

STR9®-GEN4

PRELIMINARY

COLOR CHANGING



STR9® SERIES | Linear Wall Washing & Grazing LED Lighting System

PRODUCT SPECIFICATION SHEET

DESCRIPTION

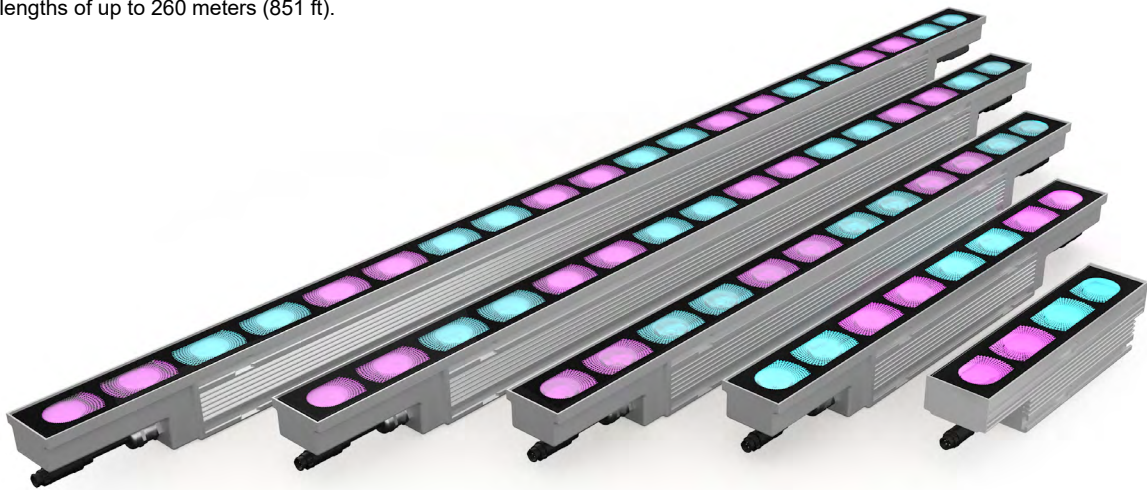
STR9® GEN4 COLOR CHANGING is the latest generation linear luminaire in the STR product series. Built on the award-winning COLOR-STREAM® platform, STR9® delivers exceptional performance and outstanding flexibility for architectural wall washing and grazing applications. Capable of communication speeds up to 16 times faster than DMX, liquid-smooth dimming, pixel resolution down to 150 mm and featuring INFINITY® technology, STR9® GEN4 COLOR CHANGING can be implemented for circuit lengths of up to 260 meters (851 ft).

DATE:

TYPE:

COMPANY:

PROJECT:



Pixel Resolution Down to 150 mm (6 in)

KEY FEATURES

- Compact size, only Width: 64 mm (2.5 in) x Height: 72 mm (2.8 in)
- High power luminaire up to 20 W/300 mm (1 ft)
- Up to 750 lumens per 300 mm/1 ft
- Built-In GVA's COLOR-AMP® Technology with accurate color control
- Down to 150 mm (6 in) pixel resolution
- COLOR-STREAM® platform delivers high speed communication (6.25 Mbps), up to 120 frames per second refresh rate, and 12-bit dimming resolution
- Power and Data through-wiring for end-to-end connection via sealed push lock connectors
- Up to 260 meters (851 ft) lighting circuit enabled by GVA's INFINITY® technology¹
- Up to 100 meter (328 ft) leader or jumper cables
- LED pitch is maintained between luminaires to eliminate dark spots
- 10° minimum beam angle (FWHM)
- Operating temperatures: -40°C (- 40°F) to + 50°C (122°F)
- Inherent progressive thermal protection
- 5 year limited warranty

OPTIONS

- 300 mm (1 ft), 600 mm (2 ft), 900 mm (3 ft), 1200 mm (4 ft), and 1500 mm (5 ft) nominal lengths
- Clear Matte or Black Matte anodized, custom finishes available upon request
- Color LEDs, RGB(W) or RGBA color changing, White LED available in: 2700K, 3000K, 4000K, 5000K, 6500K (3 step binning)
- Color mixing available in IM - Inner Mixing or 4L4 - 4 linear clusters of 4 LED
- Impressively wide range of symmetrical and elliptical optical distributions (15 options)
- Internal micro louvers or external louvers for glare control
- 5 W, 10 W, 15 W or 20 W per 300 mm (1 ft)
- 150 mm (6 in) pixel resolution
- INF (380 V DC) or AC (277 V AC, 240 V AC, 230 V AC, 208 V AC, 120 V AC, and 100 V AC) input
- Diverse range of communication protocols via GVA's Power-Data Converter PDC-G5: Art-Net 4, sACN, DMX-512A, DALI 2
- IP66 or IP50

1. Consult factory for details. See page 7-8.

STR9[®]-GEN4 PRELIMINARY COLOR CHANGING

INFINITY[®]
COLOR-AMP[®]
UNIBODY[™]
COLOR-STREAM[™]
GVA TECHNOLOGY
HEATTECHNOLOGY



GVA
LIGHTING

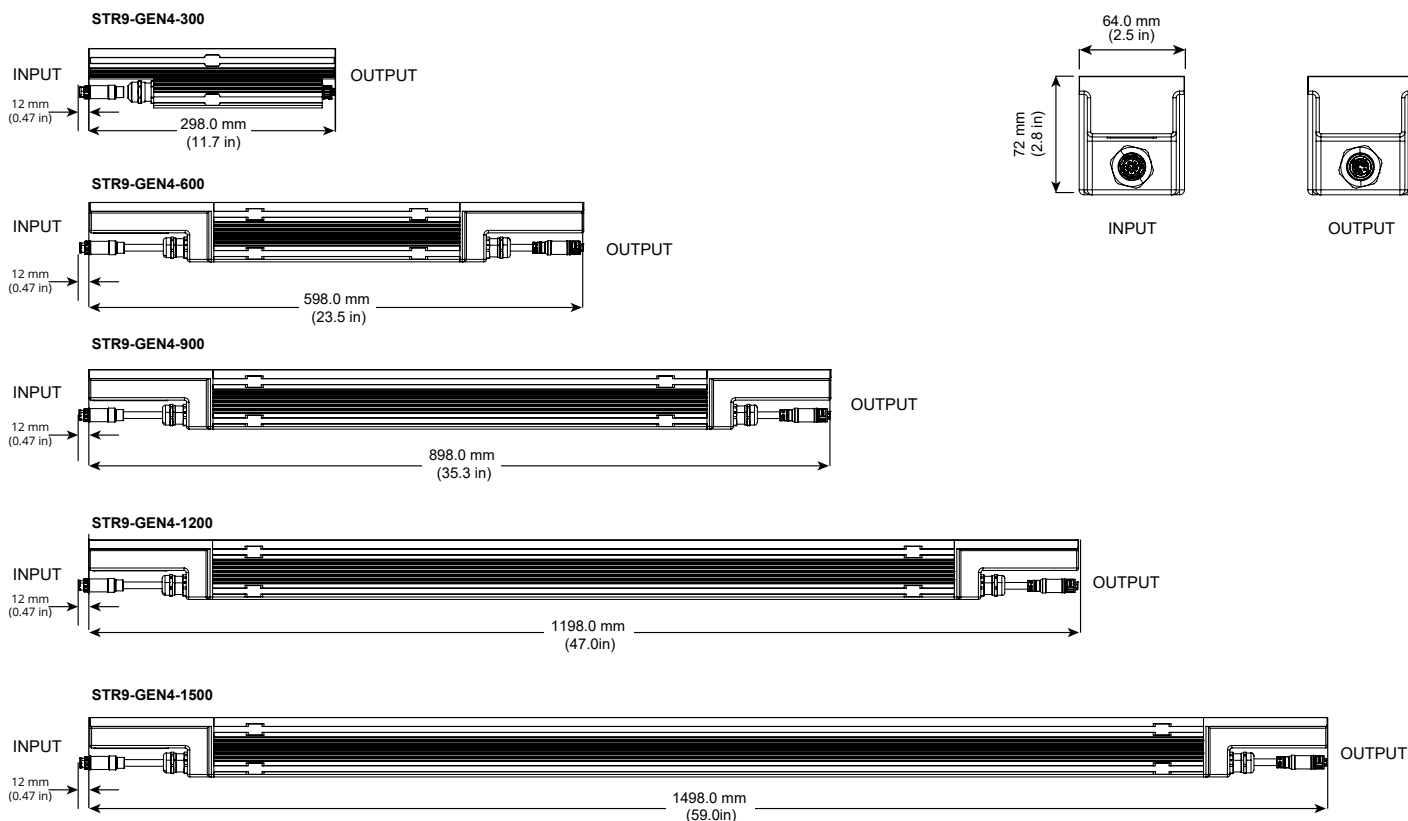
STR9[®] SERIES | Linear Wall Washing & Grazing LED Lighting System

PRODUCT SPECIFICATION SHEET

MECHANICAL FEATURES

- Rugged construction – extruded anodized aluminum and optically clear tempered glass housing (IK06¹)
- Designed to meet 3G ANSI C136.31-2010 vibration standard for bridge and overpass applications
- Through-wiring for end-to-end connection via sealed push lock connectors
- Diverse offering of adjustable brackets
- Wide range of operating temperatures: -40°C to +50°C (-40°F to +122°F) hot environment and -40°C to +30°C (-40°F to +86°F) for normal environment

DIMENSIONS



1. Higher IK configurations available, consult factory for details

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		MIN		NOMINAL		MAX	
VOLTAGE	INPUT VOLTAGE, INF	300 V DC		380 V DC		400 V DC	
	INPUT VOLTAGE, 277 V AC	249 V AC		277 V AC		305 V AC	
	INPUT VOLTAGE, 230 V AC	198 V AC		230 V AC		264 V AC	
	INPUT VOLTAGE, 120 V AC	90 V AC		120 V AC		132 V AC	
POWER	POWER CONSUMPTION	NOMINAL POWER PER 300 MM LENGTH	NOMINAL LENGTH (MM)				
			300	600	900	1200	1500
		INF/AC					
		5 W	5.5 W	11 W	16.5 W	22 W	27.5 W
		10 W	11 W	22 W	33.0 W	44 W	55 W
		15 W	16.5 W	33 W	49.5 W	66 W	82.5 W
		20 W	22 W	44 W	66 W	88 W	110 W
CURRENT	RATED CURRENT PER CIRCUIT	12 A					
PROTECTION	CIRCUIT LEVEL SURGE PROTECTION ²	6 KV/3 KA standard protection level, with option to increase to 12 KV/6 KA or 20 KV/10 KA					
DATA	INPUT PROTOCOL	GVA's COLOR-STREAM®					
CONTROL	CONTROL INTERFACE	Art-Net 4, sACN, DMX-512A, DALI 2 or 0~10V control via GVA Power-Data Equipment (PDC-GEN5)					
ENVIRONMENT	WORKING TEMPERATURE	-40°C ~ +50°C / -40°F ~ 122°F					
	STORAGE TEMPERATURE & HUMIDITY	-40°C ~ +80°C (-40°F ~ 176°F), 0%-60% RH (non-condensing)					
	STORAGE CONDITIONS	Product to be stored in non-saline, protected location above water and free of harmful gases containing sulphur and other corrosive elements					
	VIBRATION	Designed to meet ANSI C136.31-2018 to withstand intense vibration environments of bridges and overpasses (Test Level 2, 3G or 29.4 m/s²)					
	THERMAL PROTECTION	>75°C internal temperature → gentle foldback, derating LED output up to 15%					
		>90°C internal temperature → thermal shutdown, LED output disabled					
		<70°C during thermal shutdown → LED output re-enabled					
*Communication is maintained across all three regions, allowing remote status monitoring							

1. Designed to meet listed safety standards
2. In combination with PDC-GEN5

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CERTIFICATION & SAFETY	IEC CLASSIFICATIONS	AC/INF - Class I					
	ISO CERTIFICATIONS	ISO Certified Company for 9001:2015 and 14001:2015					
	CERTIFICATIONS	CE, QPS (US Field Evaluation) or ETL (Special Electric Equipment Inspection), IP66/IP50					
	SAFETY STANDARDS ¹	UL 8750, CAN/CSA-C22.2 No. 250.13, IEC/EN 60598-2-1					
	EMC EMISSION ¹	CISPR-15 Edition 9.0 2018, FCC Part 15 Class B					
	EMC IMMUNITY ²	Compliance to IEC 61547, IEC 61000-4-2 Class 4 ² , 61000-4-3 Level 3 ² , 61000-4-4 Level 4 ² , 61000-4-5 Level 4 ² , 61000-4-6, 61000-4-8					
PHYSICAL	HOUSING	Anodized extruded aluminum body and machined endcaps, optically clear tempered glass					
	DIMENSIONS	NOMINAL LENGTH (MM)	300	600	900	1200	1500
		LENGTH	298 mm (11.7 in)	598 mm (23.6 in)	898 mm (35.4 in)	1198 mm (47.2 in)	1498 mm (59.0 in)
		WIDTH X HEIGHT	64 mm x 72 mm (2.5 in x 2.8 in)				
	WEIGHT, NET, WITHOUT BRACKETS OR ACCESSORIES		1.1 kg (2.42 lbs)	2.7 kg (2.42 lbs)	4.3 kg (5.33 lbs)	5.8 kg (12.78 lbs)	7.2 kg (15.87 lbs)
MANUFACTURING/ ORIGIN	Designed and manufactured in Canada by GVA Lighting, Inc. ISO Certified Company for 9001:2015 and 14001:2015 - Quality Management System and Environmental Management System						

1. Designed to meet listed safety standards
2. In combination with PDC-GEN5

STR9®-GEN4 PRELIMINARY COLOR CHANGING

INFINITY
COLOR-AMP
UNIBODY
GVA TECHNOLOGY
COLOR-STREAM
HEAT TECHNOLOGY



GVA
LIGHTING

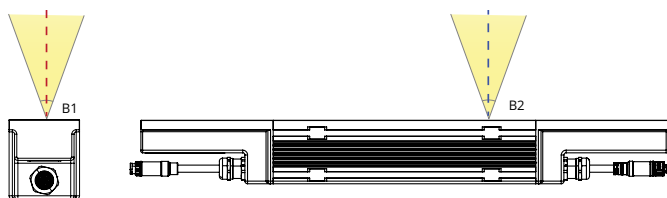
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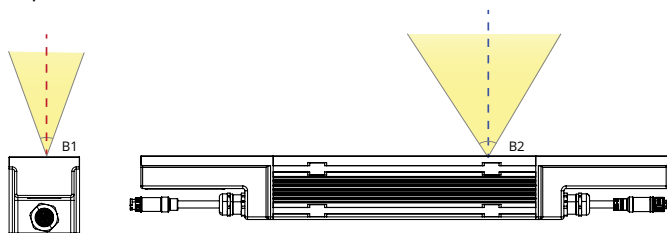
LIGHTING PERFORMANCE

- Up to 750 lumens per 300 mm/1 ft
- Pixel resolution options: : 300 mm or 150 mm per 300 mm/1 ft
- 5 RGBW (Red+Green+Blue+White) color changing configurations (where White can be selected between 2700K, 3000K, 4000K, 5000K and 6500K), as well as RGB and RGBA (RGB + Amber)
- 10° x 10°, 15° x 15°, 20° x 20°, 30° x 30°, 60° x 60°, 80° x 80°, 100° x 100°, 10° x 30°, 10° x 60°, 10° x 90°, 30° x 60°, 20° x 20° x 20° Right, 20° x 20° x 20° Left, 20° x 60° x 8° Right, 20° x 60° x 8° Left optical distributions
- LED pitch is maintained between luminaires to eliminate dark spots
- GVA's COLOR-AMP® technology achieves up to 3x higher light output in specific colors by utilizing all of the available power of a fixture
- Cool beam, no heat (IR) or UV generated from light source
- Projected LED lifetime L70 B50: 100,000hrs @ Ta 30°C / 86°F

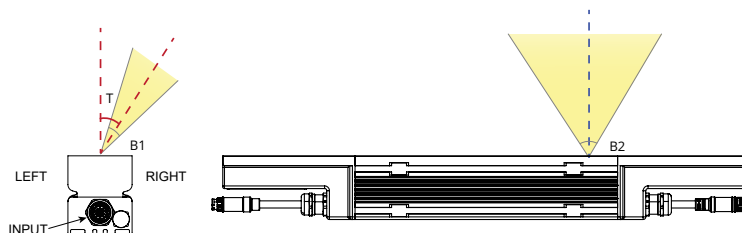
LIGHT DISTRIBUTION



Symmetrical beam angle: B1 x B2
Example : 30°x 30°



Elliptical beam angle: B1 x B2
Example : 30°x 60°



Asymmetrical beam angle: B1 x B2 x T (Left or Right Tilt)
Example **B08R**: 20°x 60°x 8°- Right Tilt from input side

LUMINOUS FLUX PER 300 MM (1 FT)¹

IM	NOMINAL WATTAGE/FT			
	5W/FT	10W/FT	15W/FT	20W/FT
RED				
GREEN				
BLUE				
WHITE (3000K)				
ALL ON				

4L4	NOMINAL WATTAGE/FT			
	5W/FT	10W/FT	15W/FT	20W/FT
RED				
GREEN				
BLUE				
WHITE (3000K)				
ALL ON				

COLOR LEDs WAVELENGTH²

COLOR- IM	DOMINANT WAVELENGTH TYPICAL (nm)	
	MIN	MAX
RED	620	624
GREEN	525	531
BLUE	453	457
AMBER	585	595

COLOR LEDs WAVELENGTH²

COLOR- 4L4	DOMINANT WAVELENGTH TYPICAL (nm)	
	MIN	MAX
RED		
GREEN		
BLUE		
AMBER		

1. Measurements performed for STR10 with a 10° beam angle and 3000K.
2. For specific wavelength, other than above, consult factory.

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DIMMING & CONTROL

- All LED modules are dimmable and controllable by default
- Pixel resolution: 300 mm (12 in) or 150 mm (6 in)
- Can be controlled by Art-Net 4, sACN, DMX-512A, DALI 2 through GVA's Power-Data Converter PDC-GEN5
- GVA's proprietary communication protocol COLOR-STREAM[®] allows up to 120 Hz refresh rate with the default 60 Hz
- 12-bit dimming resolution with 4,096 micro-steps for each color and very smooth dimming and color transition
- Up to 40 kHz equivalent dimming frequency guarantees flicker-free lighting for human eye and high-speed video cameras
- 100% to 0.02% absolute minimum dimming range, flicker free dimming range: 100% to 0.2%
- No audible noise in full dimming range
- Configurable exponential dimming curve matches the human eye's perceived changes in brightness

PIXEL RESOLUTION

STR9-GEN4-600

PIXEL
RESOLUTION
DOWN TO
300 mm (12 in)

STR9-GEN4-600

PIXEL
RESOLUTION
DOWN TO
150 mm (6 in)

1. Limitations apply. Consult with factory.

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MAXIMUM RECOMMENDED¹ LIGHTING CIRCUIT LENGTH IN

METERS

Maximum circuit length, in meters, per 300 mm increments per pixel resolution, per desirable refresh rate, per LED module's wattage and per input voltage. Calculated for 5 m, 30 m and 100 m of leader cable length. The below numbers represent linear meters of fixtures

AC (120 - 277 V AC) ²																						
LEADER CABLE LENGTH	RE-FRESH RATE	RESOLUTION	120 V AC				208 V AC				230 V AC				240 V AC				277 V AC			
			5W	10W	15W	20W	5W	10W	15W	20W	5W	10W	15W	20W	5W	10W	15W	20W	5W	10W	15W	20W
5 m	30Hz	R150	82	42	29	22	142	74	50	38	157	82	55	42	164	85	57	43	189	98	66	50
		R300	82	42	29	22	142	74	50	38	157	82	55	42	164	85	57	43	189	98	66	50
	60Hz	R150	82	42	29	22	142	74	50	38	150	82	55	42	150	85	57	43	150	98	66	50
		R300	82	42	29	22	142	74	50	38	157	82	55	42	164	85	57	43	189	98	66	50
	120Hz	R150	75	42	29	22	75	74	50	38	75	75	55	42	75	75	57	43	75	75	66	50
		R300	82	42	29	22	142	74	50	38	150	82	55	42	150	85	57	43	150	98	66	50
30 m	30Hz	R150	78	41	27	21	138	72	48	37	154	80	54	41	160	83	56	42	186	96	65	49
		R300	78	41	27	21	138	72	48	37	154	80	54	41	160	83	56	42	186	96	65	49
	60Hz	R150	78	41	27	21	138	72	48	37	150	80	54	41	150	83	56	42	150	96	65	49
		R300	78	41	27	21	138	72	48	37	154	80	54	41	160	83	56	42	186	96	65	49
	120Hz	R150	75	41	27	21	75	72	48	37	75	75	54	41	75	75	56	42	75	75	65	49
		R300	78	41	27	21	138	72	48	37	150	80	54	41	150	83	56	42	150	96	65	49
100 m	30Hz	R150	69	36	24	18	129	67	45	34	144	75	51	38	151	78	53	40	176	91	62	47
		R300	69	36	24	18	129	67	45	34	144	75	51	38	151	78	53	40	176	91	62	47
	60Hz	R150	69	36	24	18	129	67	45	34	144	75	51	38	150	78	53	40	150	91	62	47
		R300	69	36	24	18	129	67	45	34	144	75	51	38	151	78	53	40	176	91	62	47
	120Hz	R150	69	36	24	18	75	67	45	34	75	75	51	38	75	75	53	40	75	75	62	47
		R300	69	36	24	18	129	67	45	34	144	75	51	38	150	78	53	40	150	91	62	47

1. Run lengths may vary depending on luminaire length combination chosen. Please consult factory for layout configuration.
2. Type D breaker required for 277V AC. Do not exceed 50 luminaires per run.

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MAXIMUM RECOMMENDED¹ LIGHTING CIRCUIT LENGTH IN METERS

Maximum circuit length, in meters, per 300 mm increments per pixel resolution, per desirable refresh rate, per LED module's wattage and per input voltage. Calculated for 5 m, 30 m and 100 m of leader cable length. The below numbers represent linear meters of fixtures

INF (380 V DC)						
LEADER CABLE LENGTH	RE-FRESH RATE	RESOLUTION	380 V DC			
			5W	10W	15W	20W
5 m	30Hz	R150	260	134	91	69
		R300	260	134	91	69
	60Hz	R150	150	134	91	69
		R300	260	134	91	69
	120Hz	R150	75	75	75	69
		R300	150	134	91	69
30 m	30Hz	R150	256	132	90	68
		R300	256	132	90	68
	60Hz	R150	150	132	90	68
		R300	256	132	90	68
	120Hz	R150	75	75	75	68
		R300	150	132	90	68
100 m	30Hz	R150	246	128	86	65
		R300	246	128	86	65
	60Hz	R150	150	128	86	65
		R300	246	128	86	65
	120Hz	R150	75	75	75	65
		R300	150	128	86	65

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MAXIMUM RECOMMENDED¹ LIGHTING CIRCUIT LENGTH IN

FEET

Maximum circuit length, in feet, per 1 ft increments per pixel resolution, per desirable refresh rate, per LED module's wattage and per input voltage. Calculated for 16 ft, 100 ft and 330 ft of leader cable length. The below numbers represent linear feet of fixtures

AC (120 - 277 V AC) ²																							
LEADER CABLE LENGTH	RE-FRESH RATE	RESOLUTION	120 V AC				208 V AC				230 V AC				240 V AC				277 V AC				
			5W	10W	15W	20W	5W	10W	15W	20W	5W	10W	15W	20W	5W	10W	15W	20W	5W	10W	15W	20W	
16 ft	30Hz	R150	267	138	93	70	464	241	162	123	514	267	180	135	536	277	187	141	620	320	216	163	
		R300	267	138	93	70	464	241	162	123	514	267	180	135	536	277	187	141	620	320	216	163	
	60Hz	R150	267	138	93	70	464	241	162	123	493	267	180	135	493	277	187	141	493	320	216	163	
		R300	267	138	93	70	464	241	162	123	514	267	180	135	536	277	187	141	620	320	216	163	
	120Hz	R150	247	138	93	70	247	241	162	123	247	247	180	135	247	247	187	141	247	247	216	163	
		R300	267	138	93	70	464	241	162	123	493	267	180	135	493	277	187	141	493	320	216	163	
100 ft	30Hz	R150	256	132	89	67	453	235	158	120	503	260	176	132	525	271	184	138	608	314	212	160	
		R300	256	132	89	67	453	235	158	120	503	260	176	132	525	271	184	138	608	314	212	160	
	60Hz	R150	256	132	89	67	453	235	158	120	493	260	176	132	493	271	184	138	493	314	212	160	
		R300	256	132	89	67	453	235	158	120	503	260	176	132	525	271	184	138	608	314	212	160	
	120Hz	R150	247	132	89	67	247	235	158	120	247	247	176	132	247	247	184	138	247	247	212	160	
		R300	256	132	89	67	453	235	158	120	493	260	176	132	493	271	184	138	493	314	212	160	
330 ft	30Hz	R150	225	117	78	60	423	218	148	111	472	244	165	125	494	255	173	130	577	299	201	152	
		R300	225	117	78	60	423	218	148	111	472	244	165	125	494	255	173	130	577	299	201	152	
	60Hz	R150	225	117	78	60	423	218	148	111	472	244	165	125	493	255	173	130	493	299	201	152	
		R300	225	117	78	60	423	218	148	111	472	244	165	125	494	255	173	130	577	299	201	152	
	120Hz	R150	225	117	78	60	247	218	148	111	247	244	165	125	247	247	173	130	247	247	201	152	
		R300	225	117	78	60	423	218	148	111	472	244	165	125	493	255	173	130	493	299	201	152	

1. Run lengths may vary depending on luminaire length combination chosen. Please consult factory for layout configuration.
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MAXIMUM RECOMMENDED¹ LIGHTING CIRCUIT LENGTH IN

FEET

Maximum circuit length, in feet, per 1 ft increments per pixel resolution, per desirable refresh rate, per LED module’s wattage and per input voltage. Calculated for 16 ft, 100 ft and 330 ft of leader cable length. The below numbers represent linear feet of fixtures

INF (380 V DC)						
LEADER CABLE LENGTH	RE-FRESH RATE	RESOLUTION	380 V DC			
			5W	10W	15W	20W
16 ft	30Hz	R150	851	439	297	224
		R300	851	439	297	224
	60Hz	R150	493	439	297	224
		R300	851	439	297	224
	120Hz	R150	247	247	247	224
		R300	493	439	297	224
100 ft	30Hz	R150	839	434	293	221
		R300	839	434	293	221
	60Hz	R150	493	434	293	221
		R300	839	434	293	221
	120Hz	R150	247	247	247	221
		R300	493	434	293	221
330 ft	30Hz	R150	808	418	282	212
		R300	808	418	282	212
	60Hz	R150	493	418	282	212
		R300	808	418	282	212
	120Hz	R150	247	247	247	212
		R300	493	418	282	212

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SPECIFICATION LOGIC

FAMILY	NOMINAL LENGTH (mm)	BODY COLOR	POWER PER 300 mm (1 FT)	PIXEL RESOLUTION	LED COLOR	COLOR MIXING	NOMINAL BEAM ANGLE (FWHM)	INTERNAL GLARE CONTROL ACCESSORIES	NOMINAL INPUT VOLTAGE	IP	COMPLIANCE
STR9-G4	300	CM	5W	R300	RGBW30K	IM	10	O	INF	66	N
	600	Clear	10W	300 mm	RGBA	Inner	10° x 10°	No Accessories	380 V DC	IP66	North America (UL/ANSI)
	900	Matte	15W	(12 in)		Mixing	15	H	277	50	E
	1200	Anodized		pixel size			15° x 15°	Microlouver Horizontal	277 V AC Single-Phase	IP50²	European Union (CE)
	1500	BM	20W	R150			20	V	240		U
		Black		150 mm			20° x 20°	Microlouver Vertical	240 V AC Single-Phase		United Kingdom (UKCA)
		Matte		(6 in)			30	L			
		Anodized		pixel size			30° x 30°	Half Frosted Glass Left			
		XXXXX		R75	RGBW	4L4	60	R	230		C
		Custom		75 mm	RGBA	4 Linear clusters of 4 LEDs	60° x 60°	Half Frosted Glass Right	230 V AC Single-Phase		China (CCC)¹
		Color		(6 in)			80	T	208		A
				pixel size¹			80° x 80°	Half Frosted Glass Left + Micro Louver Vertical	208 V AC Phase-to-Phase¹		Australia & New Zealand (AS/NZS)¹
							100	J	120		S
							100° x 100°	Half Frosted Glass Right + Micro Louver Vertical	120 V AC		Saudi Arabia (SASO)¹
							1030				J
							10° x 30°				Japan (PSE)¹
							1060				
							10° x 60°				
							1090				
							10° x 90°				
							3060				
							30° x 60°				
							A20R				
							20° x 20° x 20° Right				
							A20L				
							20° x 20° x 20° Left				
							B08R				
							20° x 60° x 8° Right				
							B08L				
							20° x 60° x 8° Left				

PRODUCT CONFIGURATION - IM - INNER MIXING

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PRODUCT CONFIGURATION - 4L4

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1. Under development. Consult with factory
2. Minor visual design differences compared to IP66 design

STR9[®]-GEN4

PRELIMINARY

COLOR CHANGING



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PRODUCT SPECIFICATION SHEET

ORDERING LOGIC: STR9-GEN4[®] MOUNTING ACCESSORIES

INTERNAL LOUVERS

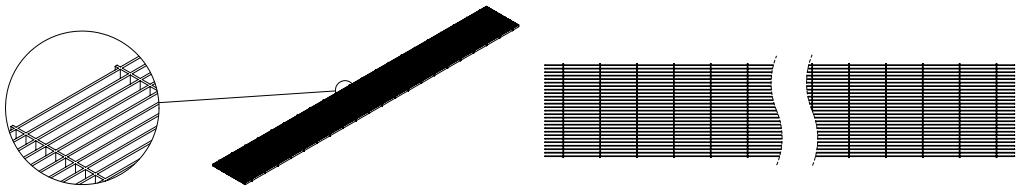
TYPE	COLOR	WEIGHT (Per 300mm)	
		kg	lbs

H - INTERNAL
MICRO LOUVER,
HORIZONTAL

BLACK

0.16

0.35



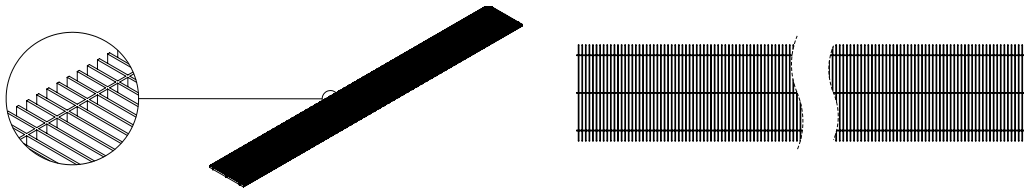
*Please select option in the specification logic table if required. Item is factory installed only.

V - INTERNAL
MICRO LOUVER,
VERTICAL

BLACK

0.16

0.35



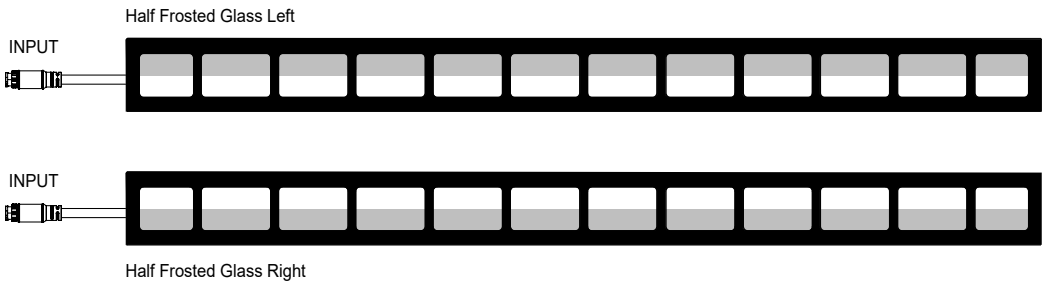
*Please select option in the specification logic table if required. Item is factory installed only.

EXTERNAL LOUVERS

NOMINAL LENGTH	PART NUMBER	COLOR
----------------	-------------	-------

- 300 mm (1 ft)¹
- 600 mm (2 ft)
- 900 mm (3 ft)
- 1200 mm (4 ft)
- 1500 mm (5 ft)

HALF-FROSTED GLASS



1. Modular Louver can be used on any standard length

STR9®-GEN4 PRELIMINARY COLOR CHANGING

INFINITY
COLOR-AMP
UNIBODY
COLOR-STREAM



GVA
LIGHTING

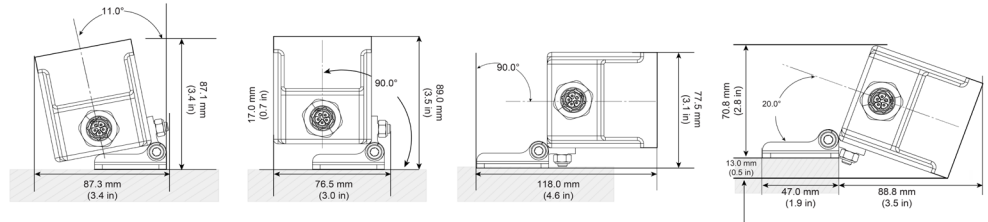
STR9® SERIES | Linear Wall Washing & Grazing LED Lighting System

PRODUCT SPECIFICATION SHEET

ORDERING LOGIC: STR9-GEN4® MOUNTING ACCESSORIES

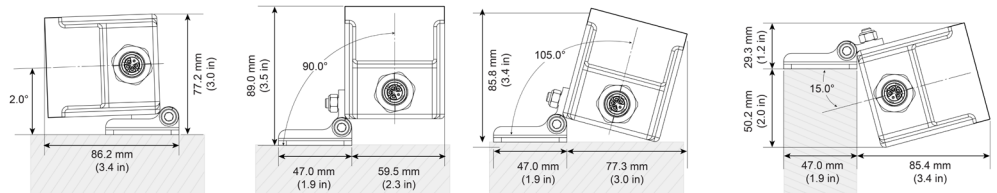
SMA-I ADJUSTABLE SURFACE MOUNT-INSIDE

SURFACE FINISH	PART NUMBER	WEIGHT	
		kg	lbs
Clear Matte Anodized	127538	0.09	0.20
Black Matte Anodized	127539		



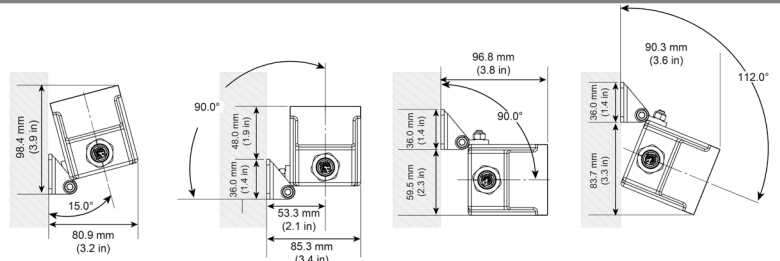
SMA-O ADJUSTABLE SURFACE MOUNT-OUTSIDE

SURFACE FINISH	PART NUMBER	WEIGHT	
		kg	lbs
Clear Matte Anodized	127538	0.09	0.20
Black Matte Anodized	127539		



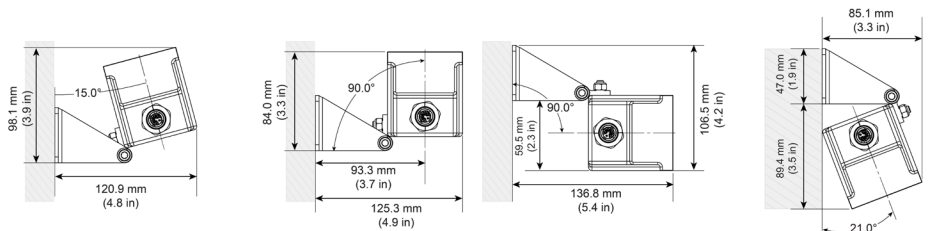
W55 ADJUSTABLE WALL MOUNT (SURFACE MOUNTABLE)

SURFACE FINISH	PART NUMBER	WEIGHT	
		kg	lbs
Clear Matte Anodized	121128	0.10	0.21
Black Matte Anodized	121129		



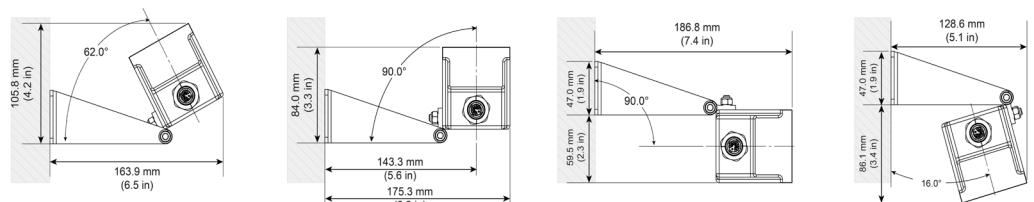
W90 ADJUSTABLE WALL MOUNT

SURFACE FINISH	PART NUMBER	WEIGHT	
		kg	lbs
Clear Matte Anodized	121130	0.12	0.27
Black Matte Anodized	121131		



W140 ADJUSTABLE WALL MOUNT

SURFACE FINISH	PART NUMBER	WEIGHT	
		kg	lbs
Clear Matte Anodized	121132	0.15	0.32
Black Matte Anodized	121133		



STR9[®]-GEN4

PRELIMINARY

COLOR CHANGING



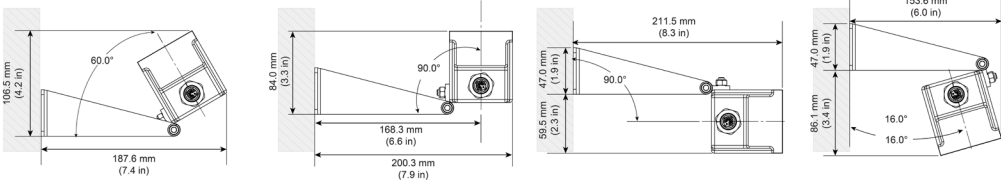
STR9[®] SERIES | Linear Wall Washing & Grazing LED Lighting System

PRODUCT SPECIFICATION SHEET

ORDERING LOGIC: STR9-GEN4[®] MOUNTING ACCESSORIES

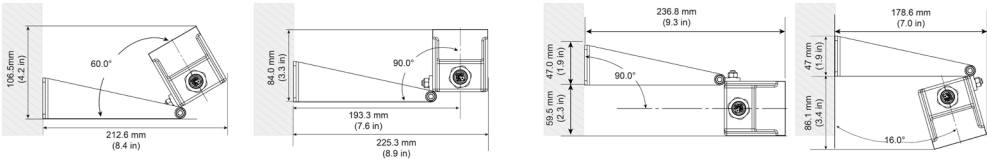
W165 ADJUSTABLE WALL MOUNT

SURFACE FINISH	PART NUMBER	WEIGHT	
		kg	lbs
Clear Matte Anodized	121136	0.16	0.35
Black Matte Anodized	121137		



W190 ADJUSTABLE WALL MOUNT

SURFACE FINISH	PART NUMBER	WEIGHT	
		kg	lbs
Clear Matte Anodized	125441	0.17	0.38
Black Matte Anodized	125447		



STR9®-GEN4 PRELIMINARY COLOR CHANGING

INFINITY
COLOR-AMP
UNIBODY
COLOR-STREAM
GVA TECHNOLOGY
WATTECHNOLOGY



GVA
LIGHTING

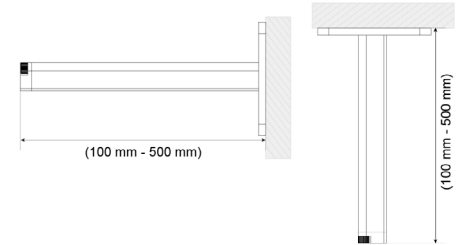
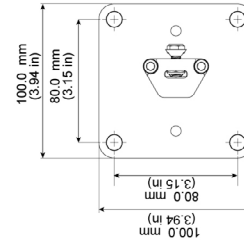
STR9® SERIES | Linear Wall Washing & Grazing LED Lighting System

PRODUCT SPECIFICATION SHEET

ORDERING LOGIC: STR9 MOUNTING ACCESSORIES

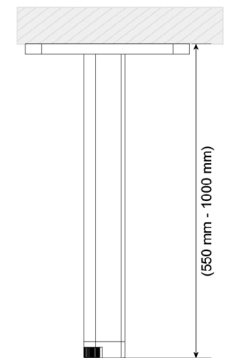
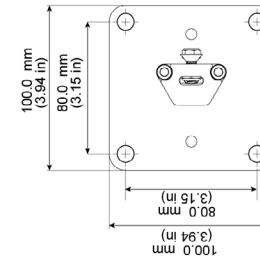
CCV - CANTILEVER CEILING AND VERTICAL MOUNT - 100 MM - 500 MM

TYPE	LENGTH (mm)	COLOR	MOUNTING CONFIGURATION	UP QTY
CCV	100	CM - Clear Matte	WXX - Compatible with W series brackets ¹	U1 - 1 luminaire
	150	BM - Black Matte		UX - Custom qty ²
	200	XXXXXX- Custom Color	SMA.STR9 - Compatible with STR9 SMA brackets ¹	
	250			
	300			
	350			
	400			
	450			
	500			



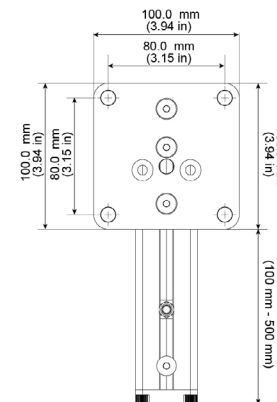
CC - CANTILEVER CEILING MOUNT - 550 MM - 1000 MM

TYPE	LENGTH (mm)	COLOR	MOUNTING CONFIGURATION	UP QTY
CC	550	CM - Clear Matte	WXX - Compatible with W series brackets ¹	U1 - 1 luminaire
	600	BM - Black Matte		UX - Custom qty ²
	650	XXXXXX- Custom Color	SMA.STR9 - Compatible with STR9 SMA brackets ¹	
	700			
	750			
	800			
	850			
	900			
	950			
	1000			



CHD - CANTILEVER HORIZONTAL MOUNT, DOWNLIGHT - 100 MM - 500 MM

TYPE	LENGTH (mm)	COLOR	MOUNTING CONFIGURATION (DOWN)	DOWN QTY
CHD	100	CM - Clear Matte	WXX - Compatible with W series brackets ¹	D1 - 1 luminaire
	150	BM - Black Matte		DX - Custom qty ²
	200	XXXXXX- Custom Color	SMA.STR9 - Compatible with STR9 SMA brackets ¹	
	250			
	300			
	350			
	400			
	450			
	500			



1. Brackets not included. Order one set per luminaire separately
2. Consult with factory

STR9®-GEN4

PRELIMINARY

COLOR CHANGING



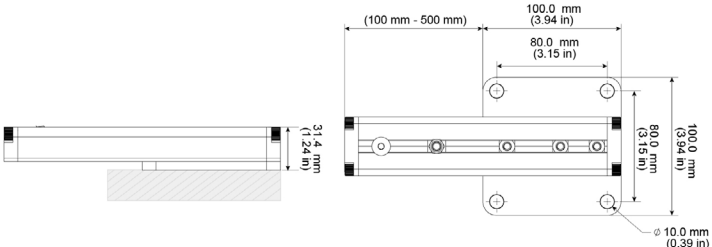
STR9® SERIES | Linear Wall Washing & Grazing LED Lighting System

PRODUCT SPECIFICATION SHEET

ORDERING LOGIC: STR9 MOUNTING ACCESSORIES

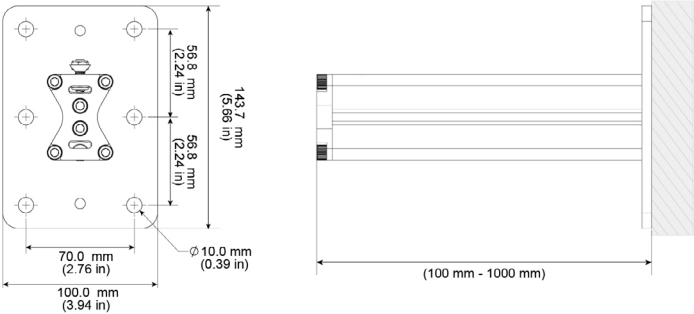
CHU - CANTILEVER HORIZONTAL MOUNT, UPLIGHT - 100 MM - 500 MM

TYPE	LENGTH (mm)	COLOR	MOUNTING CONFIGURATION (UP)	UP QTY
CHU	100	CM - Clear Matte	WXX - Compatible with W series brackets¹	U1 - 1 luminaire
	150	BM - Black Matte		UX - Custom qty²
	200	XXXXX- Custom Color	SMA.STR9 - Compatible with STR9 SMA brackets¹	
	250			
	300			
	350			
	400			
	450			
	500			



DCCV - DOUBLE CANTILEVER VERTICAL & CEILING MOUNT - 100 MM-1000MM

TYPE	LENGTH (mm)	COLOR	MOUNTING CONFIGURATION (UP)	UP QTY	MOUNTING CONFIGURATION (DOWN)	DOWN QTY
DCCV	100	CM - Clear Matte	WXX - Compatible with W series brackets¹	U0 - No luminaire	WXX - Compatible with W series brackets¹	D0 - No luminaire
	150	BM - Black Matte		U1 - 1 luminaire		D1 - 1 luminaire
	200	XXXXX- Custom Color	SMA.STR9 - Compatible with STR9 SMA brackets¹	UX - Custom qty²	SMA.STR9 - Compatible with STR9 SMA brackets¹	DX - Custom qty²
	250					
	300					
	350					
	400					
	450					
	500					
	550					
	600					
	650					
	700					
	750					
	800					
	850					
	900					
	950					
	1000					



1. Brackets not included. Order one set per luminaire separately
2. Consult with factory

STR9®-GEN4 PRELIMINARY COLOR CHANGING



STR9® SERIES | Linear Wall Washing & Grazing LED Lighting System

PRODUCT SPECIFICATION SHEET

LEADER AND JUMPER CABLE CONSTRUCTION

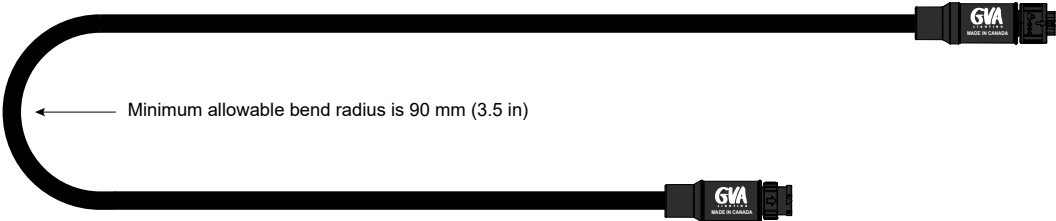
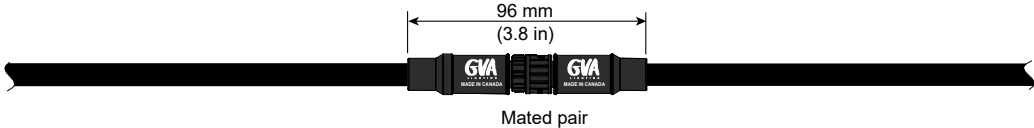
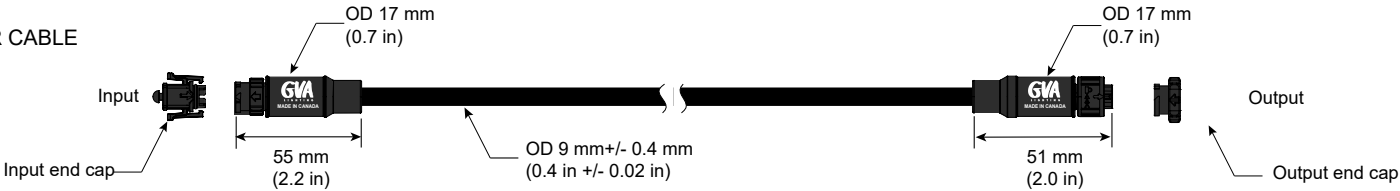
- Cable UL AWM/STYLE 22051, CSA C(RU) AWM I/II A/B FT1, 90°C Dry, 75°C Wet, 600Vrms, Sun Resistant, Hard Usage, CE EU Low Voltage Directive 2014/35 EU, Black Jacket
- Cable construction: 3x14 AWG power and grounding conductors and 2x24 AWG control conductors
- Rated operating temperature is -40°C to + 90°C (-40°F to +194°F) in dry locations and -40°C to + 75°C (-40°F to +167°F) in wet locations
- Leader and jumper cables come with preinstalled input and output connector caps

DIMENSIONS

LEADER CABLE



JUMPER CABLE



INF LEADER CABLE FLYING LEADS		
WIRE COLOR	WIRE GAUGE	COLOR CODE
RED	14 AWG	DC (+)
BLACK	14 AWG	DC (-)
GREEN	14 AWG	GROUND / PE
YELLOW	24 AWG	DATA CS+
BLUE	24 AWG	DATA CS-

AC LEADER CABLE FLYING LEADS		
WIRE COLOR	WIRE GAUGE	COLOR CODE
RED	14 AWG	LINE
BLACK	14 AWG	NEUTRAL
GREEN	14 AWG	GROUND / PE
YELLOW	24 AWG	DATA CS+
BLUE	24 AWG	DATA CS-

STR9®-GEN4

PRELIMINARY

COLOR CHANGING



STR9® SERIES | Linear Wall Washing & Grazing LED Lighting System

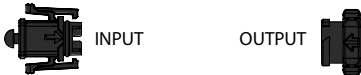
PRODUCT SPECIFICATION SHEET

SPECIFICATION LOGIC: LEADER AND JUMPER CABLE

CABLE TYPE	VOLTAGE	LENGTH
LC - Leader Cable	INF3+CS AC3+CS	1M - 1 m (3.28 ft)
		5M - 5 m (16.40 ft)
		10M - 10 m (32.81 ft)
		20M - 20 m (65.61 ft)
		30M - 30 m (98.43 ft)
		40M - 40 m (131.23 ft)
		50M - 50 m (164.04 ft)
		60M - 60 m (196.85 ft)
		70M - 70 m (229.65 ft)
		80M - 80 m (262.46 ft)
		90M - 90 m (295.27 ft)
		100M - 100 m (328.08 ft)
		XX.XXM - CUSTOM XX.XX m
JC - Jumper Cable	INF3/AC3+CS	0.15M - 0.15 m (0.50 ft)
		0.3M - 0.30 m (0.98 ft)
		0.5M - 0.50 m (1.64 ft)
		0.75M - 0.75 m (2.46 ft)
		1M - 1.00 m (3.28 ft)
		2.5M - 2.50 m (8.20 ft)
		5M - 5.00 m (16.40 ft)
		10M - 10.00 m (32.81 ft)
		15M - 15.00 m (49.21 ft)
		20M - 20.00 m (65.61 ft)
		25M - 25.00 m (82.02 ft)
		30M - 30.00 m (98.43 ft)
		35M - 35.00 m (114.83 ft)
		40M - 40.00 m (131.23 ft)
		45M - 45.00 m (147.64 ft)
		50M - 50 m (164.04 ft)
		60M - 60 m (196.85 ft)
		70M - 70 m (229.65 ft)
		80M - 80 m (262.46 ft)
		90M - 90 m (295.27 ft)
		100M - 100 m (328.08 ft)
		XX.XXM - CUSTOM XX.XX m

CONNECTOR CAP, IP67

PART NUMBER	TYPE	WEIGHT
232121	CONNECTOR CAP FOR INPUT	1.10 g
232638	CONNECTOR CAP FOR OUTPUT	0.96 g



STR9®-GEN4 PRELIMINARY COLOR CHANGING

INFINITY
COLOR-AMP
UNIBODY
COLOR-STREAM



GVA
LIGHTING

STR9® SERIES | Linear Wall Washing & Grazing LED Lighting System

PRODUCT SPECIFICATION SHEET

ORDERING LOGIC: POWER SUPPLIES AND POWER DATA EQUIPMENT

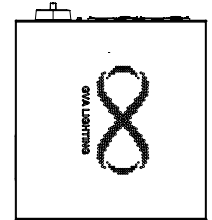
POWER-DATA CONVERTERS

FAMILY	VOLTAGE	INPUT DATA PROTOCOL	# OF OUTPUTS	TYPE OF OUTPUT	LEVEL OF SURGE	CABLE FITTINGS	COMPLIANCE	ADDRESSING
PDC-G5	INF - 380 V DC	ARTNET/SACNRJ45 - Art-Net or streaming sACN with Ethernet RJ45 Input	1	INF3+CS ⁴	6KV3KA- 6 KV and 3 KA surge protection	G - Cable glands	N - North America (UL/ANSI)	D - Default
	AC - 120-277 V AC	ARTNET/SACNFO- Art-Net or streaming sACN with Fiber-Optic Input ¹	2	AC3+CS	12KV6KA ⁵ - 12 KV and 6 KA surge protection	F - Conduit fitting	E - European Union (CE)	A - Addressed
		1DMX/RDM One DMX universe Input + One DMX Output			20KV10KA ⁵ - 20 KV and 10 KA surge protection	B - Cable glands & conduit fittings	U - United Kingdom (UKCA)	
		2DMX/RDM Two DMX universes Input					C - China (CCC) ¹	
		4DMX/RDM Four DMX universes Input					A - Australia & New Zealand (AS/NZS) ¹	
		DALI/0-10V DALI-2, 0~10V (monochromatic configurations only)					S - Saudi Arabia (SASO) ¹	
							J- Japan (PSE) ¹	



INFINITY POWER SUPPLIES IP30

PART NUMBER	DESCRIPTION
G20488	POWER SUPPLY, PS-INF-3KW, 1-MODULE, 120/(208-240)/277 V AC, IP30 ²
G20491	POWER SUPPLY, PS-INF-6KW, 2-MODULE, 120/(208-240)/277 V AC, IP30 ²



INFINITY POWER SUPPLIES IP66

FAMILY	OUTPUT VOLTAGE	POWER	INPUT VOLTAGE	INPUT SURGE PROTECTION	COMPLIANCE	CONSTRUCTION
PS	INF - 380 V DC	3.5KW	240 - 240 V AC	6KV/3KA	N - North America (UL/ANSI)	IP66
			230 - 230 V AC	12KV/6KA	E - European Union (CE)	
			208 - 208 V AC	20KV/10KA	U - United Kingdom (UKCA)	
			120 - 120 V AC ⁶		C - China (CCC) ¹	
			100 - 100 V AC ⁶		A - Australia & New Zealand (AS/NZS) ¹	
					S - Saudi Arabia (SASO) ¹	
					J- Japan (PSE) ¹	



1. Under development. Consult with factory
2. Power derated to 1.7 KW for G20488 and 3.4 KW for G20491 when supplied with 120 V AC
3. INF2 - two conductors (positive and negative) for HL-G4-INF, PIXEL-TW-G2-INF luminaires, where protective earth contact is not required
4. INF3 - three conductors (positive, negative, and protective earth) for STR9-G4, STR10, FL-G2 luminaires, where protective earth contact is required
5. Optional enhanced surge protection
6. Maximum power output 2200 W

STR9®-GEN4 PRELIMINARY COLOR CHANGING

INFINITY
COLOR-AMP
UNIBODY
COLOR-STREAM
GVA TECHNOLOGY
LIGHT TECHNOLOGY



GVA
LIGHTING

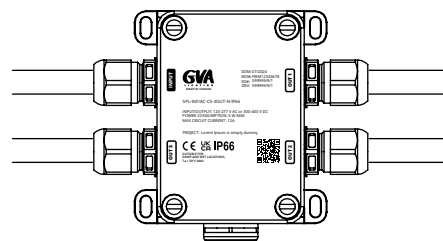
STR9® SERIES | Linear Wall Washing & Grazing LED Lighting System

PRODUCT SPECIFICATION SHEET

ORDERING LOGIC: POWER SUPPLIES AND POWER DATA EQUIPMENT

POWER-DATA CONVERTERS

FAMILY	NOMINAL INPUT VOLTAGE	COMMUNICATION PROTOCOL	NUMBER OF OUTPUTS	COMPLIANCE	CONSTRUCTION
SPL Splitter	INF/AC 380 V DC or 100-277 V AC	CS Color-Stream	1OUT 1 output (repeater mode)	N North America (UL/ANSI)	IP66 Ingress Protection rating: IP66
			2OUT 2 outputs	E European Union (CE)	
			3OUT 3 outputs	U United Kingdom (UKCA)	
				C China (CCC) ¹	
	ELV Extra low voltage, 48 V DC ¹			A Australia & New Zealand (AS/NZS) ¹	
				S Saudi Arabia (SASO) ¹	
				J Japan (PSE) ¹	



North America

PART NUMBER	DESCRIPTION
G20752	SPL-INF/AC-CS-1OUT-N-IP66
G20753	SPL-INF/AC-CS-2OUT-N-IP66
G20744	SPL-INF/AC-CS-3OUT-N-IP66
G20754 ¹	SPL-ELV-CS-1OUT-N-IP66
G20755 ¹	SPL-ELV-CS-2OUT-N-IP66
G20756 ¹	SPL-ELV-CS-3OUT-N-IP66

European Union

PART NUMBER	DESCRIPTION
G20757	SPL-INF/AC-CS-1OUT-E-IP66
G20758	SPL-INF/AC-CS-2OUT-E-IP66
G20759	SPL-INF/AC-CS-3OUT-E-IP66
G20760 ¹	SPL-ELV-CS-1OUT-E-IP66
G20761 ¹	SPL-ELV-CS-2OUT-E-IP66
G20762 ¹	SPL-ELV-CS-3OUT-E-IP66

United Kingdom

PART NUMBER	DESCRIPTION
G20763	SPL-INF/AC-CS-1OUT-U-IP66
G20764	SPL-INF/AC-CS-2OUT-U-IP66
G20765	SPL-INF/AC-CS-3OUT-U-IP66
G20766 ¹	SPL-ELV-CS-1OUT-U-IP66
G20767 ¹	SPL-ELV-CS-2OUT-U-IP66
G20768 ¹	SPL-ELV-CS-3OUT-U-IP66

China

PART NUMBER	DESCRIPTION
G20769	SPL-INF/AC-CS-1OUT-C-IP66
G20770	SPL-INF/AC-CS-2OUT-C-IP66
G20771	SPL-INF/AC-CS-3OUT-C-IP66
G20772 ¹	SPL-ELV-CS-1OUT-C-IP66
G20773 ¹	SPL-ELV-CS-2OUT-C-IP66
G20774 ¹	SPL-ELV-CS-3OUT-C-IP66

Australia & New Zealand

PART NUMBER	DESCRIPTION
G20775	SPL-INF/AC-CS-1OUT-A-IP66
G20776	SPL-INF/AC-CS-2OUT-A-IP66
G20777	SPL-INF/AC-CS-3OUT-A-IP66
G20778 ¹	SPL-ELV-CS-1OUT-A-IP66
G20779 ¹	SPL-ELV-CS-2OUT-A-IP66
G20780 ¹	SPL-ELV-CS-3OUT-A-IP66

Saudi Arabia

PART NUMBER	DESCRIPTION
G20781	SPL-INF/AC-CS-1OUT-S-IP66
G20782	SPL-INF/AC-CS-2OUT-S-IP66
G20783	SPL-INF/AC-CS-3OUT-S-IP66
G20784 ¹	SPL-ELV-CS-1OUT-S-IP66
G20785 ¹	SPL-ELV-CS-2OUT-S-IP66
G20786 ¹	SPL-ELV-CS-3OUT-S-IP66

Japan

PART NUMBER	DESCRIPTION
G20787	SPL-INF/AC-CS-1OUT-J-IP66
G20788	SPL-INF/AC-CS-2OUT-J-IP66
G20789	SPL-INF/AC-CS-3OUT-J-IP66
G20790 ¹	SPL-ELV-CS-1OUT-J-IP66
G20791 ¹	SPL-ELV-CS-2OUT-J-IP66
G20792 ¹	SPL-ELV-CS-3OUT-J-IP66

1. Under development. Consult with factory.

STR9®-GEN4 PRELIMINARY COLOR CHANGING

INFINITY
COLOR-AMP
UNIBODY
COLOR-STREAM
GVA TECHNOLOGY
NAT TECHNOLOGY

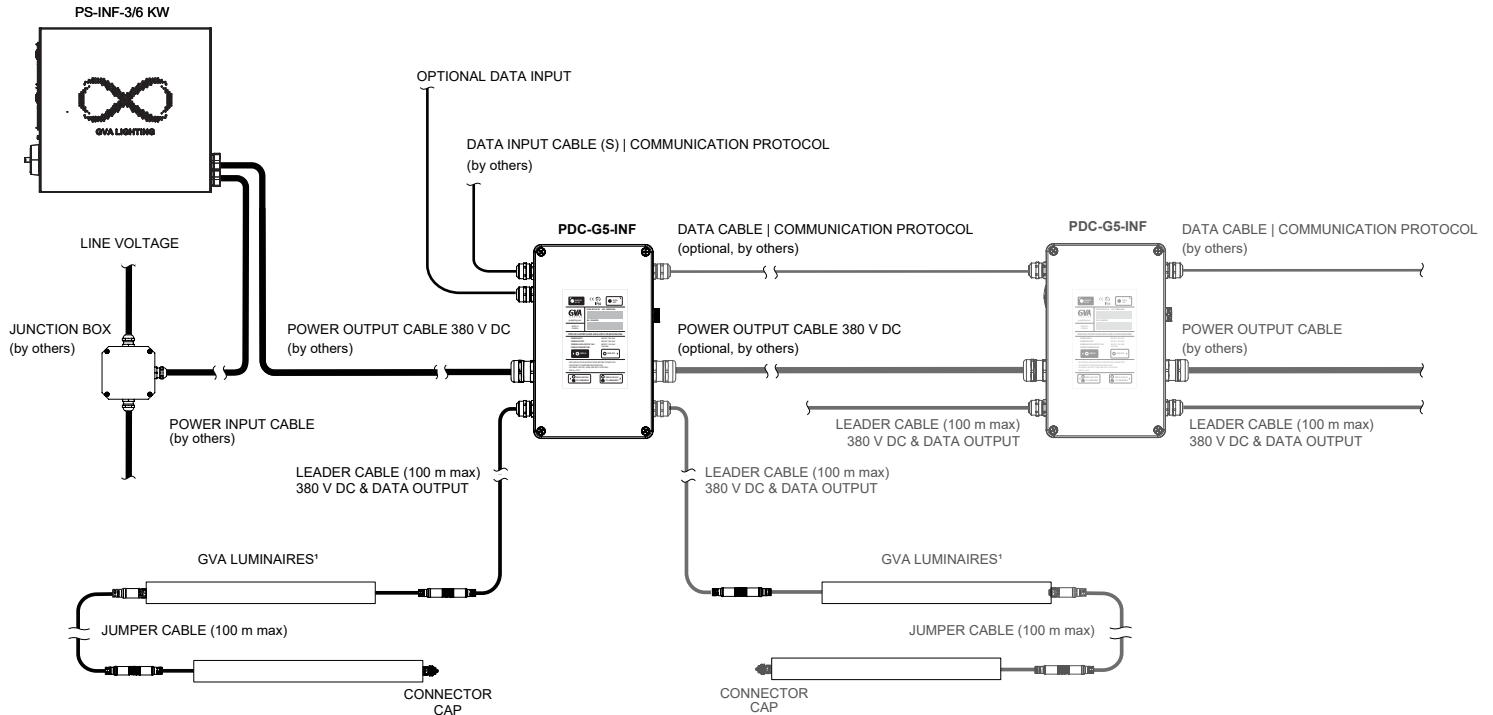


GVA
LIGHTING

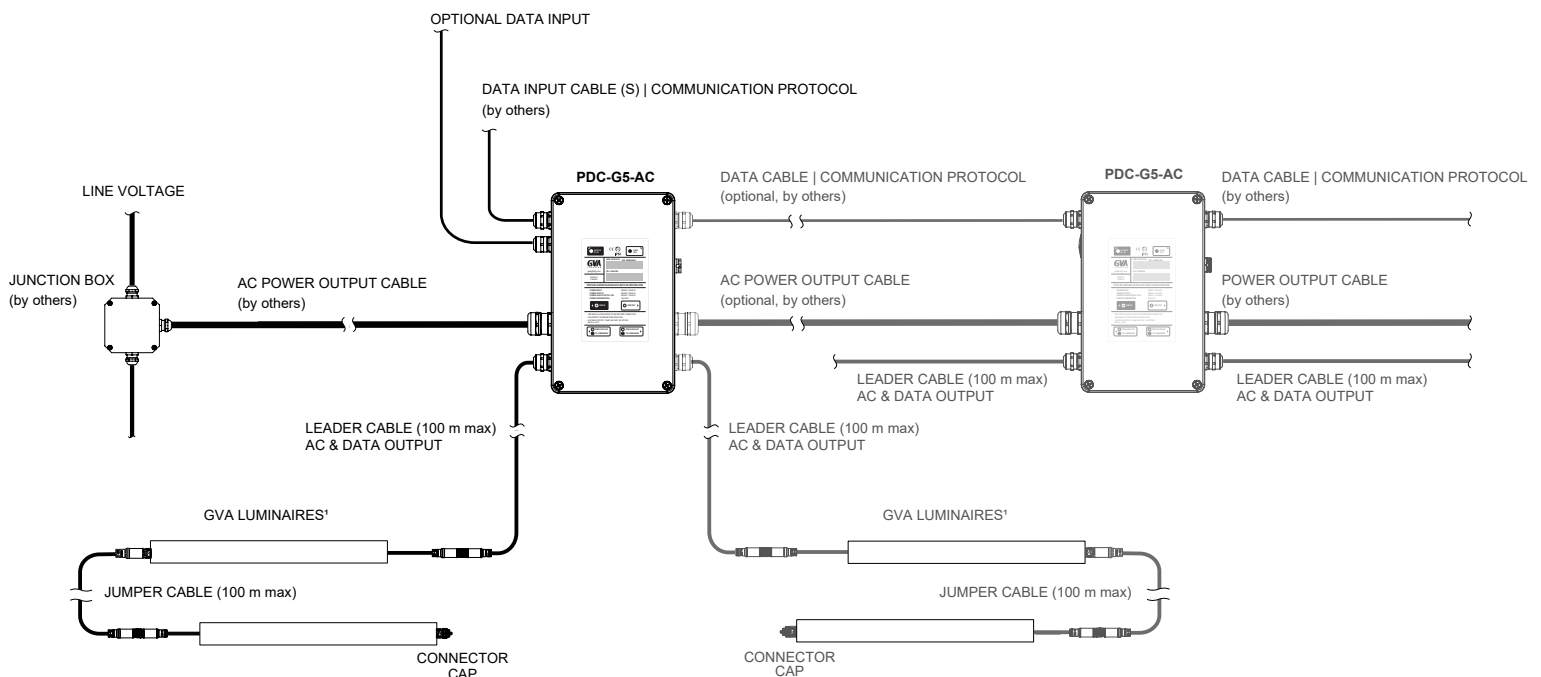
STR9® SERIES | Linear Wall Washing & Grazing LED Lighting System

PRODUCT SPECIFICATION SHEET

TYPICAL SYSTEM DIAGRAM: INFINITY (WITH CONTROL)^{2,3}



TYPICAL SYSTEM DIAGRAM: AC (WITH CONTROL)^{2,3}



1. Represents a GVA Color-Stream® compatible luminaire.
2. Maximum Leader and Jumper cables lengths may vary based on your specific application needs. For precise specifications, please consult with the factory.
3. Product illustrations are for representation only and may not reflect actual size