

STR9® SLIM

UNIBODY
GVA TECHNOLOGY



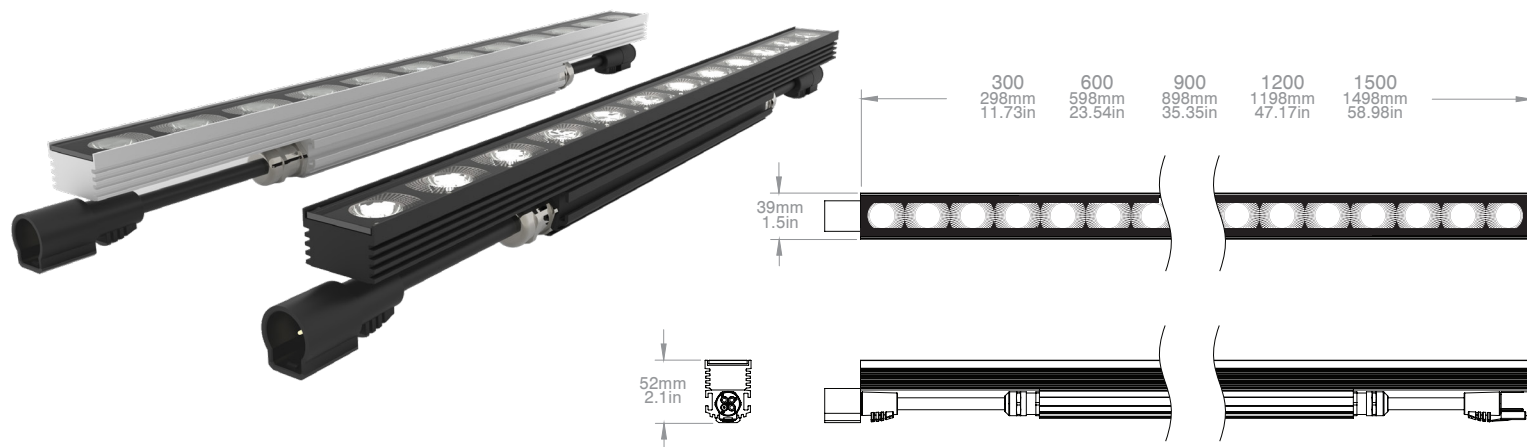
2020-11-25

GVA
LIGHTING

Low Profile Monochromatic Linear Wall Washing and Grazing LED Lighting

PRODUCT SPECIFICATION SHEET

DATE:	
TYPE:	
COMPANY:	
PROJECT:	



FEATURES:

Lighting Performance:

- Up to 2996 delivered lumens/meter (913 lumens/foot)
- Superior quality of white light: excellent LED to LED color consistency
- 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 FL series

Mechanical Details:

- Compact size, only 52.10mm (2.05in) high x 38.50mm (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
- Meets 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 and lock connectors
- IK06 rated fixture body construction

Control:

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

Projected Lifetime: L70 > 150,000hrs @ t_a = 25°C (77°F)

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

OPTIONS:

Power Source: INFINITY® Technology (INF) for exceptionally long runs from a single power source or Extra Low Voltage (ELV) for short runs, remote power supplies

Power Options: 3W, 5W, 10W, or 15W per 300mm (1ft)

Nominal Length: 300 mm (1ft), 600mm (2ft), 900mm (3ft), 1200mm (4ft) and 1500mm (5ft)

Beam Distribution: Range of symmetrical and elliptical beam angles available

Body Color: Black matte and clear matte anodized or custom color¹

Accessories:

- Adjustable and non-adjustable mounting brackets
- Glare control louvers

LED Color:

- Custom LED color combinations available¹

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	3W	2200K¹	10 - 10°x10°	ELV - 48VDC
	600	CM - Clear Matte Anodized	5W	2700K	30 - 30°x30°	
	900		7.5W	3000K	60 - 60°x60°	
	1200		10W	3500K	80 - 80°x80°	
	1500			4000K	10x30 - 10°x30°	
				5000K	10x60 - 10°x60°	
				6500K	30x60 - 30°x60°	
				RD - Red	Other distributions available; consult factory.	
				AM - Amber		
				GR - Green		
				BL - Blue		
				RB - Royal Blue		

PRODUCT CONFIGURATION

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1. Custom; consult factory, some restrictions apply



Low Profile Monochromatic Linear Wall Washing and Grazing LED Lighting

PRODUCT SPECIFICATION SHEET

PRODUCT SPECIFICATIONS: STR9 SLIM							
Nominal Length			300	600	900	1200	1500
Electrical	Power Consumption @ 48VDC Input	Nominal Wattage					
		3W/ft	3W	6W	9W	12W	15W
		5W/ft	5W	10W	15W	20W	25W
		7.5W/ft	7.5W	15W	22.5W	30W	37.5W
Optical	Lumen Output (typical) ^{1,2}	10W/ft	10W	20W	30W	40W	50W
		Light Source	6 x High Power LEDs per 300mm (1ft)				
		CRI	>80				
		3W	268lm	536lm	804lm	1072lm	1340lm
Control	Control Protocol for ELV	5W	447lm	894lm	1341lm	1788lm	2235lm
		7.5W	670lm	1340lm	2010lm	2680lm	3350lm
		10W	893lm	1786lm	2679lm	3572lm	4465lm
		Projected Lumen Maintenance	L70 > 150,000hrs @ t _a =25°C (77°F)				
Physical	Length	Control Protocol	DMX, DALI or 0-10V control through GVA Power-Data Equipment				
		DMX	300mm (1ft) resolutions				
		DALI	Each run is 1 address				
		0-10V					
Temperature Ranges	Weight	298mm	598mm	898mm	1198mm	1498mm	
		11.73in	23.54in	35.35in	47.17in	58.98in	
		Width x Height	38.50mm		x	52.10mm	
		1.52in		x	2.05in		
Certification & Safety	Environment	0.68kg	1.46kg	2.25kg	3.00kg	3.75kg	
		1.50lbs	3.20lbs	5.00lbs	6.60lbs	8.30lbs	
		Housing & Lens	Aluminum body and tempered flat glass lens, IK06 rated				
		Fixture Connections	IP68 sealed input and output connectors, with audible "click" snap-in & lock				
Certification & Safety	IES Classifications	Rated Operation Temperature	-40°C to +50°C (-22°F to 122°F)				
		Minimum Starting Temperature	-30°C (-22°F)				
		Storage Temperature	-40°C to +85°C (-22°F to 185°F)				
		Environment	Class 1 LED Luminaire				
Certification & Safety	Environment	CE	QPS (US Field Evaluation) or ETL (Special Electrical Equipment Inspection) where applicable				
		UL LISTED	CE Certified				
		RoHS	RoHS Compliant				
		ANSI C136.31-2010	Constructed to meet requirements outlined in UL1598 & IEC60598				
Certification & Safety	Environment		Meets ANSI C136.31, 3G Vibration standard for bridge and overpass applications				
			Dry, damp, or wet locations, 0-100% humidity, IP66				

1. Data provided for 4000K, with 10 Degree beam angles. Warmer color temperatures typically have a lower lumen output.
 2. Please consult factory for most recent photometric data.

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

MAXIMUM RUN LENGTHS				
	3W	5W	10W	15W
ELV	51m /170ft	31m /102ft	15m/51ft	10m/34ft

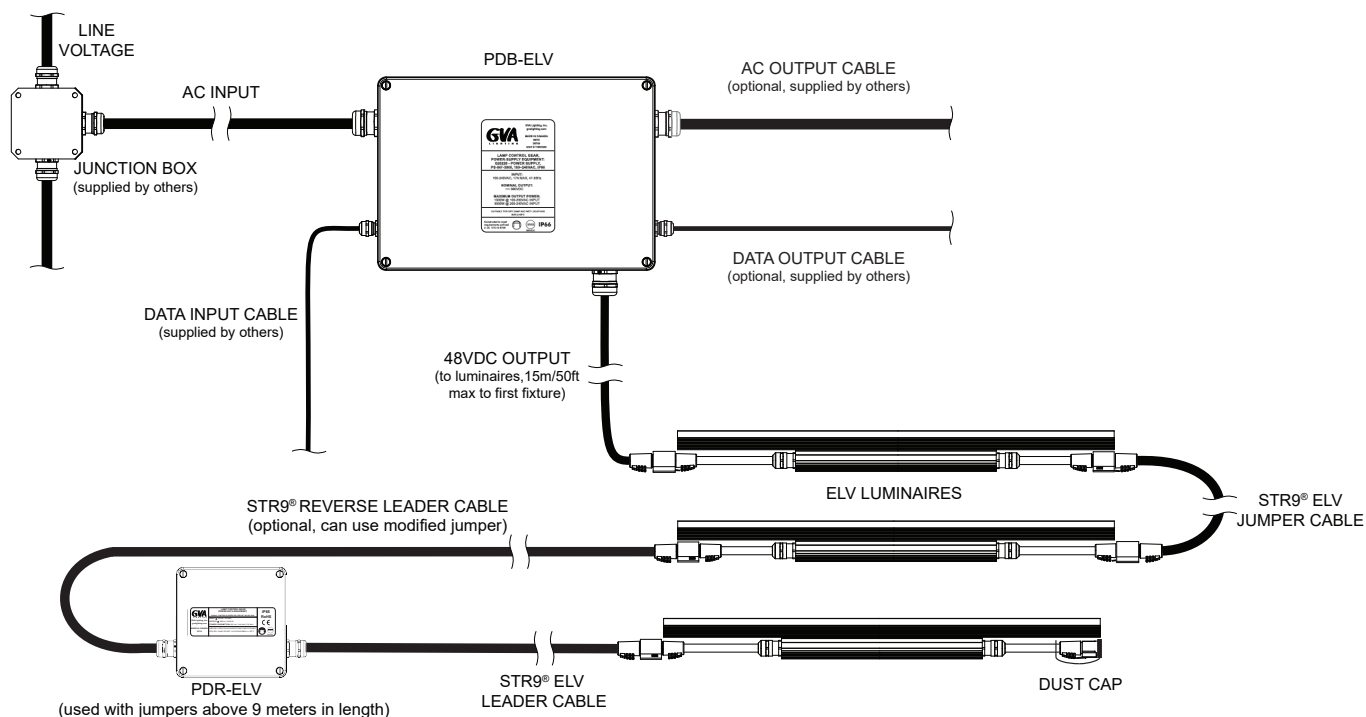
Ratings are for 30°C, de-rating will be used for higher ambient temperatures. Contact factory for applications support.

ORDERING LOGIC: POWER SUPPLIES and POWER DATA EQUIPMENT						
ELV POWER SUPPLIES				PDC-INF, INF+ZH, IP66		
FAMILY	OUTPUT VOLTAGE	POWER (Watts)		INPUT VOLTAGE	CONSTRUCTION	
PS	ELV48	240	480	120~277V AC	IP66 - Outdoor	
		320	640			
FAMILY	OUTPUT VOLTAGE	POWER (Watts)	CONTROL INPUT	OUTPUT	INPUT VOLTAGE	CONSTRUCTION
PDB	ELV48	240 480	0~10V	ELV+ZH - ELV	120~277V AC	IP66 - Outdoor
		320 640	DALI	Power & ZH Data		
			DMX			
ELV POWER-DATA REPEATER				PDR-ELV, ELV+ZH		
				TYPE	PART NUMBER	WEIGHT
				IP66	G20444	2.13kg / 4.70lbs

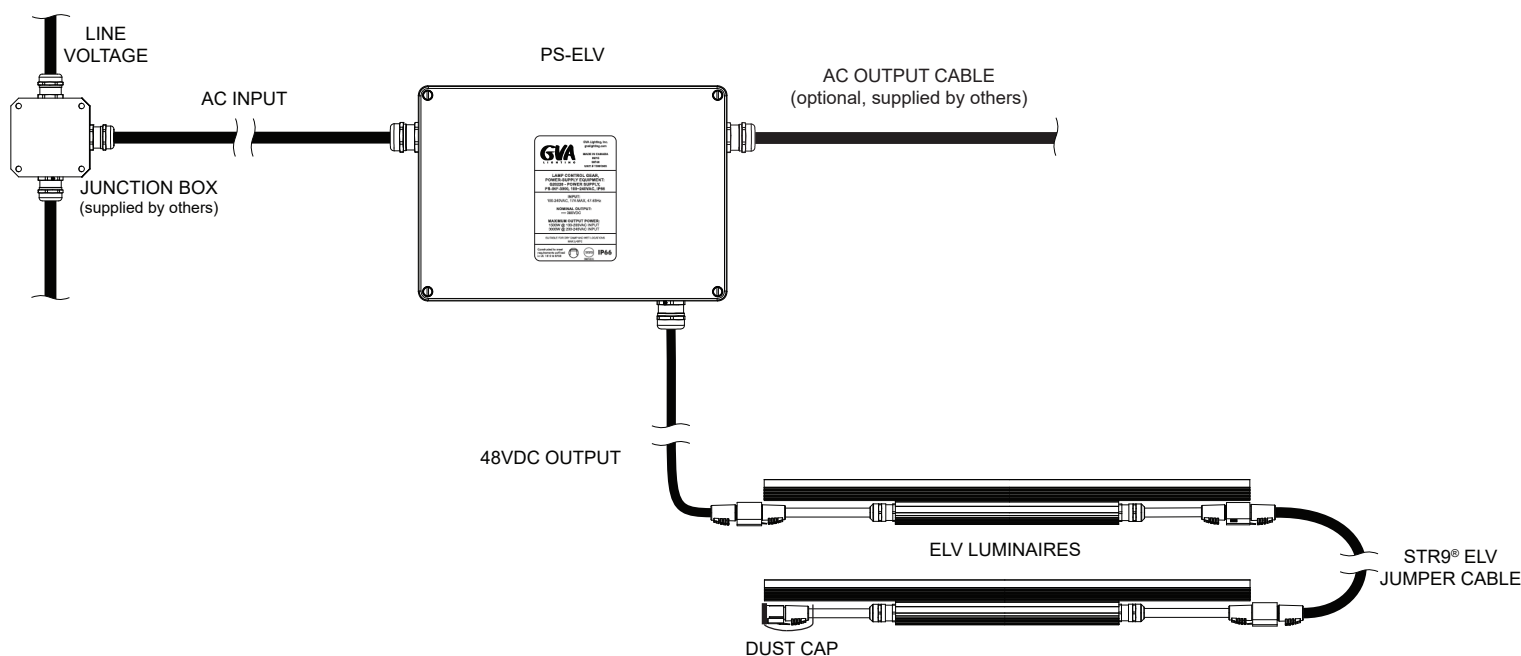
Low Profile Monochromatic Linear Wall Washing and Grazing LED Lighting

PRODUCT SPECIFICATION SHEET

TYPICAL SYSTEM DIAGRAM: ELV WITH CONTROL



TYPICAL SYSTEM DIAGRAM: ELV WITHOUT CONTROL



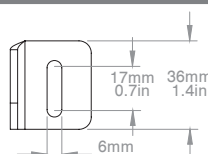
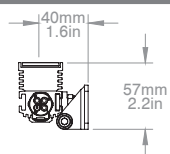


Low Profile Monochromatic Linear Wall Washing and Grazing LED Lighting

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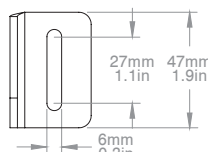
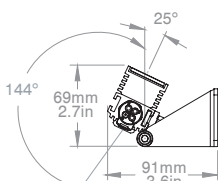
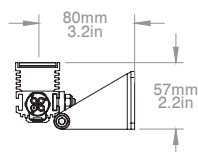
ORDERING LOGIC: STR9 MOUNTING ACCESSORIES

WXX - ADJUSTABLE WALL MOUNT BRACKET KIT



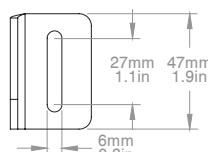
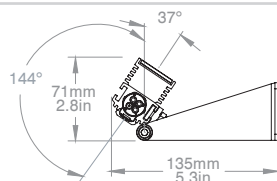
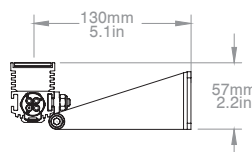
W40 ADJUSTABLE WALL MOUNT

COLOR	PART NUMBER	WEIGHT
Clear Matte Anodized	121128	0.10kg / 0.21lbs
Black Matte Anodized	121129	



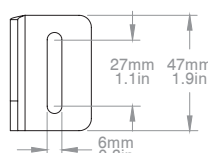
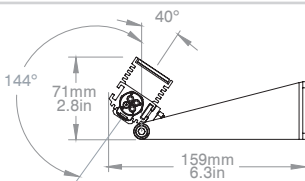
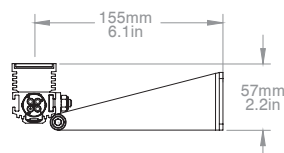
W80 ADJUSTABLE WALL MOUNT

COLOR	PART NUMBER	WEIGHT
Clear Matte Anodized	121130	0.12kg / 0.27lbs
Black Matte Anodized	121131	



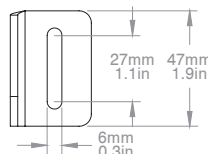
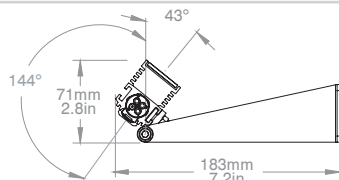
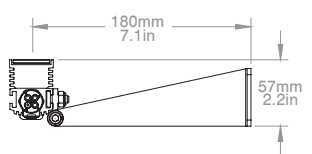
W130 ADJUSTABLE WALL MOUNT

COLOR	PART NUMBER	WEIGHT
Clear Matte Anodized	121132	0.15kg / 0.32lbs
Black Matte Anodized	121133	



W155 ADJUSTABLE WALL MOUNT

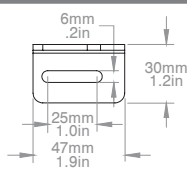
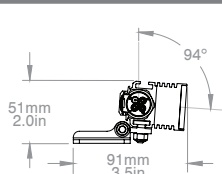
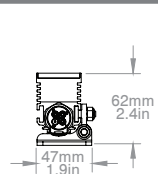
COLOR	PART NUMBER	WEIGHT
Clear Matte Anodized	121134	0.16kg / 0.35lbs
Black Matte Anodized	121135	



W180 ADJUSTABLE WALL MOUNT

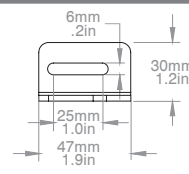
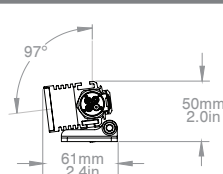
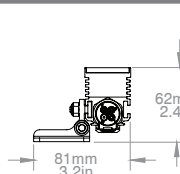
COLOR	PART NUMBER	WEIGHT
Clear Matte Anodized	121136	0.17kg / 0.38lbs
Black Matte Anodized	121137	

SMA-I - INSIDE ADJUSTABLE SURFACE MOUNT BRACKET KIT



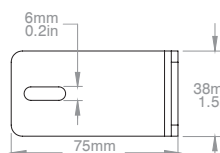
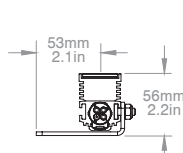
COLOR	PART NUMBER	WEIGHT
Clear Matte Anodized	121138	0.09kg / 0.20lbs
Black Matte Anodized	121139	

SMA-O - OUTSIDE ADJUSTABLE SURFACE MOUNT BRACKET KIT



COLOR	PART NUMBER	WEIGHT
Clear Matte Anodized	121825	0.09kg / 0.20lbs
Black Matte Anodized	121826	

SML - SURFACE MOUNT BRACKET KIT, NON-ADJUSTABLE



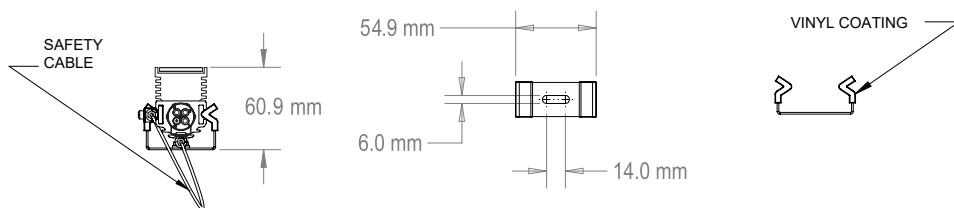
COLOR	PART NUMBER	WEIGHT
Clear Matte Anodized	121140	0.08kg / 0.18lbs
Black Matte Anodized	121141	

Low Profile Monochromatic Linear Wall Washing and Grazing LED Lighting

PRODUCT SPECIFICATION SHEET

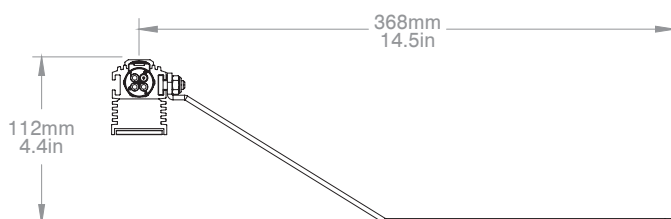
ORDERING LOGIC: STR9 MOUNTING ACCESSORIES

CLP - CLIP MOUNT KIT, NON-ADJUSTABLE



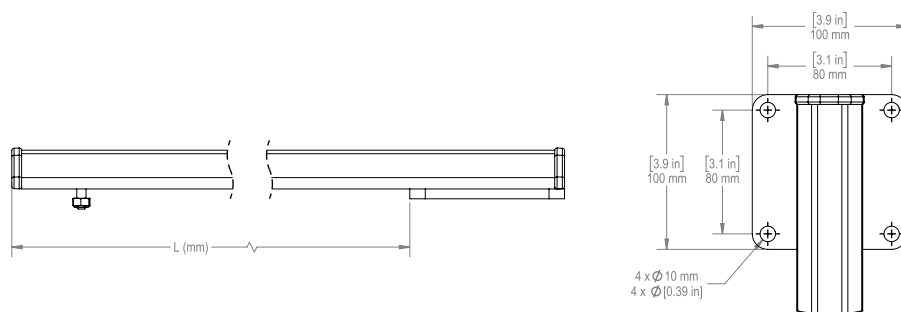
COLOR	PART NUMBER	WEIGHT
Stainless Steel	121147	0.21kg / 0.47lbs

MCD - CANTILEVER BRACKET, NON-ADJUSTABLE



COLOR	PART NUMBER	WEIGHT
Stainless Steel	121146	0.94kg / 2.08lbs

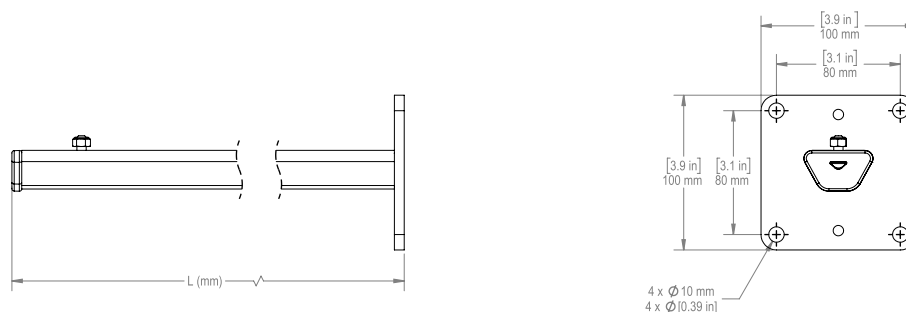
CH - ADJUSTABLE HORIZONTAL CANTILEVER BRACKET KIT - 100 MM TO 500 MM



*Fixture bracket not included, please order separately

TYPE	CM	BM	WEIGHT
CH-100	123336	123355	0.77kg / 1.69lbs
CH-150	123337	123356	0.87kg / 1.92lbs
CH-200	123338	123357	0.98kg / 2.16lbs
CH-250	123339	123358	1.08kg / 2.39lbs
CH-300	123340	123359	1.19kg / 2.62lbs
CH-350	123341	123360	1.29kg / 2.85lbs
CH-400	123342	123361	1.40kg / 3.08lbs
CH-450	123343	123362	1.50kg / 3.31lbs
CH-500	123344	123363	1.61kg / 3.54lbs

CV - ADJUSTABLE VERTICAL CANTILEVER BRACKET KIT - 100 MM TO 500 MM



*Fixture bracket not included, please order separately

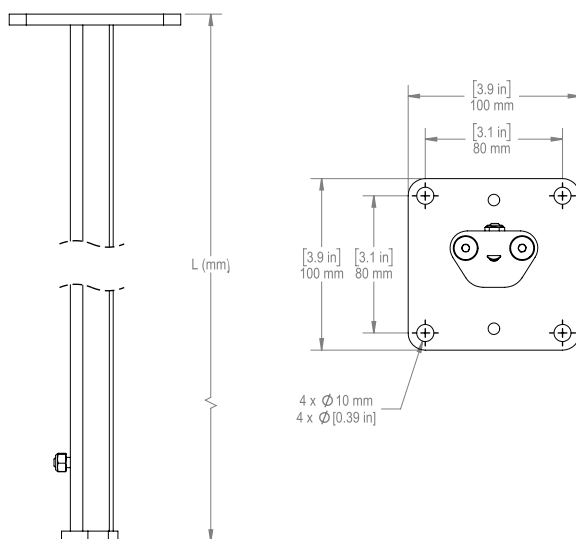
TYPE	CM	BM	WEIGHT
CV-100	123374	123393	0.59kg / 1.30lbs
CV-150	123375	123394	0.70kg / 1.53lbs
CV-200	123376	123395	0.80kg / 1.77lbs
CV-250	123377	123396	0.91kg / 2.00lbs
CV-300	123378	123397	1.01kg / 2.23lbs
CV-350	123379	123398	1.12kg / 2.46lbs
CV-400	123380	123399	1.22kg / 2.69lbs
CV-450	123381	123400	1.33kg / 2.92lbs
CV-500	123382	123401	1.43kg / 3.15lbs

Low Profile Monochromatic Linear Wall Washing and Grazing LED Lighting

PRODUCT SPECIFICATION SHEET

ORDERING LOGIC: STR9 MOUNTING ACCESSORIES

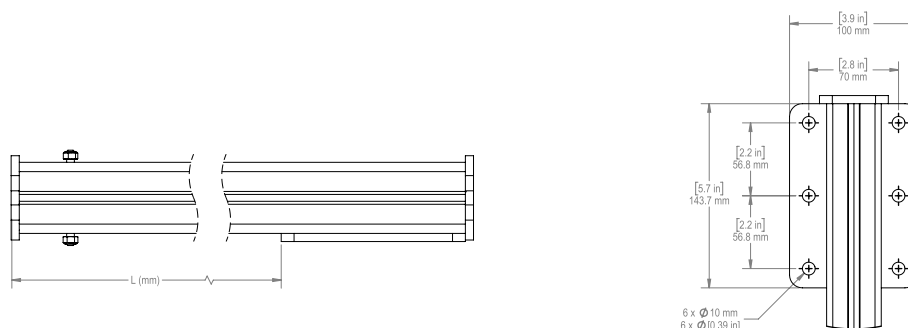
CC - ADJUSTABLE CEILING MOUNT CANTILEVER BRACKET KIT - 100 MM TO 1000 MM



*Fixture bracket not included, please order separately

TYPE	CM	BM	WEIGHT
CC-100	123766	123785	0.62kg / 1.37lbs
CC-150	123767	123786	0.72kg / 1.60lbs
CC-200	123768	123787	0.83kg / 1.83lbs
CC-250	123769	123788	0.93kg / 2.06lbs
CC-300	123770	123789	1.04kg / 2.29lbs
CC-350	123771	123790	1.14kg / 2.52lbs
CC-400	123772	123791	1.25kg / 2.75lbs
CC-450	123773	123792	1.35kg / 2.98lbs
CC-500	123774	123793	1.46kg / 3.22lbs
CC-550	123775	123794	1.56kg / 3.45lbs
CC-600	123776	123795	1.67kg / 3.68lbs
CC-650	123777	123796	1.77kg / 3.91lbs
CC-700	123778	123797	1.88kg / 4.14lbs
CC-750	123779	123798	1.98kg / 4.37lbs
CC-800	123780	123799	2.09kg / 4.60lbs
CC-850	123781	123800	2.19kg / 4.83lbs
CC-900	123782	123801	2.30kg / 5.06lbs
CC-950	123783	123802	2.40kg / 5.30lbs
CC-1000	123784	123803	2.51kg / 5.53lbs

DCH - ADJUSTABLE HORIZONTAL DOUBLE CANTILEVER BRACKET KIT - 100 MM TO 500 MM



*Fixture bracket not included, please order separately

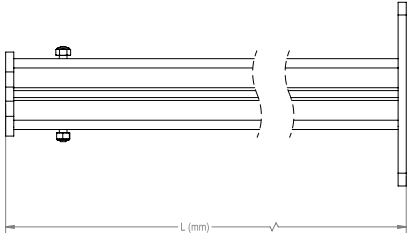
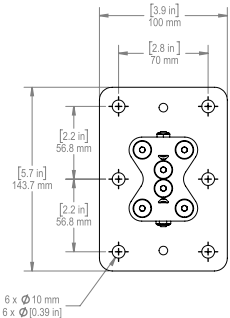
TYPE	CM	BM	WEIGHT
DCH-100	123709	123728	1.93kg / 4.25lbs
DCH-150	123710	123729	2.14kg / 4.71lbs
DCH-200	123711	123730	2.35kg / 5.17lbs
DCH-250	123712	123731	2.56kg / 5.63lbs
DCH-300	123713	123732	2.77kg / 6.10lbs
DCH-350	123714	123733	2.98kg / 6.56lbs
DCH-400	123715	123734	3.18kg / 7.02lbs
DCH-450	123716	123735	3.39kg / 7.48lbs
DCH-500	123717	123736	3.60kg / 7.95lbs

Low Profile Monochromatic Linear Wall Washing and Grazing LED Lighting

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ORDERING LOGIC: STR9 MOUNTING ACCESSORIES

DCV-C - ADJUSTABLE VERTICAL & CEILING MOUNT DOUBLE CANTILEVER BRACKET KIT - 100 MM TO 500 MM

 *Fixture bracket not included, please order separately	TYPE	CM	BM	WEIGHT
	DCV-C-100	123628	123647	1.17kg / 2.57lbs
	DCV-C-150	123629	123648	1.38kg / 3.04lbs
	DCV-C-200	123630	123649	1.58kg / 3.50lbs
	DCV-C-250	123631	123650	1.80kg / 3.96lbs
	DCV-C-300	123632	123651	2.01kg / 4.42lbs
	DCV-C-350	123633	123652	2.22kg / 4.88lbs
	DCV-C-400	123634	123653	2.46kg / 5.35lbs
	DCV-C-450	123635	123654	2.64kg / 5.81lbs
	DCV-C-500	123636	123655	2.84kg / 6.27lbs



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ORDERING LOGIC: COMMON COMPONENTS

STR9 LEADER CABLE ELV



*Not all leader lengths are shown.

NOMINAL LENGTH	PART NUMBER
3m (9ft)	141481
6m (19ft)	141484
9m (30ft)	141487
15m (50ft)	141489
30m (100ft)	141492

STR9 REVERSE LEADER CABLE ELV



*Not all leader lengths are shown.

NOMINAL LENGTH	PART NUMBER
3m (9ft)	142231
6m (19ft)	142234
9m (30ft)	142237
15m (50ft)	142239
30m (100ft)	142242

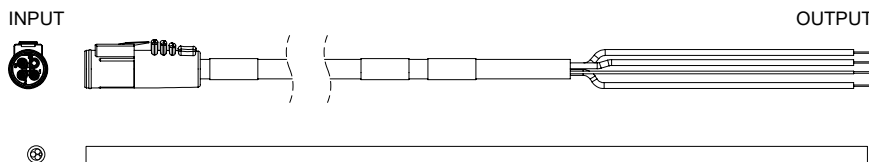
STR9 JUMPER CABLE ELV



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

NOMINAL LENGTH	PART NUMBER
0.30m (1ft)	141739
0.60m (2ft)	141740
0.90m (3ft)	141741
1.20m (4ft)	141742
1.50m (5ft)	141743
1.80m (6ft)	141744
3.60m (12ft)	141750
6.00m (20ft)	141758
9.00m (30ft)	141768

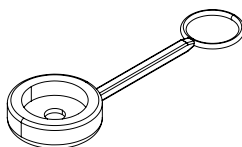
STR9 CABLE 3X14 AWG + 1X24 AWG



NOMINAL LENGTH	PART NUMBER
Raw cable cut to length. Please specify required length.	280253

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

ELV



TYPE	PART NUMBER	WEIGHT
STR-ELV	231182	3.40g / 0.11oz