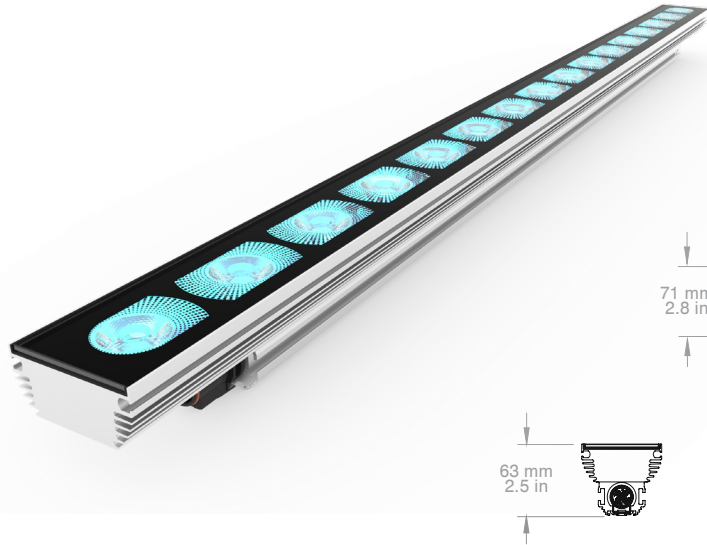




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Color Changing Linear Wall Washing and Grazing LED Lighting

PRODUCT SPECIFICATION SHEET

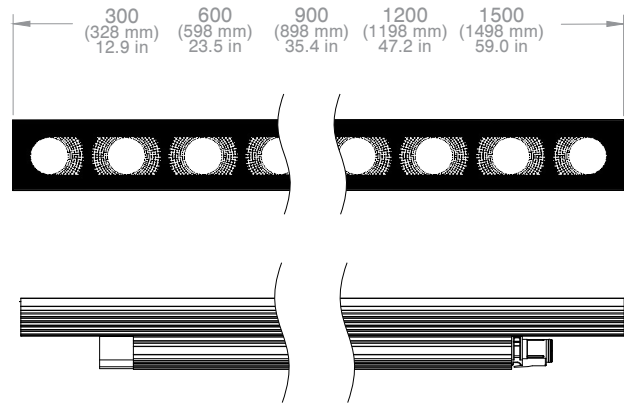


DATE:

TYPE:

COMPANY:

PROJECT:



FEATURES:

Lighting Performance:

- Up to 2040 lumens/meter (626 lumens/foot)
- COLOR-AMP® technology allows up to three times higher light output in specific colors
- Outstanding color mixing (no striations or colour separation)
- Homogenous 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 63 mm (2.5 in) high x 71 mm (2.8 in) 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, IK10 accessories available upon request ¹

Control:

- DMX control through GVA's power-data equipment
- 300mm resolution, each 300mm section can be addressed individually, self-addressing fixtures

Projected Lifetime: L70 > 65,000hrs @ t_a = 50°C (122°F)

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

OPTIONS:

Power Source: 48VDC, 120VAC, 220-240VAC, 277VAC, 380VDC

Power Options: 10W, 15W or 20W per 300mm (1ft)

Nominal Length: 300mm (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 available

SPECIFICATION LOGIC: STR9 COLOR CHANGING

FAMILY	NOMINAL LENGTH	BODY COLOR	POWER per 300mm (1ft)	LED COLOR	OPTICS (FWHM)	INPUT VOLTAGE	OPTIONAL
STR9-G3	300 ²	CM - Clear Matte Anodized	10W	RGB	10 - 10° x 10° ³	ELV - 48VDC	ILV - Internal Louver
	600	BM - Black Matte Anodized	15W	RGBA	12 - 12° x 12°	AC - 120 or 277VAC	
	900		20W	RGBW30K	15 - 15°x15°	AC - 220-240VAC	
	1200				30 - 30°x30°	INF - 380VDC	
	1500				60 - 60°x60°		
					80 - 80°x80°		
					10x30 - 10°x30°		
					10x60 - 10°x60°		
					30x60 - 30°x60°		
					Other distributions available; Consult factory.		

PRODUCT CONFIGURATION

1. IK10 is not a standard configuration, some restrictions apply, please consult factory.
2. Pitch is not maintained, some restrictions apply, please consult factory.
3. Custom configuration, some restrictions apply, please consult factory.



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PRODUCT SPECIFICATION SHEET

PRODUCT SPECIFICATIONS: STR9 COLOR CHANGING

Nominal Length			300	600	900	1200	1500
Electrical		Nominal Wattage					
	Power Consumption for 48VDC Input	10W/ft	10W	20W	30W	40W	50W
		15W/ft	15W	30W	45W	60W	75W
		20W/ft	20W	40W	60W	75W	100W
	Power Consumption for 120-277VAC Input	10W/ft		23.7W	34.5W	45.9W	56.8W
		15W/ft		34.6W	51.2W	69W	85.2W
		20W/ft		44.5W	65W	89W	110W
	Power Consumption for 380VDC Input	10W/ft	24W	34W	44W	54W	64W
		15W/ft	29W	44W	59W	74W	89W
20W/ft		34W	54W	74W	94W	114W	
Optical	Light Source	4 x High Power 4 in 1 LEDs per 300mm (1ft)					
	COLOR-AMP™ 10W Lumen Output (typical) ^{1,2}	Red	219 lm	438 lm	657 lm	876 lm	1,095 lm
		Green	286 lm	572 lm	858 lm	1,144 lm	1,430 lm
		Blue	99 lm	198 lm	297 lm	396 lm	495 lm
		Amber	169 lm	338 lm	507 lm	676 lm	845 lm
		White (3000K)	392 lm	784 lm	1,176 lm	1,568 lm	1,960 lm
		All on RGB	271 lm	542 lm	813 lm	1,084 lm	1,355 lm
		All on RGBA	276 lm	552 lm	828 lm	1,104 lm	1,380 lm
		All on RGBW30K	345 lm	690 lm	1,035 lm	1,380 lm	1,725 lm
	COLOR-AMP™ 15W Lumen Output (typical) ^{1,2}	Red	228 lm	456 lm	684 lm	912 lm	1,140 lm
		Green	368 lm	736 lm	1,104 lm	1,472 lm	1,840 lm
		Blue	134 lm	268 lm	402 lm	536 lm	670 lm
		Amber	189 lm	378 lm	567 lm	756 lm	945 lm
		White (3000K)	495 lm	990 lm	1,485 lm	1,980 lm	2,475 lm
		All on RGB	371 lm	742 lm	1,113 lm	1,484 lm	1,855 lm
		All on RGBA	385 lm	770 lm	1,155 lm	1,540 lm	1,925 lm
		All on RGBW30K	491 lm	982 lm	1,473 lm	1,964 lm	2,455 lm
	COLOR-AMP™ 20W Lumen Output (typical) ^{1,2}	Red	321 lm	642 lm	963 lm	1,284 lm	1,605 lm
		Green	399 lm	798 lm	1,197 lm	1,596 lm	1,995 lm
		Blue	139 lm	278 lm	417 lm	556 lm	695 lm
		Amber	195 lm	390 lm	585 lm	780 lm	975 lm
		White (3000K)	537 lm	1,074 lm	1,611 lm	2,148 lm	2,685 lm
		All on RGB	442 lm	884 lm	1,326 lm	1,768 lm	2,210 lm
		All on RGBA	447 lm	894 lm	1,341 lm	1,788 lm	2,235 lm
		All on RGBW30K	608 lm	1,216 lm	1,824 lm	2,432 lm	3,040 lm
	Projected Lumen Maintenance	L70 > 65,000hrs @ t _a =50°C (122°F)					
Control		DMX control through GVA's Power-Data Equipment, 300mm (1ft) resolutions					
Physical	Length		328 mm (12.9 in)	598 mm (23.54 in)	898 mm (35.35 in)	1,198 mm (47.17 in)	1,498 mm (58.98 in)
	Width x Height		71 mm x 63 mm (2.8 in x 2.5 in)				
	Weight (ELV)		1.0 kg (2.2 lbs)	1.9 kg (4.2 lbs)	2.85 kg (6.28 lbs)	3.85 kg (8.5 lbs)	4.85 kg (10.7 lbs)
	Weight (INF)			2 kg (4.4 lbs)	3 kg (6.6 lbs)	4 kg (8.8 lbs)	5 kg (11 lbs)
	Weight (AC)			2 kg (4.4 lbs)	3 kg (6.6 lbs)	4 kg (8.8 lbs)	5 kg (11 lbs)
	Housing & Lens		Aluminum Body and tempered flat glass lens, IK06 rated, Optional IK10				
	Fixture Connections		IP68 sealed input and output connectors, with audible "click" snap-in & lock				
Temperature Ranges	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)				
Certification & Safety	IES Classifications		Class 1 LED Luminaire				
	Certifications		      				
			QPS (US Field Evaluation) or ETL (Special Electrical Equipment Inspection) where applicable				
	Environment		CE Certified RoHS Compliant Constructed to meet requirements outlined in UL1598 & IEC60598 Meets ANSI C136.31, 3G Vibration standard for bridge and overpass applications Dry, damp, or wet locations , 0-100% humidity, IP66				

1. Measurement data provided for 10 degree beam angle fixtures

2. Please consult factory for most recent photometric data

3. IK10 is not a standard configuration; consult factory

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



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PRODUCT SPECIFICATION SHEET

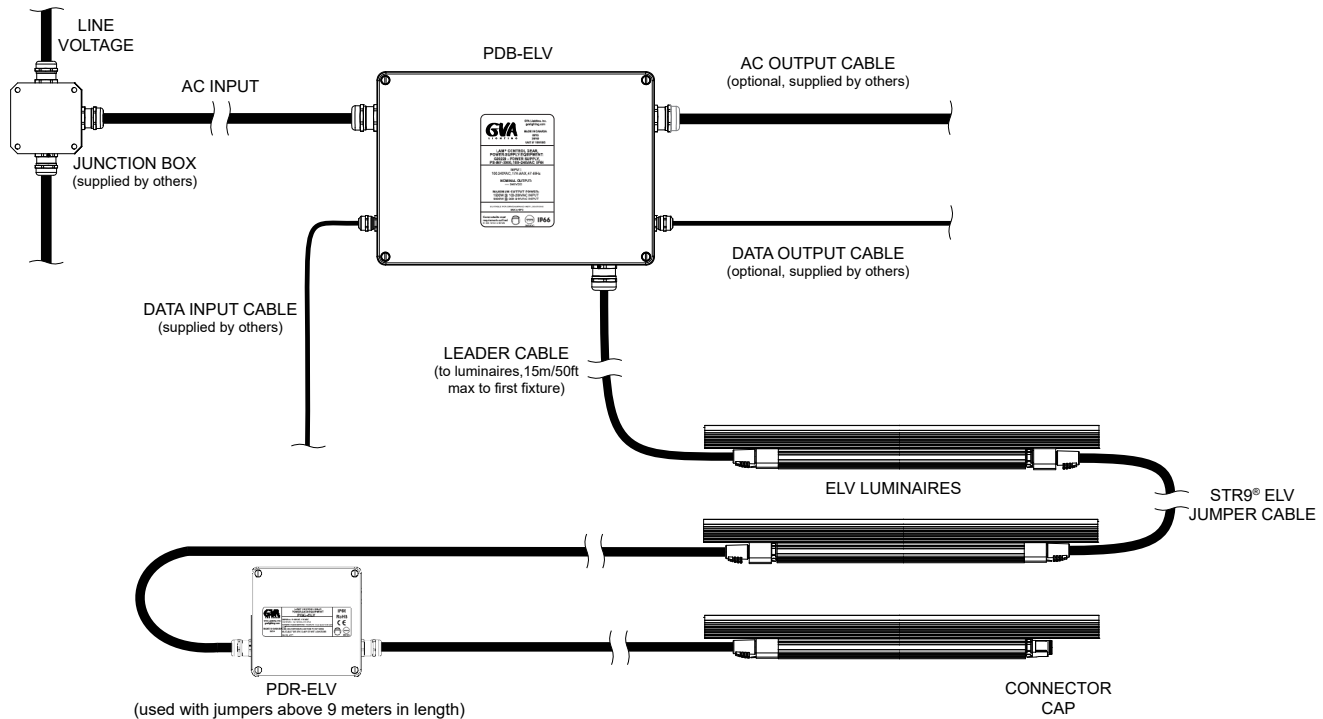
MAXIMUM RUN LENGTHS⁴

	10W	15W	20W
ELV	15m/51ft	10m/34ft	7m/ 25ft
AC ¹	43m/ 141ft	21m/ 68ft	21m/ 68ft
INF	115m/380ft	82m/272ft	64m/ 212ft

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

1.Type D breaker required

TYPICAL SYSTEM DIAGRAM: ELV WITH CONTROL

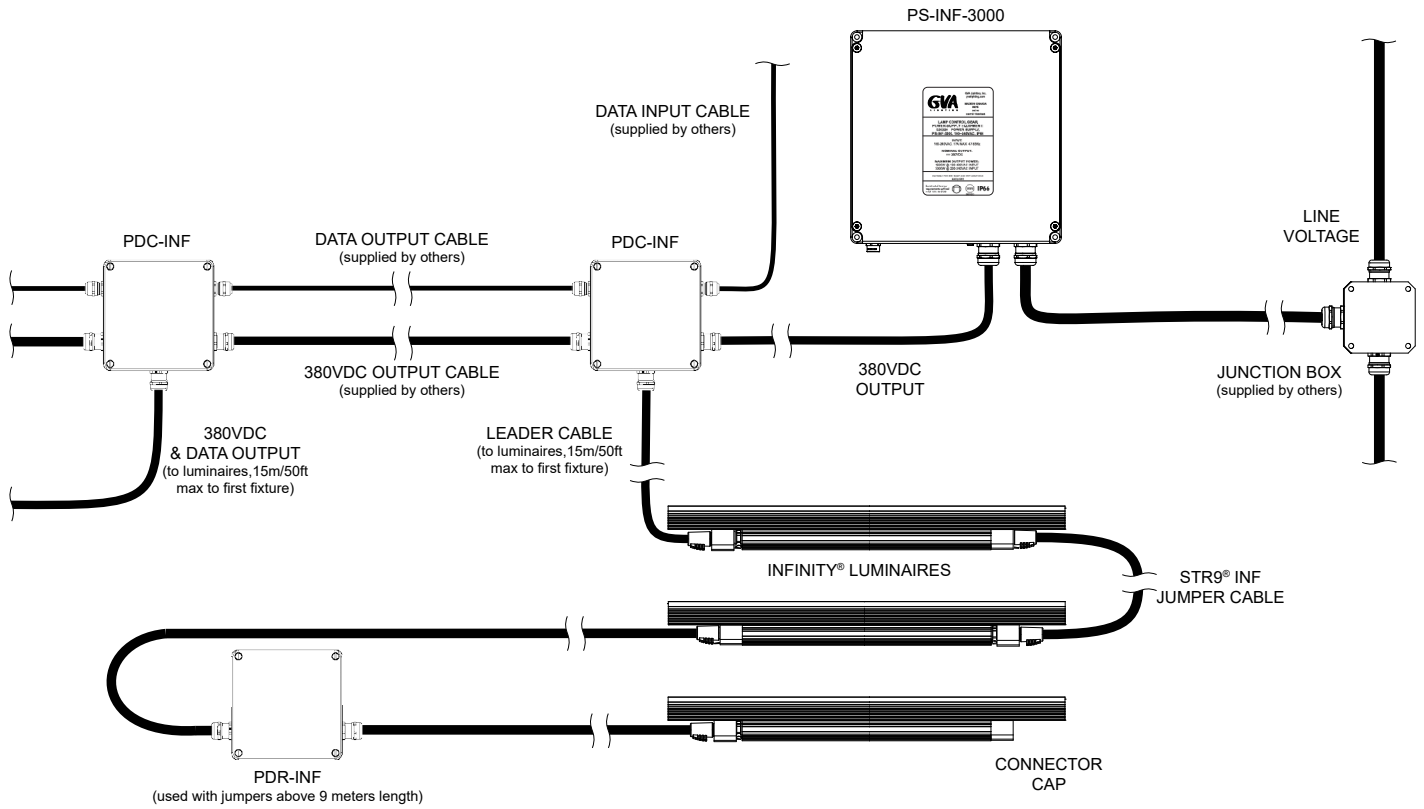




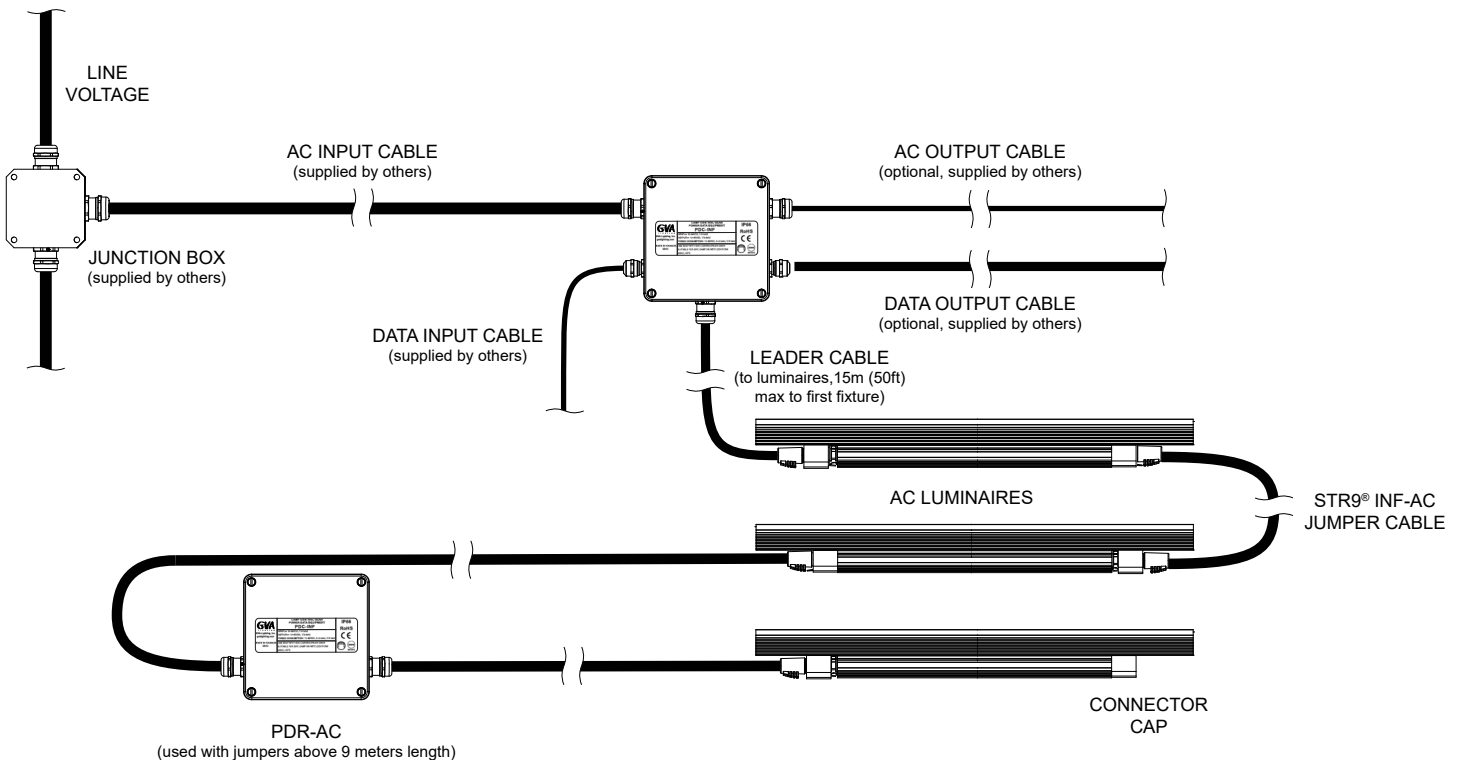
Color Changing Linear Wall Washing and Grazing LED Lighting

PRODUCT SPECIFICATION SHEET

TYPICAL SYSTEM DIAGRAM: INFINITY WITH CONTROL



TYPICAL SYSTEM DIAGRAM: AC WITH CONTROL





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Color Changing Linear Wall Washing and Grazing LED Lighting

PRODUCT SPECIFICATION SHEET

ORDERING LOGIC: POWER SUPPLIES and POWER DATA EQUIPMENT

ELV POWER DATA BOXES

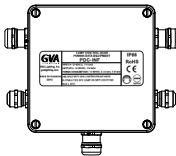
FAMILY	OUTPUT VOLTAGE	POWER (Watts)		CONTROL INPUT	CONTROL OUTPUT	INPUT VOLTAGE	CONSTRUCTION
PDB	ELV (48V)	240W	480W	DMX	48V POWER & ZH DATA	120~277V AC	IP66 IP30
		320W	640W				

INFINITY POWER SUPPLIES

PS-INF, IP66

	TYPE	PART NUMBER	WEIGHT
	PS-INF-3000-120VAC	G20337	10.98 kg (24.20 lbs)
	PS-INF-3000-208/240VAC	G20338	10.98 kg (24.20 lbs)
	PS-INF-3000-220/230/240VAC	G20341	10.98 kg (24.20 lbs)

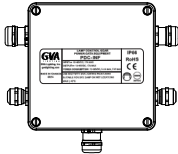
POWER-DATA CONVERTORS IP66

	TYPE	PART NUMBER	WEIGHT
	PDC-INF-1DMX	G20342	2.06 kg (4.55 lbs)
	PDC-INF-2DMX	G20431	2.06 kg (4.55 lbs)
	PDC-AC-1DMX	G20263	2.06 kg (4.55 lbs)
	PDC-AC-2DMX	G20264	2.06 kg (4.55 lbs)

POWER-DATA CONVERTORS IP40

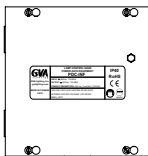
	TYPE	PART NUMBER	WEIGHT
	PDC-INF-1DMX	G20452	2.06 kg (4.55 lbs)
	PDC-INF-2DMX	G20453	2.06 kg (4.55 lbs)
	PDC-AC-1DMX	G20267	2.06 kg (4.55 lbs)
	PDC-AC-2DMX	G20268	2.06 kg (4.55 lbs)

INFINITY POWER-DATA REPEATER IP66

	TYPE	PART NUMBER	WEIGHT
	PDR-INF	G20445	2.13 kg (4.70 lbs)

*Includes input and output cables, 9m each

INFINITY POWER-DATA REPEATER IP40

	TYPE	PART NUMBER	WEIGHT
	PDR-INF	G20442	2.00 kg (4.40 lbs)

*Includes input and output cables, 9m each



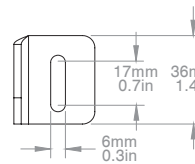
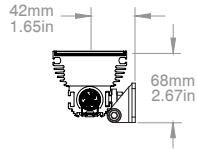
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PRODUCT SPECIFICATION SHEET

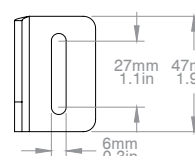
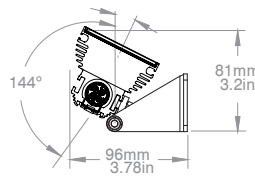
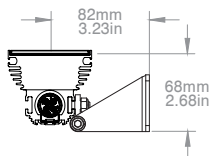
ORDERING LOGIC: STR9 MOUNTING ACCESSORIES

WXX - ADJUSTABLE WALL MOUNT BRACKET KIT



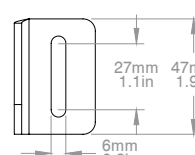
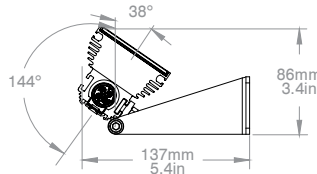
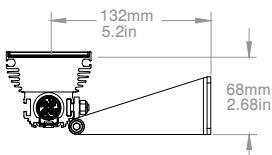
W40 ADJUSTABLE WALL MOUNT

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



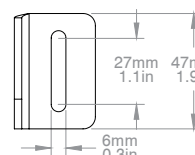
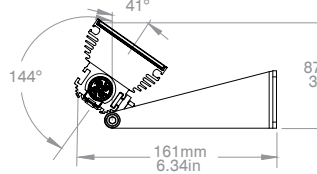
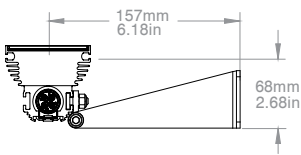
W80 ADJUSTABLE WALL MOUNT

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



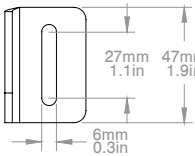
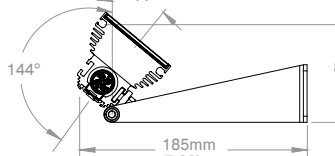
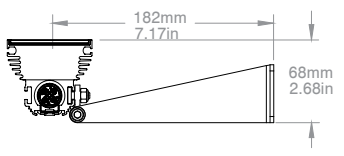
W130 ADJUSTABLE WALL MOUNT

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



W155 ADJUSTABLE WALL MOUNT

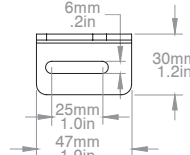
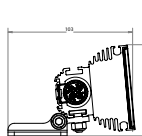
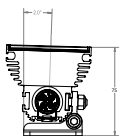
COLOR	PART NUMBER	WEIGHT
Clear Matte Anodized	121134	0.16 kg (0.35 lbs)
Black Matte Anodized	121135	



W180 ADJUSTABLE WALL MOUNT

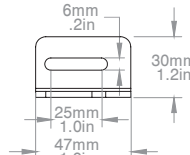
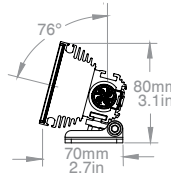
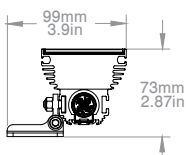
COLOR	PART NUMBER	WEIGHT
Clear Matte Anodized	121136	0.17 kg (0.38 lbs)
Black Matte Anodized	121137	

SMA-I - INSIDE ADJUSTABLE SURFACE MOUNT BRACKET KIT



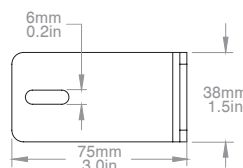
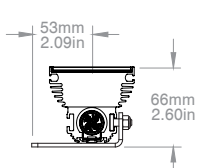
COLOR	PART NUMBER	WEIGHT
Clear Matte Anodized	121138	0.09 kg (0.20 lbs)
Black Matte Anodized	121139	

SMA-O - OUTSIDE ADJUSTABLE SURFACE MOUNT BRACKET KIT



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

SML - SURFACE MOUNT BRACKET KIT, NON-ADJUSTABLE



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



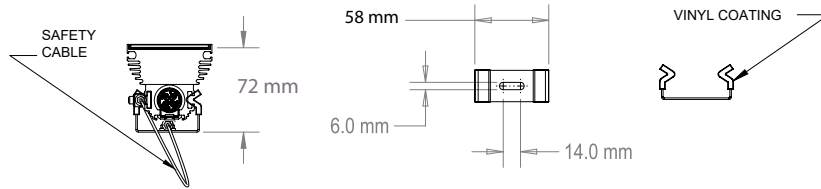
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PRODUCT SPECIFICATION SHEET

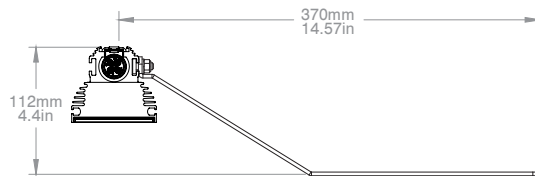
ORDERING LOGIC: STR9 MOUNTING ACCESSORIES

CLP - CLIP MOUNT KIT, NON-ADJUSTABLE



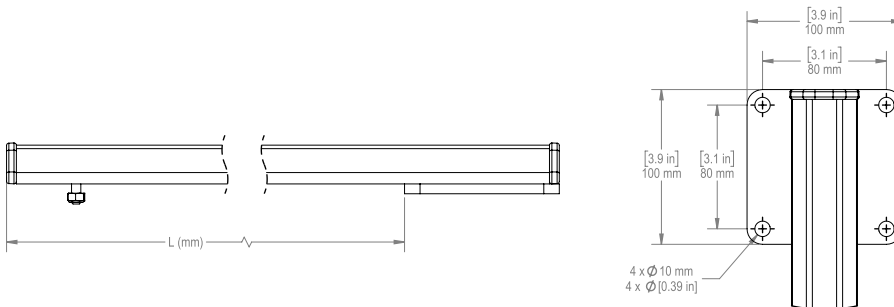
COLOR	PART NUMBER	WEIGHT
Stainless Steel	124859	0.21 kg (0.47 lbs)

MCD - CANTILEVER BRACKET, NON-ADJUSTABLE



COLOR	PART NUMBER	WEIGHT
Stainless Steel	121146	0.94 kg (2.08 lbs)

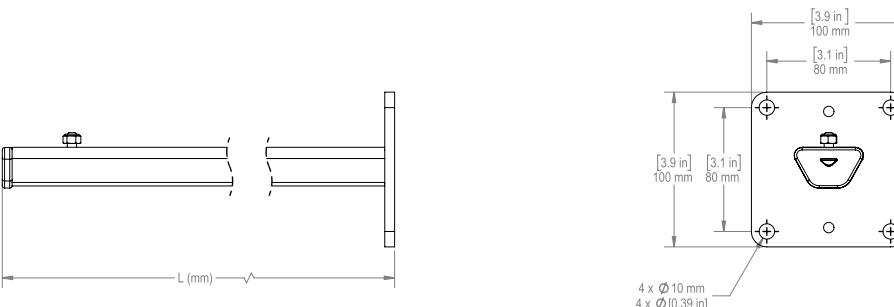
CH - ADJUSTABLE HORIZONTAL CANTILEVER BRACKET KIT - 100 MM TO 500 MM



*Fixture bracket not included, please order separately

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

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



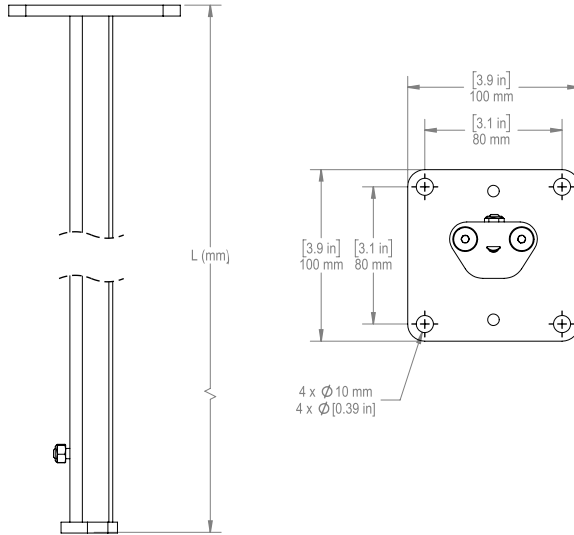
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Color Changing Linear Wall Washing and Grazing LED Lighting

PRODUCT SPECIFICATION SHEET

ORDERING LOGIC: STR9 MOUNTING ACCESSORIES

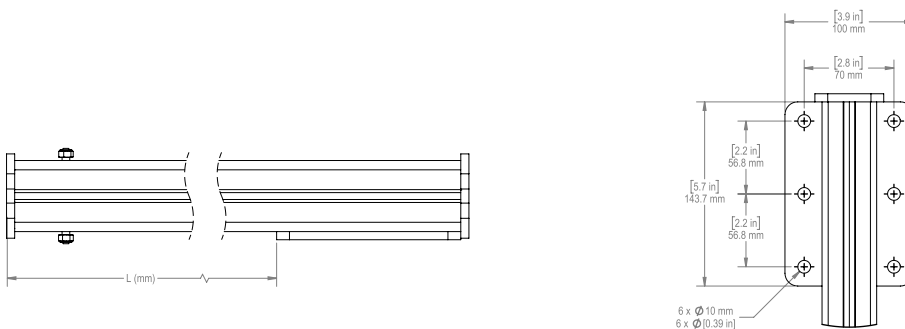
CC - ADJUSTABLE CEILING MOUNT CANTILEVER BRACKET KIT - 100 MM TO 1000 MM



*Fixture bracket not included, please order separately

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

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



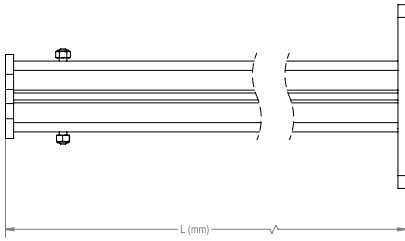
2020-12-01

Color Changing Linear Wall Washing and Grazing LED Lighting

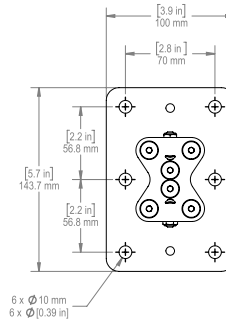
PRODUCT SPECIFICATION SHEET

ORDERING LOGIC: STR9 MOUNTING ACCESSORIES

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

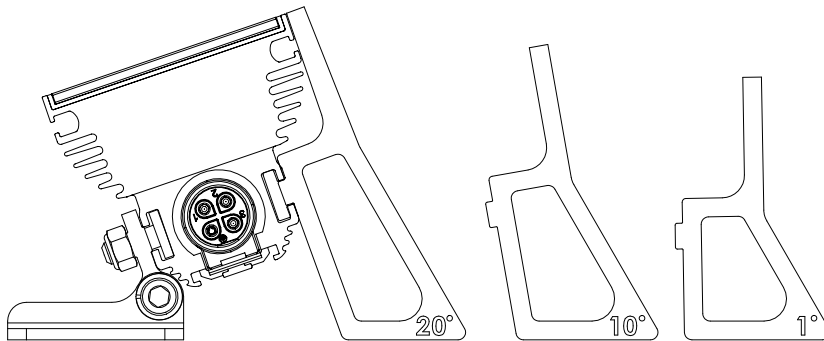


*Fixture bracket not included, please order separately



TYPE	CM	BM	WEIGHT
DCV-C-100	123628	123647	1.17 kg (2.57 lbs)
DCV-C-150	123629	123648	1.38 kg (3.04 lbs)
DCV-C-200	123630	123649	1.58 kg (3.50 lbs)
DCV-C-250	123631	123650	1.80 kg (3.96 lbs)
DCV-C-300	123632	123651	2.01 kg (4.42 lbs)
DCV-C-350	123633	123652	2.22 kg (4.88 lbs)
DCV-C-400	123634	123653	2.46 kg (5.35 lbs)
DCV-C-450	123635	123654	2.64 kg (5.81 lbs)
DCV-C-500	123636	123655	2.84 kg (6.27 lbs)

ANGLE ADJUSTMENT AND INSTALLATION TOOLS FOR SMA - ANGLES FROM 1° TO 20°



TYPE	PART NUMBER
1°	310066
2°	310067
3°	310068
4°	310069
5°	310070
6°	310071
7°	310072
8°	310073
9°	310074
10°	310075
11°	310076
12°	310077
13°	310078
14°	310079
15°	310080
16°	310081
17°	310082
18°	310083
19°	310084
20°	310085



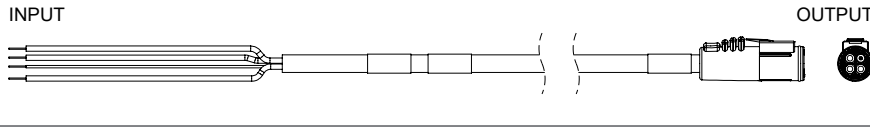
2020-12-01

Color Changing Linear Wall Washing and Grazing LED Lighting

PRODUCT SPECIFICATION SHEET

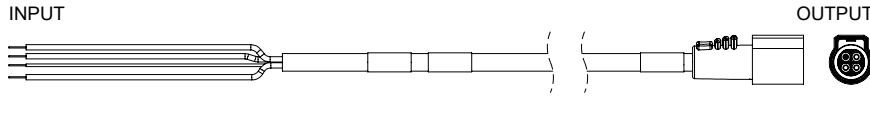
ORDERING LOGIC: STR9 MOUNTING ACCESSORIES

STR9 LEADER CABLE ELV



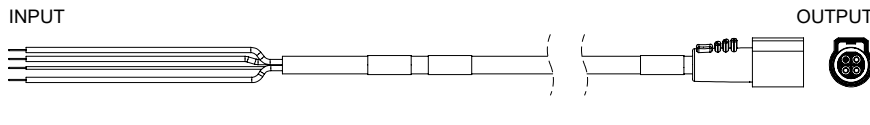
NOMINAL LENGTH	PART NUMBER	WEIGHT
3.0 m (9 ft)	141481	
6.0 m (19 ft)	141484	
9.0 m (30 ft)	141487	
15.0 m (50 ft)	141489	
30.0 m (100 ft)	141492	

STR9 LEADER CABLE INF



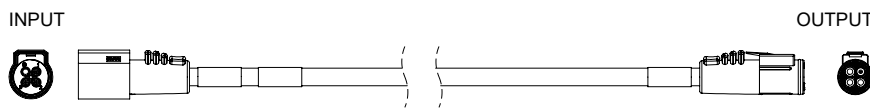
NOMINAL LENGTH	PART NUMBER	WEIGHT
3.0 m (9 ft)	141495	
6.0 m (19 ft)	141498	
9.0 m (30 ft)	141501	
15.0 m (50 ft)	141503	
30.0 m (100 ft)	141506	

STR9 LEADER CABLE AC



NOMINAL LENGTH	PART NUMBER	WEIGHT
3.0 m (9 ft)	141509	
6.0 m (19 ft)	141512	
9.0 m (30 ft)	141515	
15.0 m (50 ft)	141517	
30.0 m (100 ft)	141520	

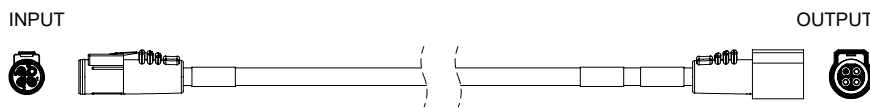
STR9 JUMPER CABLE ELV



NOMINAL LENGTH	PART NUMBER	WEIGHT
END to END	141603	
0.3 m (1 ft)	141739	
0.6 m (2 ft)	141740	
0.9 m (3 ft)	141741	
1.2 m (4 ft)	141742	
1.5 m (5 ft)	141743	
1.8 m (6 ft)	141744	
6.0 m (20 ft)	141758	
9.0 m (30 ft)	141768	

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

STR9 JUMPER CABLE INF and AC



NOMINAL LENGTH	PART NUMBER	WEIGHT
END to END	141602	
0.3 m (1 ft)	141789	
0.6 m (2 ft)	141790	
0.9 m (3 ft)	141791	
1.2 m (4 ft)	141792	
1.5 m (5 ft)	141793	
1.8 m (6 ft)	141794	
6.0 m (20 ft)	141808	
9.0 m (30 ft)	141818	

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

STR9 CABLE 3X14 AWG + 1X24 AWG



NOMINAL LENGTH	PART NUMBER	WEIGHT
Sold per m	280253	

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



2020-12-01

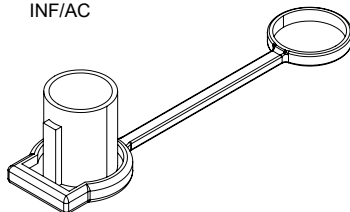
Color Changing Linear Wall Washing and Grazing LED Lighting

PRODUCT SPECIFICATION SHEET

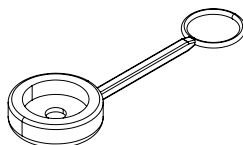
ORDERING LOGIC: STR9 MOUNTING ACCESSORIES

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

INF/AC



ELV



TYPE

STR-ELV
STR9-INF/AC

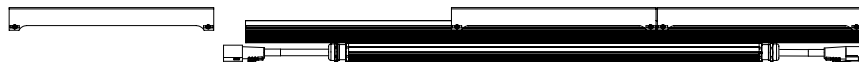
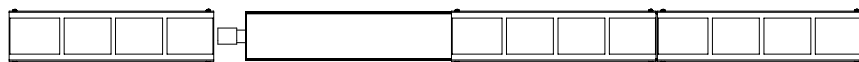
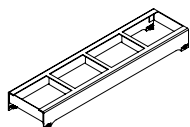
PART NUMBER

231182
230855

WEIGHT

3.40 g (0.11 oz)
6.24 g (0.22 oz)

STR9 GLARE CONTROL LOUVERS - 300 MM



COLOR

BLACK

PART NUMBER

122739

WEIGHT

0.09kg (0.19lbs)