

STR9[®] GEN3

INFINITY[®]
GVA TECHNOLOGY

UNIBODY[®]
GVA TECHNOLOGY



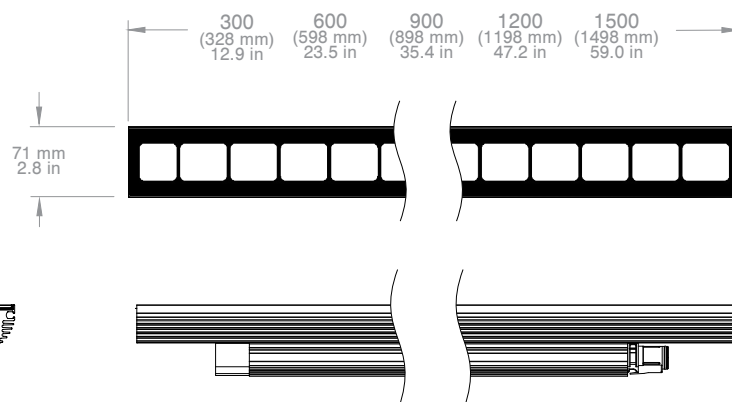
GVA
LIGHTING

Monochromatic Linear Wall Washing and Grazing LED Lighting

PRODUCT SPECIFICATION SHEET



DATE:	
TYPE:	
COMPANY:	
PROJECT:	



FEATURES:

Lighting Performance:

- Up to 3755 delivered lumens/meter (1144 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)

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)
- 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, 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 > 100,000hrs @ t_a = 25°C (77°F)

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

OPTIONS:

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

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

Nominal Length: 300 mm (1ft)¹, 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 color²

Accessories:

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

LED Color:

- Custom LED color combinations available

SPECIFICATION LOGIC: STR9 MONOCHROMATIC

FAMILY	NOMINAL LENGTH	BODY COLOR	POWER per 300mm (1ft)	LED COLOR	OPTICS (FWHM)	INPUT VOLTAGE	OPTIONAL
STR9-G3	300 ²	CM - Clear Matte Anodized	3W	2200K	5 - 5°x5°	ELV - 48VDC	ILV - Internal Louver
	600	BM - Black Matte Anodized	5W - ASHRAE/IESNA	2700K	8 - 8°x8°	AC120/277 - 120 or 277VAC	
	900		10W	3000K	10 - 10°x10°	AC220-240 - 220-240VAC	
	1200		15W	3500K	30 - 30°x30°	INF - 380VDC	
	1500			4000K	60 - 60°x60°		
				5000K	80 - 80°x80°		
				6500K	100 - 100°x100°		
				RD - Red	5x10 - 5°x10°		
				AM - Amber	5x30 - 5°x30°		
				GR - Green	5x60 - 5°x60°		
				BL - Blue	10x30 - 10°x30°		
				RB - Royal Blue	10x60 - 10°x60°		
					10x90 - 10°x90°		
					20x60 - 20°x60°		
					30x60 - 30°x60°		
					Other distributions available; consult factory.		

PRODUCT CONFIGURATION

1. IK10 is not a standard configuration; consult factory

2. Pitch is not maintained, some restrictions apply, please consult factory.

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PRODUCT SPECIFICATIONS: STR9 MONOCHROMATIC							
Nominal Length			300	600	900	1200	1500
Electrical		Nominal Wattage					
	Power Consumption for 48VDC Input	3W/ft	3W	6W	9W	12W	15W
		5W/ft	5W	10W	15W	20W	25W
		10W/ft	10W	20W	30W	40W	50W
		15W/ft	15W	30W	45W	60W	75W
	Power Consumption ¹ for 120-277VAC Input	3W/ft	5.8W	8.9W	12.1W	15.3W	18.5W
		5W/ft	7.8W	13.1W	18.5W	23.7W	29W
		10W/ft	13.1W	23.7W	34.5W	45.9W	56.8W
		15W/ft	18.5W	34.5W	51.2W	69W	85.2W
	Power Consumption for 380VDC Input	3W/ft	3W	6W	9W	12W	15W
		5W/ft	5W	10W	15W	20W	25W
		10W/ft	10W	20W	30W	40W	50W
15W/ft		15W	30W	45W	60W	75W	
Optical	Light Source	6 x High Power LEDs per 300mm (1ft)					
	CRI	>80					
	Lumen Output (typical) ^{2,3}	3W	240 lm	480 lm	720 lm	960 lm	1,200 lm
		5W	397 lm	794 lm	1,191 lm	1,588 lm	1,985 lm
		10W	780 lm	1,560 lm	2,340 lm	3,120 lm	3,900 lm
		15W	1,119 lm	2,238 lm	3,357 lm	4,476 lm	5,595 lm
Projected Lumen Maintenance	L70 > 100,000hrs @ t _a =25°C (77°F)						
Control	Control Protocol	DMX, DALI or 0-10V control through GVA Power-Data Equipment					
	Control Protocol for ELV and AC	DMX	300mm (1ft) resolutions				
		DALI	Each run is 1 address				
		0-10V					
	Control Protocol for INF	DMX	1 fixture resolution				
		DALI	Each run is 1 address				
0-10V							
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)			1.9 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 CE Certified RoHS Compliant Constructed to meet requirements outlined in UL1598 & IEC60598 Meets ANSI C136.31, 3G Vibration standard for bridge and overpass applications				
	Environment		Dry, damp, or wet locations. 0-100% humidity. IP66				

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

MAXIMUM RUN LENGTHS ⁴				
	3W	5W	10W	15W
ELV	51m/170ft	31m/102ft	15m/51ft	10m/34ft
AC ⁵	43m/ 141ft	43m/ 141ft	43m/ 141ft	21m/ 68ft
INF		307m/1008ft	153m/504ft	102m/336ft

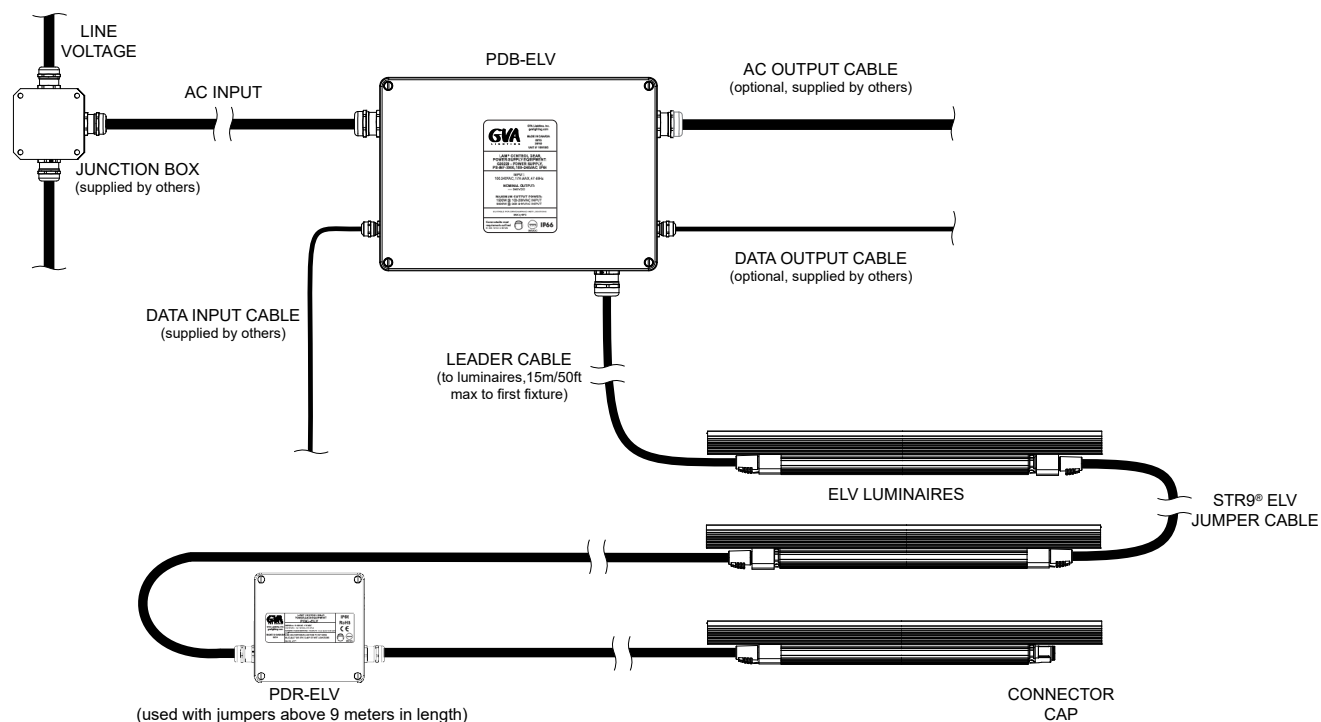
Ratings are for 30°C, de-rating will be used for higher ambient temperatures. Contact factory for applications support.

1. Measured for 240VAC input voltage
2. Data provided for 4000K, with 10 Degree beam angles. Warmer color temperatures typically have a lower lumen output.
3. Please consult factory for most recent photometric data.
4. Please consult factory for layout configuration
5. Type D breaker required
6. IK10 is not a standard configuration; consult factory

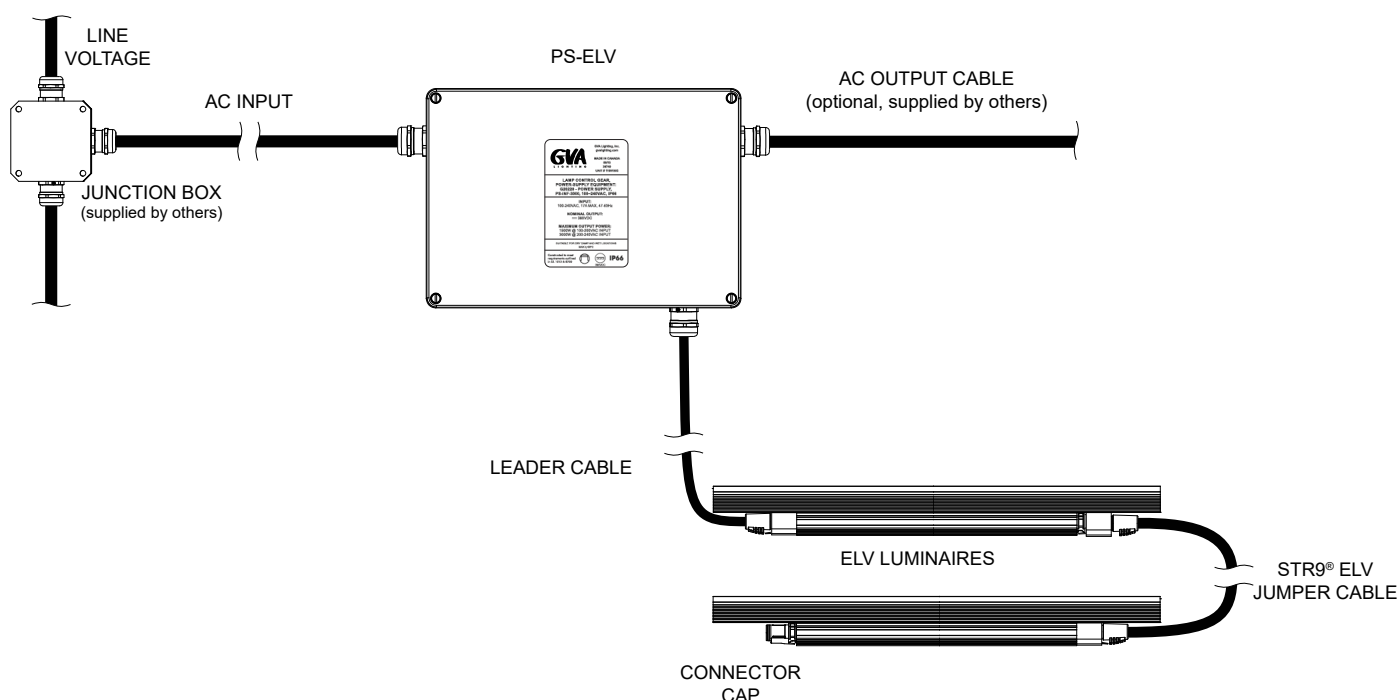
Monochromatic Linear Wall Washing and Grazing LED Lighting

PRODUCT SPECIFICATION SHEET

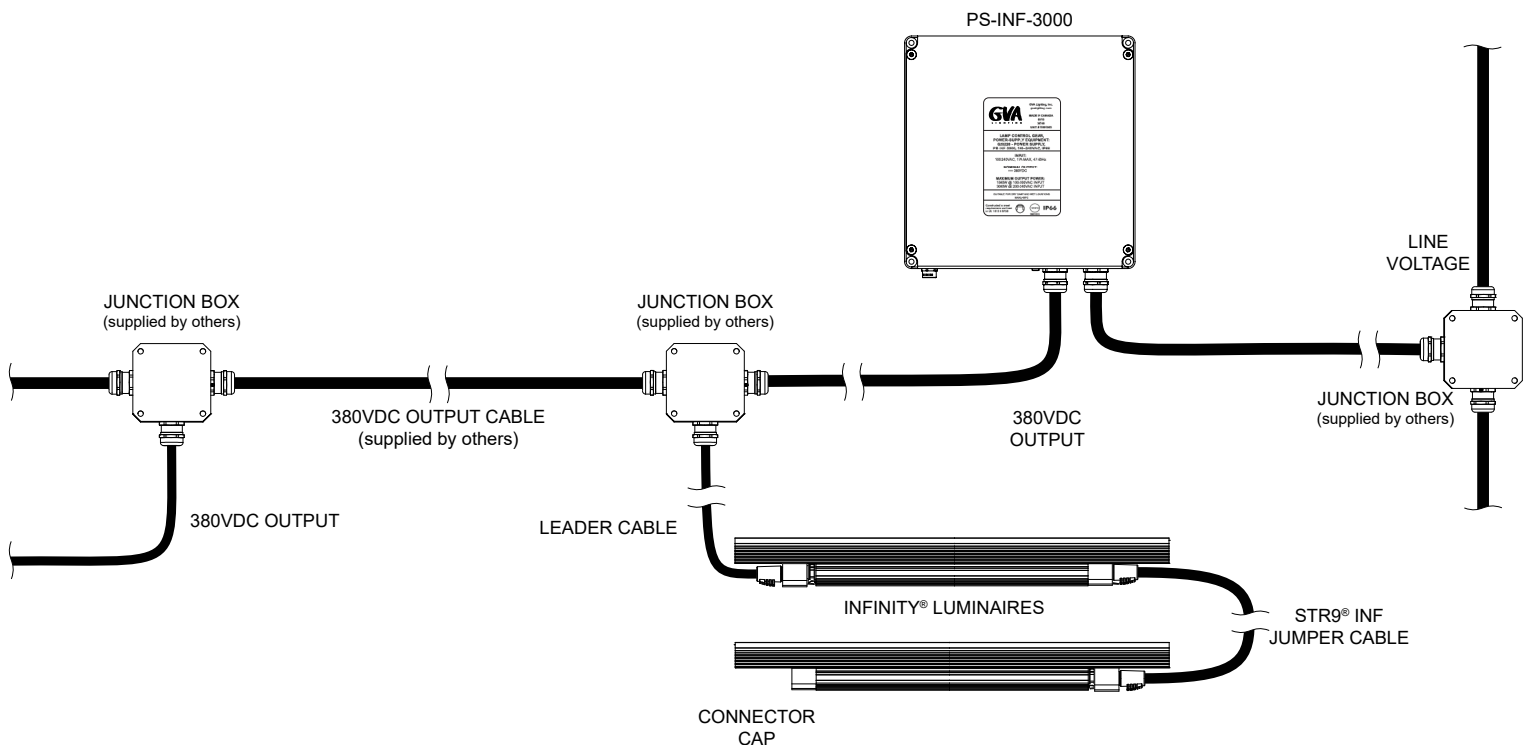
TYPICAL SYSTEM DIAGRAM: ELV WITH CONTROL



TYPICAL SYSTEM DIAGRAM: ELV WITHOUT CONTROL



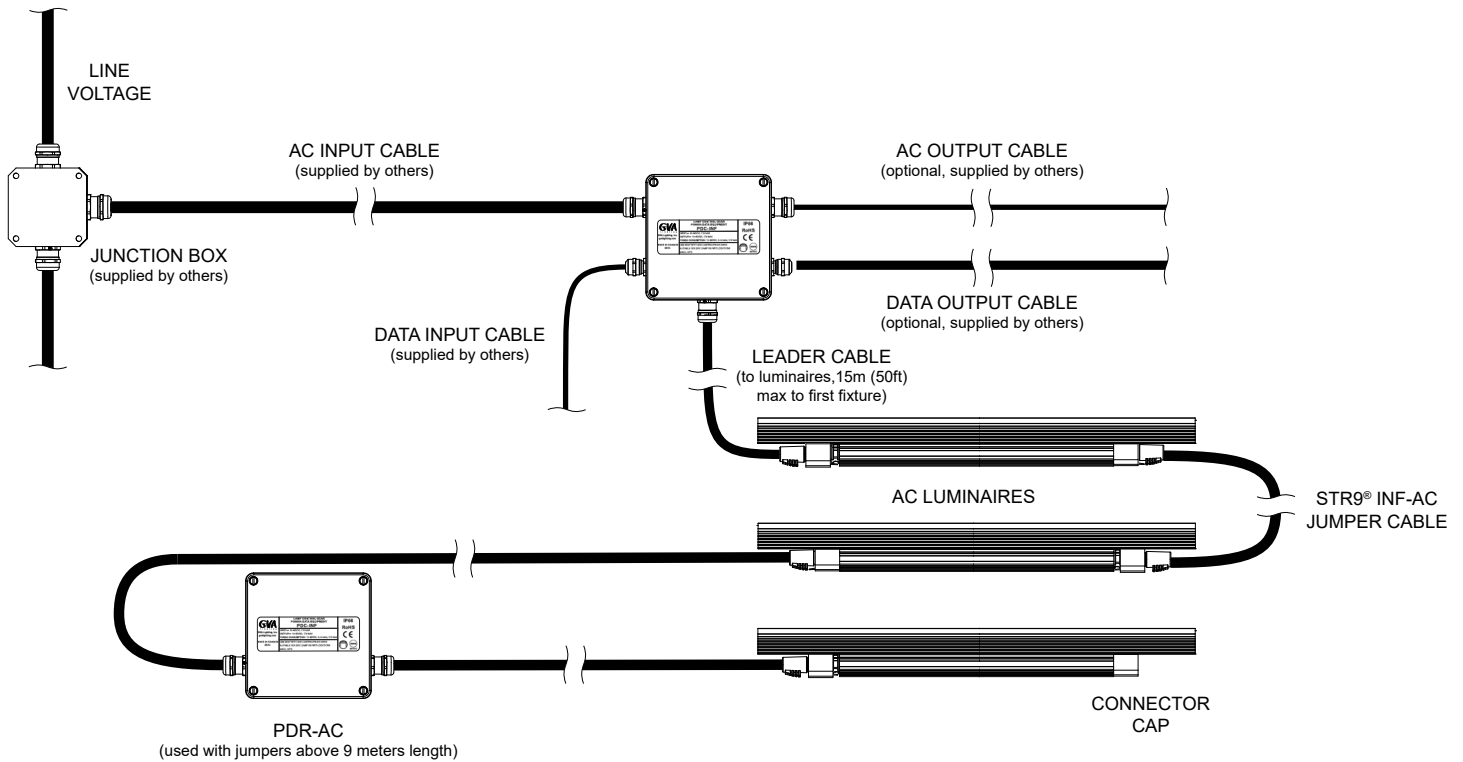
PRODUCT SPECIFICATION SHEET



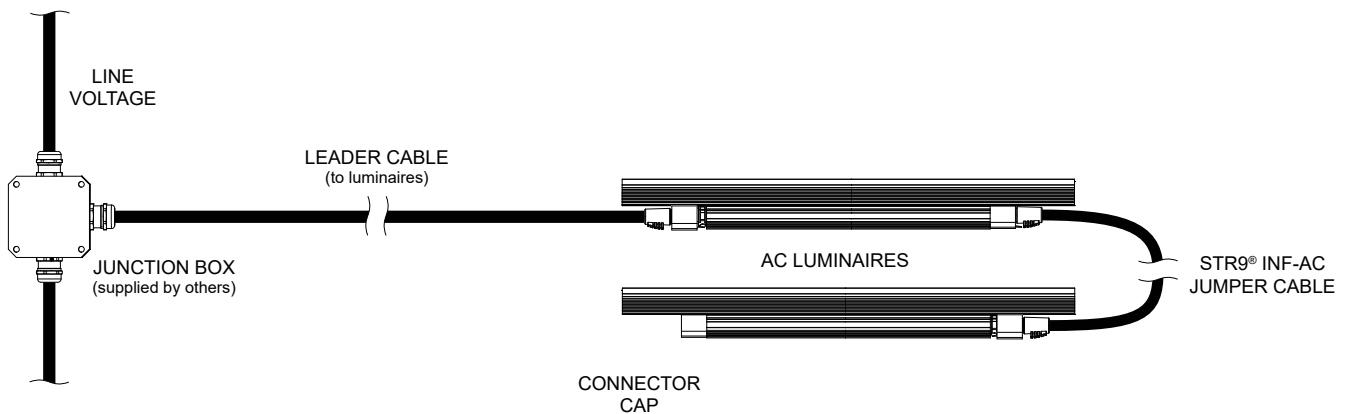
Monochromatic Linear Wall Washing and Grazing LED Lighting

PRODUCT SPECIFICATION SHEET

TYPICAL SYSTEM DIAGRAM: INFINITY AC WITH CONTROL



TYPICAL SYSTEM DIAGRAM: INFINITY AC WITHOUT CONTROL



Monochromatic Linear Wall Washing and Grazing LED Lighting

PRODUCT SPECIFICATION SHEET

GORDERING LOGIC: POWER SUPPLIES and POWER DATA EQUIPMENT

ELV POWER SUPPLIES and POWER DATA EQUIPMENT

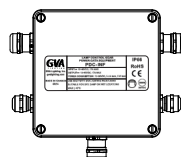
FAMILY	OUTPUT VOLTAGE	POWER (Watts)		CONTROL INPUT	OUTPUT	INPUT VOLTAGE	CONSTRUCTION
PS	ELV48	240 320	480 640	-	-	120~277V AC	IP66 IP30
PDB	ELV48	240 320	480 640	0~10V DALI DMX	ELV+ZH - ELV Power & ZH Data	120~277V AC	IP66 IP30

INFINITY POWER SUPPLIES IP66



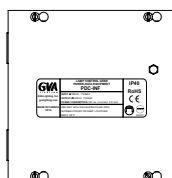
INPUT VOLTAGE	PART NUMBER	WEIGHT
PS-INF-3000-120VAC	G20337	10.98 kg (24.20 lbs)
PS-INF-3000-208/240VAC	G20338	10.98 kg (24.20 lbs)
PS-INF-3000-220/230/240VAC	G20341	10.98 kg (24.20 lbs)

INFINITY POWER-DATA CONVERTORS IP66



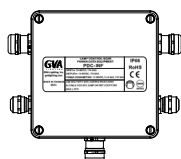
TYPE	PART NUMBER	WEIGHT
PDC-INF-1DMX	G20342	2.06 kg (4.55 lbs)
PDC-INF-2DMX	G20431	2.06 kg (4.55 lbs)
PDC-INF-DALI/0~10V	G20343	2.06 kg (4.55 lbs)
PDC-AC-1DMX	G20263	2.06 kg (4.55 lbs)
PDC-AC-2DMX	G20264	2.06 kg (4.55 lbs)
PDC-AC-DALI/0~10V	G20266	2.06 kg (4.55 lbs)

INFINITY 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-INF-DALI/0~10V	G20454	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)
PDC-AC-DALI/0~10V	G20269	2.06 kg (4.55 lbs)

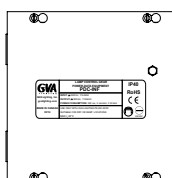
INFINITY POWER-DATA REPEATOR IP66



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

*Includes input and output cables, 9m each

INFINITY POWER-DATA REPEATOR IP40



TYPE	PART NUMBER	WEIGHT
PDR-INF	G20445	2.00 kg (4.40 lbs)

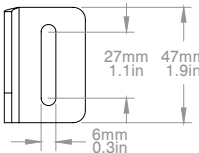
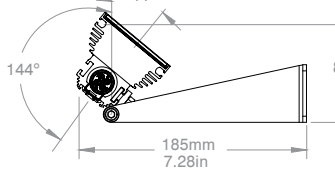
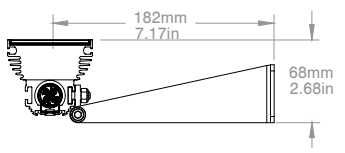
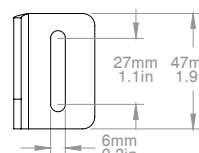
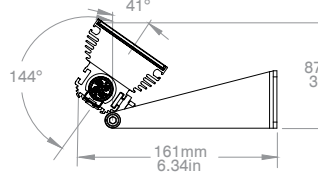
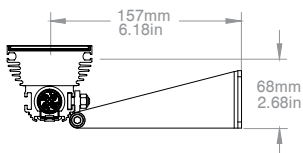
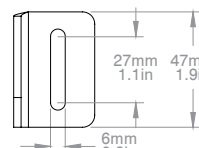
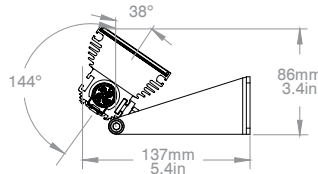
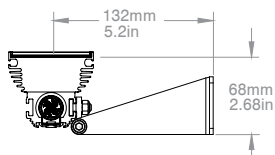
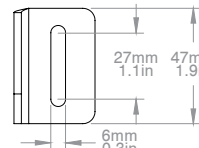
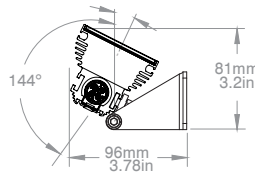
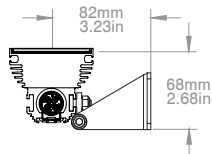
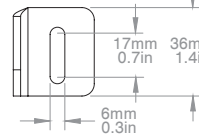
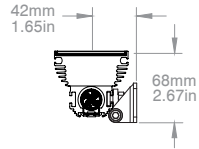
*Includes input and output cables, 9m each

Monochromatic Linear Wall Washing and Grazing LED Lighting

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	

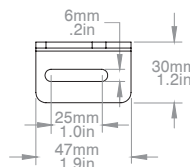
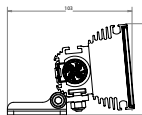
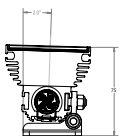
W155 ADJUSTABLE WALL MOUNT

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

W180 ADJUSTABLE WALL MOUNT

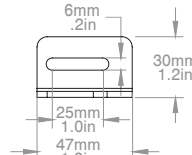
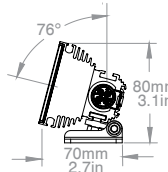
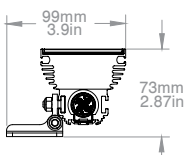
COLOR	PART NUMBER	WEIGHT
Clear Matte Anodized	121136	0.17 kg (0.38 lbs)
Black Matte Anodized	121137	

SMA-I - INSIDE ADJUSTABLE SURFACE MOUNT BRACKET KIT



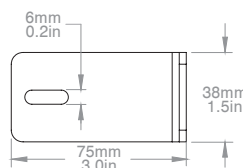
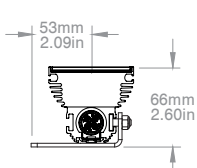
COLOR	PART NUMBER	WEIGHT
Clear Matte Anodized	121138	0.09 kg (0.20 lbs)
Black Matte Anodized	121139	

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



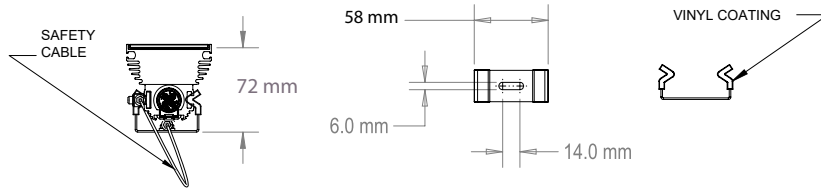
COLOR	PART NUMBER	WEIGHT
Clear Matte Anodized	121140	0.08 kg (0.18 lbs)
Black Matte Anodized	121141	

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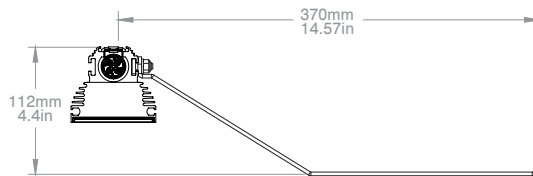
ORDERING LOGIC: STR9 MOUNTING ACCESSORIES

CLP - CLIP MOUNT KIT, NON-ADJUSTABLE



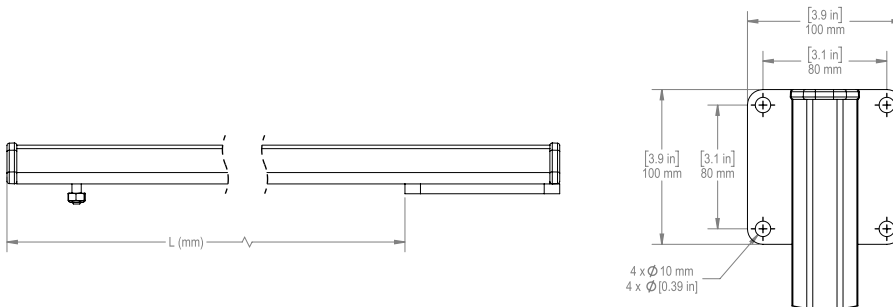
COLOR	PART NUMBER	WEIGHT
Stainless Steel	124859	0.21 kg (0.47 lbs)

MCD - CANTILEVER BRACKET, NON-ADJUSTABLE



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

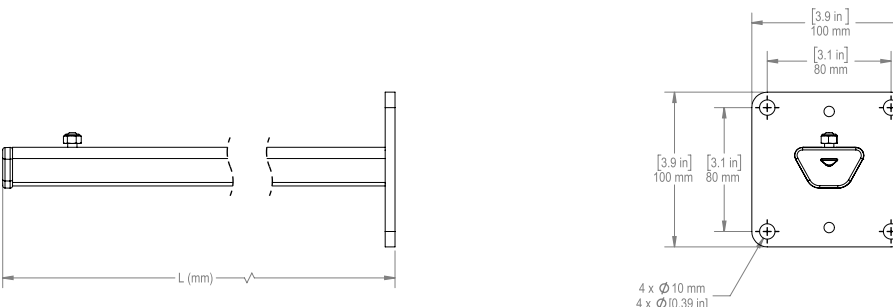
CH - ADJUSTABLE HORIZONTAL CANTILEVER BRACKET KIT - 100 MM TO 500 MM



*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

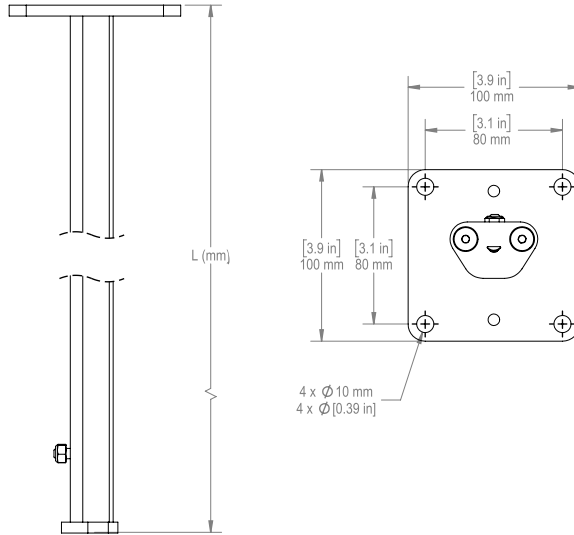
TYPE	CM	BM	WEIGHT
CV-100	123374	123393	0.59 kg (1.30 lbs)
CV-150	123375	123394	0.70 kg (1.53 lbs)
CV-200	123376	123395	0.80 kg (1.77 lbs)
CV-250	123377	123396	0.91 kg (2.00 lbs)
CV-300	123378	123397	1.01 kg (2.23 lbs)
CV-350	123379	123398	1.12 kg (2.46 lbs)
CV-400	123380	123399	1.22 kg (2.69 lbs)
CV-450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

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ORDERING LOGIC: STR9 MOUNTING ACCESSORIES

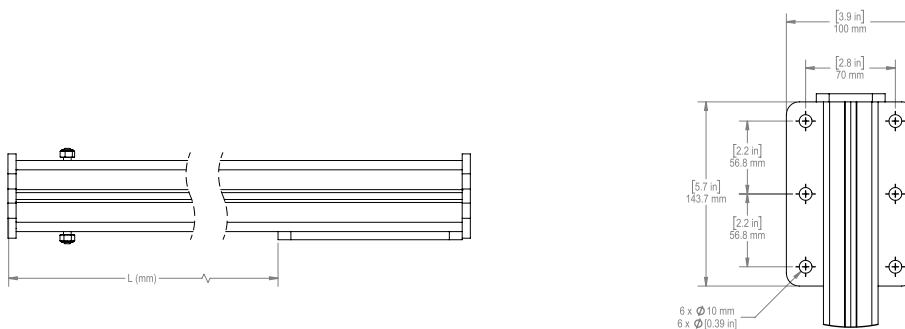
CC - ADJUSTABLE CEILING MOUNT CANTILEVER BRACKET KIT - 100 MM TO 1000 MM



*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

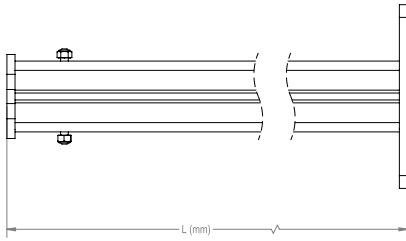
TYPE	CM	BM	WEIGHT
DCH-100	123709	123728	1.93 kg (4.25 lbs)
DCH-150	123710	123729	2.14 kg (4.71 lbs)
DCH-200	123711	123730	2.35 kg (5.17 lbs)
DCH-250	123712	123731	2.56 kg (5.63 lbs)
DCH-300	123713	123732	2.77 kg (6.10 lbs)
DCH-350	123714	123733	2.98 kg (6.56 lbs)
DCH-400	123715	123734	3.18 kg (7.02 lbs)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

Monochromatic Linear Wall Washing and Grazing LED Lighting

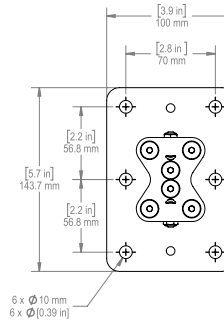
PRODUCT SPECIFICATION SHEET

ORDERING LOGIC: STR9 MOUNTING ACCESSORIES

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

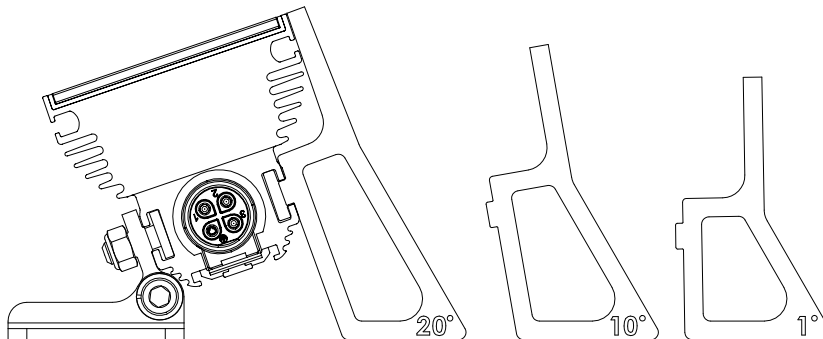


*Fixture bracket not included, please order separately



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°



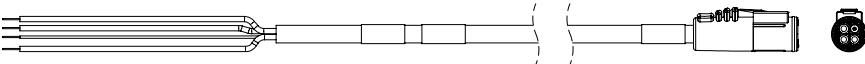
TYPE	PART NUMBER
1°	310066
2°	310067
3°	310068
4°	310069
5°	310070
6°	310071
7°	310072
8°	310073
9°	310074
10°	310075
11°	310076
12°	310077
13°	310078
14°	310079
15°	310080
16°	310081
17°	310082
18°	310083
19°	310084
20°	310085

Monochromatic Linear Wall Washing and Grazing LED Lighting

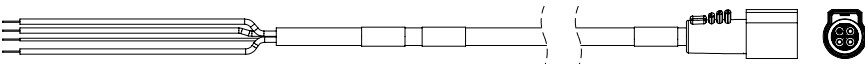
PRODUCT SPECIFICATION SHEET

ORDERING LOGIC: STR9 MOUNTING ACCESSORIES

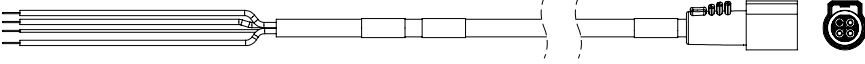
STR9 LEADER CABLE ELV

		NOMINAL LENGTH	PART NUMBER	WEIGHT
INPUT 	OUTPUT	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	

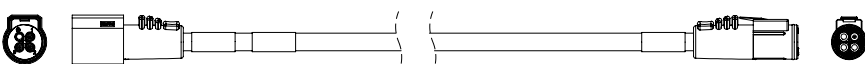
STR9 LEADER CABLE INF

		NOMINAL LENGTH	PART NUMBER	WEIGHT
INPUT 	OUTPUT	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

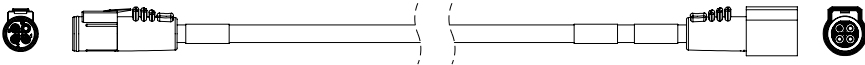
		NOMINAL LENGTH	PART NUMBER	WEIGHT
INPUT 	OUTPUT	3.0 m (9 ft)	141509	
		6.0 m (19 ft)	141512	
		9.0 m (30 ft)	141515	
		15.0 m (50 ft)	141517	
		30.0 m (100 ft)	141520	

STR9 JUMPER CABLE ELV

		NOMINAL LENGTH	PART NUMBER	WEIGHT
INPUT 	OUTPUT	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
INPUT 	OUTPUT	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.

STR9[®] GEN3

INFINITY[®]
GVA TECHNOLOGY

UNIBODY[®]
GVA TECHNOLOGY



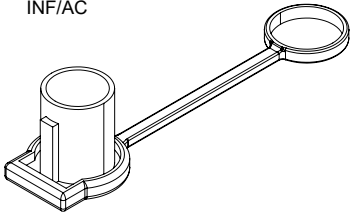
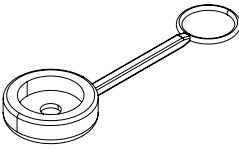
GVA
LIGHTING

Monochromatic Linear Wall Washing and Grazing LED Lighting

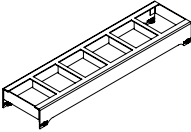
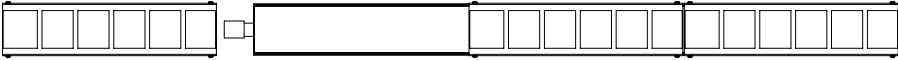


PRODUCT SPECIFICATION SHEET

ORDERING LOGIC: STR9 MOUNTING ACCESSORIES

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

		TYPE	PART NUMBER	WEIGHT
 INF/AC	 ELV	STR-ELV	231182	3.40 g (0.11 oz)
		STR9-INF/AC	230855	6.24 g (0.22 oz)

STR9 GLARE CONTROL LOUVERS - 300 MM

		COLOR	PART NUMBER	WEIGHT
   		BLACK	122737	0.08 kg (0.18 lbs)