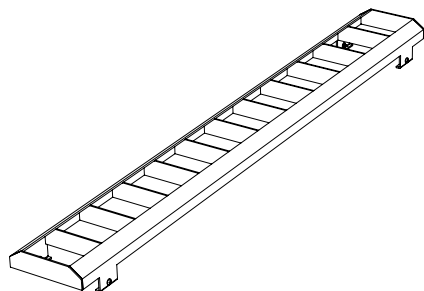
0.9m / 3ft	140709
1.8m / 6ft	140734
3.6m / 12ft	140735
CUSTOM	140708

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



	PART NUMBER
STR9-INF	230855
STR-ELV	231182

STR9® GLARE CONTROL LOUVERS



600mm LOUVER

COLOR	PART NUMBER
White	120939
Black	120933

900mm LOUVER

White	120940
Black	120934

1200mm LOUVER

White	120941
Black	120935

1200mm LOUVER

White	120942
Black	120936