



2021-06-14

Dynamic White Linear Wall Washing and Grazing LED Lighting

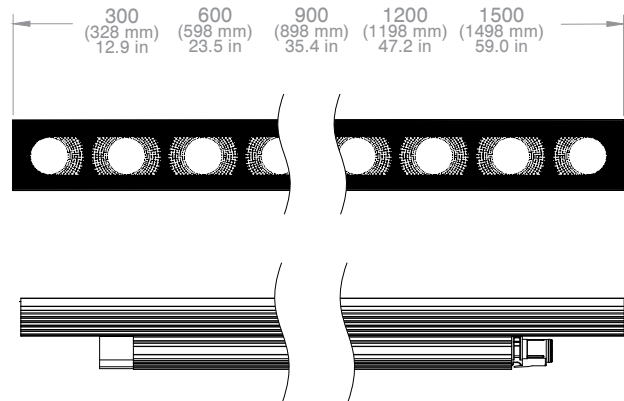
PRODUCT SPECIFICATION SHEET

DATE:

TYPE:

COMPANY:

PROJECT:

71 mm
2.8 in63 mm
2.5 in

FEATURES:

Lighting Performance:

- Up to 3514 lumens/meter (1071 lumens/foot)
- Any color temperature from 2200K to 6000K using a 4 in 1 package (2200K, 3000K, 4000K, 6000K)
- COLOR-AMP® technology allows up to three times higher light output in specific color temperatures
- Outstanding color temperature 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)

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 request¹

Control:

- 4 channel 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 @ t₈ = 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

SPECIFICATION LOGIC: STR9 DYNAMIC WHITE

FAMILY	NOMINAL LENGTH	BODY COLOR	POWER per 300mm (1ft)	LED CONFIG	OPTICS (FWHM)	INPUT VOLTAGE	OPTIONAL
STR9-G3	300²	CM - Clear Matte Anodized	10W	DWT	10 - 10° x 10°³	ELV - 48VDC	ILV - Internal Louver
	600	BM - Black Matte Anodized	15W		12 - 12° x 12°	AC - 120 or 277VAC	
	900		20W		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. Actual length of 328mm. Pitch is not maintained.
3. Custom configuration, some restrictions apply, please consult factory.



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PRODUCT SPECIFICATIONS: STR9 DYNAMIC WHITE

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	13.2W	23.7W	34.5W	45.9W	56.8W
		15W/ft	18.5W	34.6W	51.2W	69W	85.2W
		20W/ft	23.8W	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}	White (2200K)	250 lm	501 lm	751 lm	1,002 lm	1,252 lm
		White (4000K)	413 lm	826 lm	1,240 lm	1,653 lm	2,066 lm
		White (3000K)	480 lm	961 lm	1,441 lm	1,921 lm	2,402 lm
		White (6000K)	455 lm	910 lm	1,364 lm	1,819 lm	2,274 lm
		All on	608 lm	1,215 lm	1,823 lm	2,431 lm	3,039 lm
	COLOR-AMP™ 15W Lumen Output (typical) ^{1,2}	White (2200K)	316 lm	632 lm	949 lm	1,265 lm	1,581 lm
		White (4000K)	522 lm	1,043 lm	1,565 lm	2,087 lm	2,609 lm
		White (3000K)	607 lm	1,213 lm	1,820 lm	2,426 lm	3,033 lm
		White (6000K)	574 lm	1,149 lm	1,723 lm	2,297 lm	2,871 lm
All on		865 lm	1,730 lm	2,595 lm	3,460 lm	4,325 lm	
COLOR-AMP™ 20W Lumen Output (typical) ^{1,2}	White (2200K)	343 lm	686 lm	1,029 lm	1,372 lm	1,715 lm	
	White (4000K)	566 lm	1,132 lm	1,698 lm	2,264 lm	2,830 lm	
	White (3000K)	658 lm	1,316 lm	1,974 lm	2,632 lm	3,290 lm	
	White (6000K)	623 lm	1,246 lm	1,869 lm	2,492 lm	3,115 lm	
	All on	1,071 lm	2,142 lm	3,213 lm	4,284 lm	5,355 lm	
Projected Lumen Maintenance		L70 > 65,000hrs @ t ₅₀ =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 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				

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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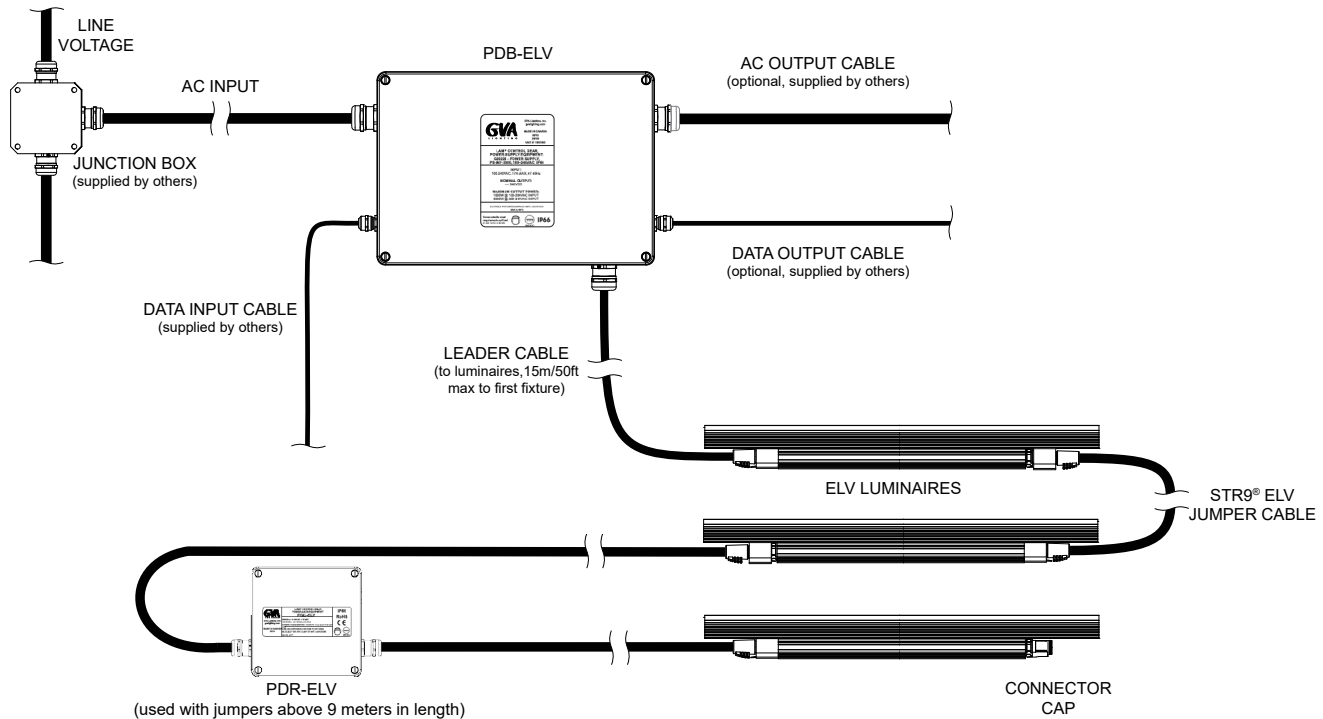
MAXIMUM RUN LENGTHS⁴

	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

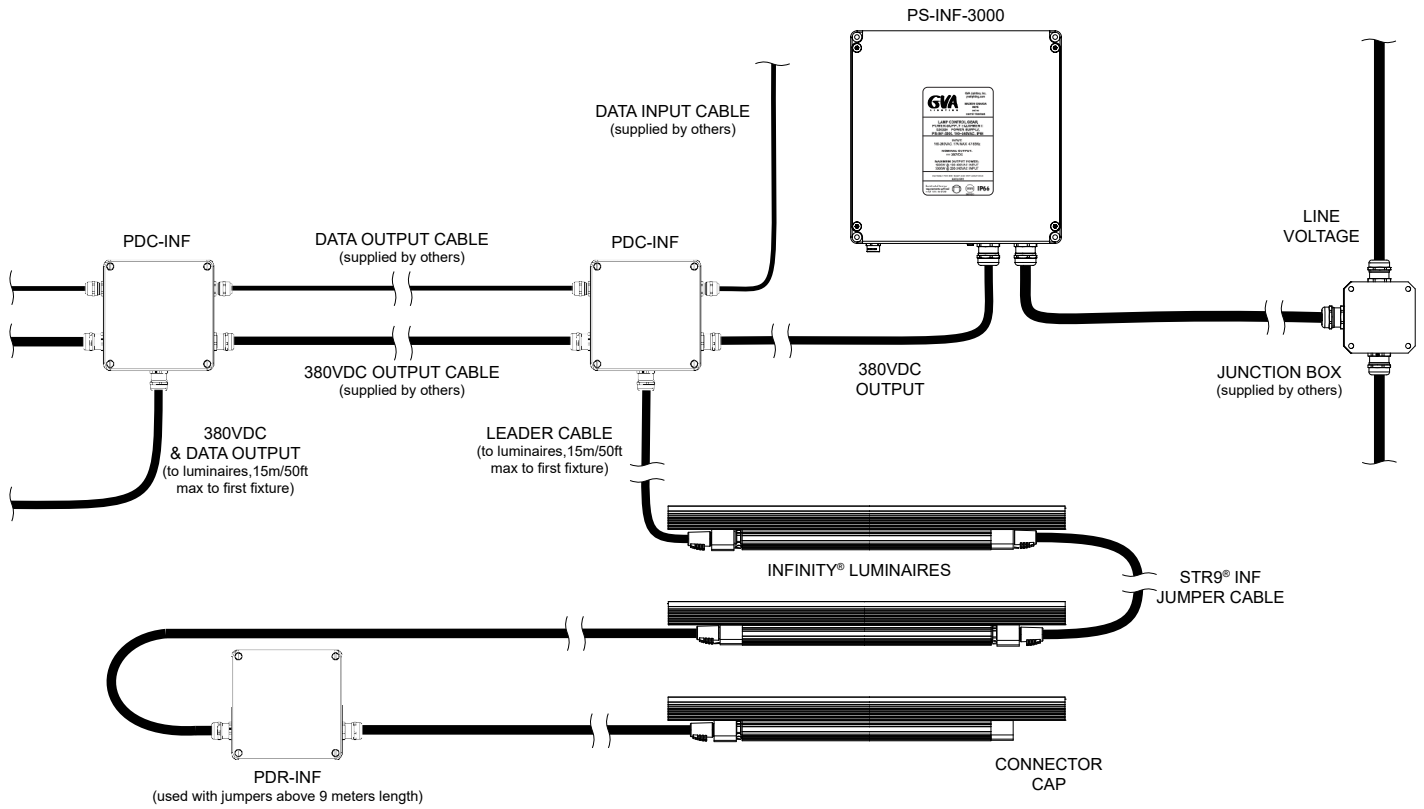
TYPICAL SYSTEM DIAGRAM: ELV WITH CONTROL



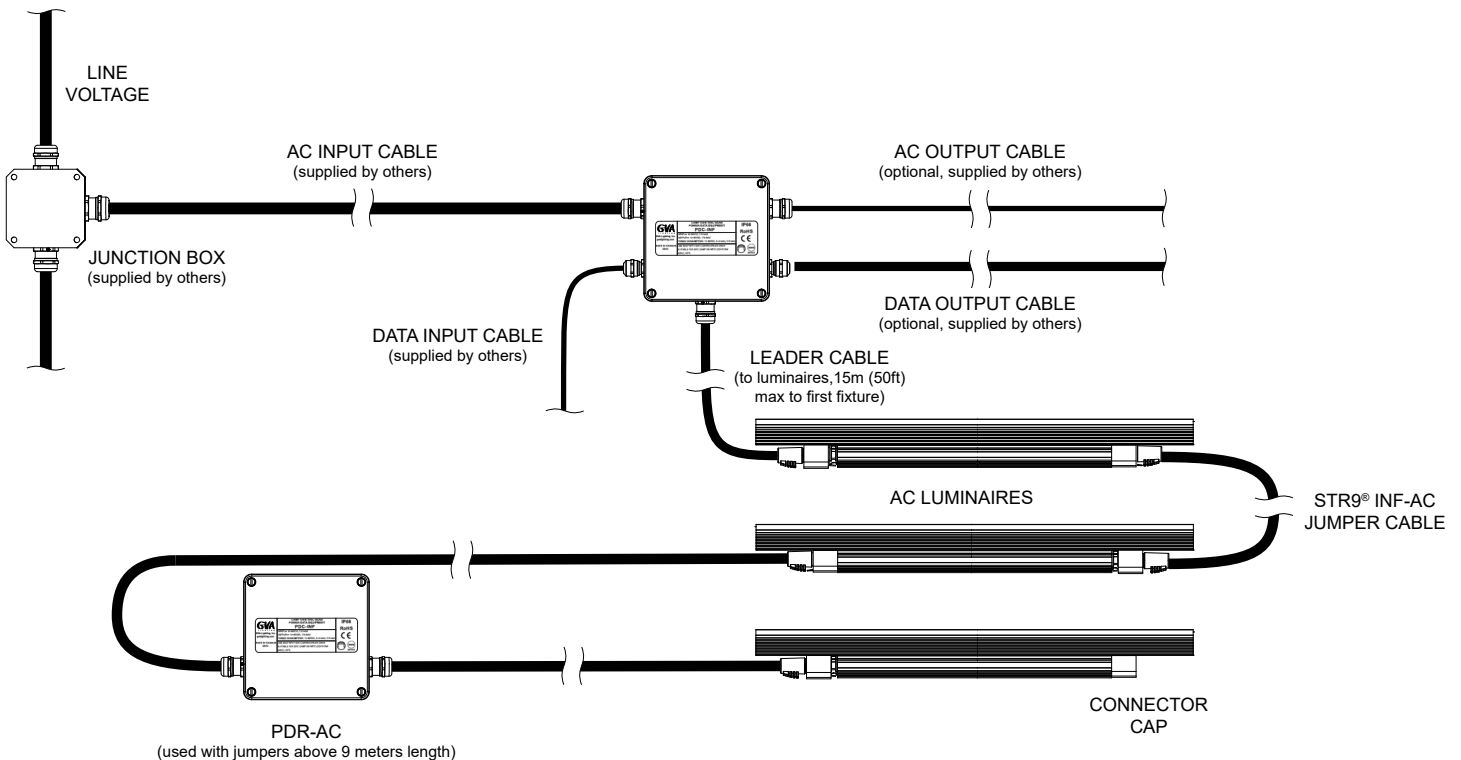
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TYPICAL SYSTEM DIAGRAM: INFINITY WITH CONTROL



TYPICAL SYSTEM DIAGRAM: AC WITH CONTROL





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ORDERING LOGIC: POWER SUPPLIES and POWER DATA EQUIPMENT

ELV POWER DATA BOXES

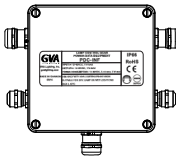
FAMILY	OUTPUT VOLTAGE	POWER (Watts)		CONTROL INPUT	CONTROL OUTPUT	INPUT VOLTAGE	CONSTRUCTION
PDB	ELV (48V)	240W	480W	DMX	48V POWER & ZH DATA	120~277V AC	IP66
		320W	640W				IP30

INFINITY POWER SUPPLIES

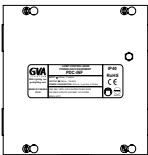
PS-INF, IP66

	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)

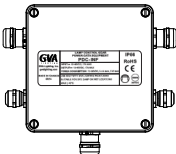
POWER-DATA CONVERTORS IP66

	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

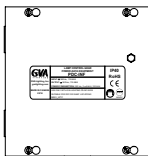
	TYPE	PART NUMBER	WEIGHT
	PDC-INF-1DMX	G20452	2.06 kg (4.55 lbs)
	PDC-INF-2DMX	G20453	2.06 kg (4.55 lbs)
	PDC-AC-1DMX	G20267	2.06 kg (4.55 lbs)
	PDC-AC-2DMX	G20268	2.06 kg (4.55 lbs)

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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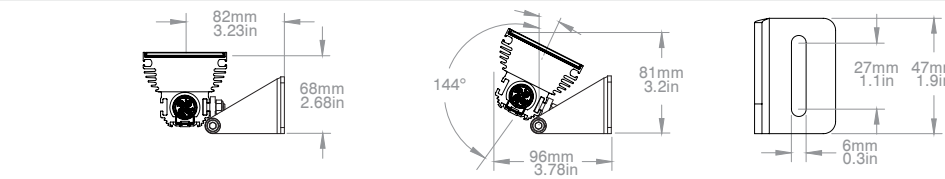
ORDERING LOGIC: STR9 MOUNTING ACCESSORIES

WXX - ADJUSTABLE WALL MOUNT BRACKET KIT



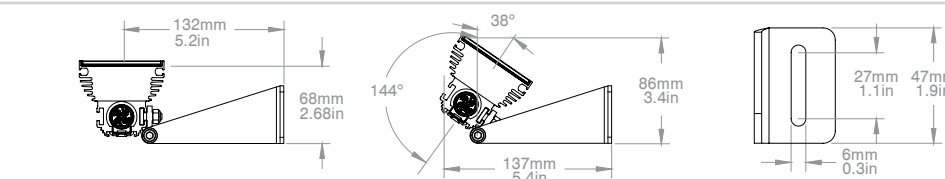
W40 ADJUSTABLE WALL MOUNT

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



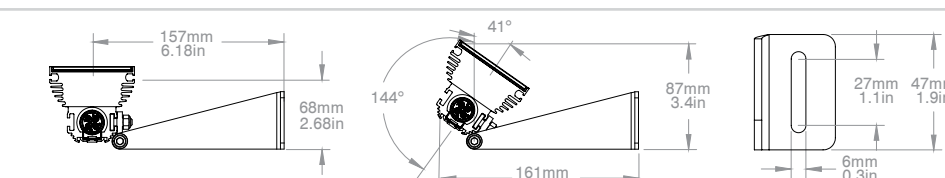
W80 ADJUSTABLE WALL MOUNT

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



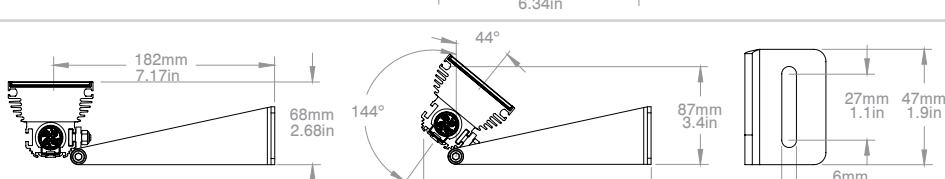
W130 ADJUSTABLE WALL MOUNT

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



W155 ADJUSTABLE WALL MOUNT

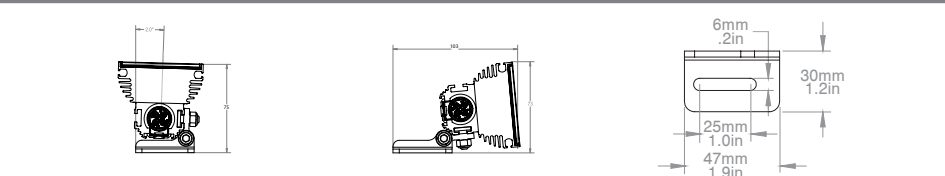
COLOR	PART NUMBER	WEIGHT
Clear Matte Anodized	121134	0.16 kg (0.35 lbs)
Black Matte Anodized	121135	



W180 ADJUSTABLE WALL MOUNT

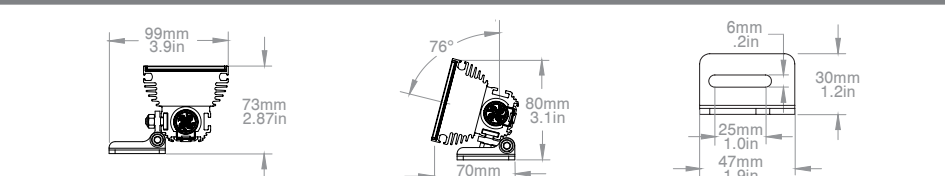
COLOR	PART NUMBER	WEIGHT
Clear Matte Anodized	121136	0.17 kg (0.38 lbs)
Black Matte Anodized	121137	

SMA-I - INSIDE ADJUSTABLE SURFACE MOUNT BRACKET KIT



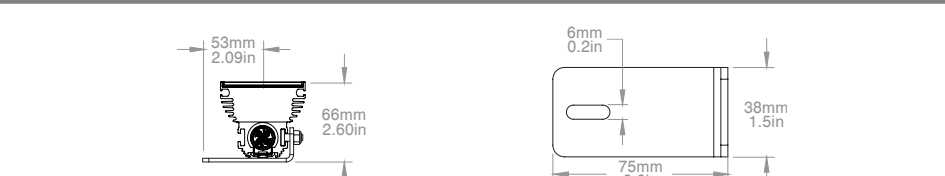
COLOR	PART NUMBER	WEIGHT
Clear Matte Anodized	121138	0.09 kg (0.20 lbs)
Black Matte Anodized	121139	

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	



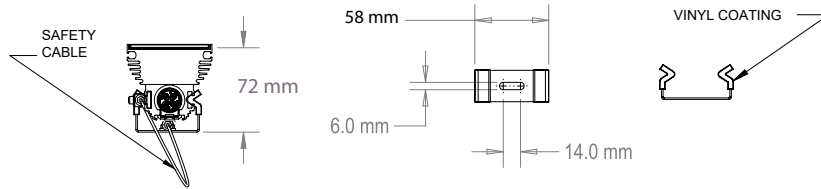
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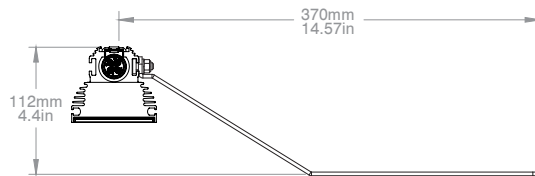
ORDERING LOGIC: STR9 MOUNTING ACCESSORIES

CLP - CLIP MOUNT KIT, NON-ADJUSTABLE



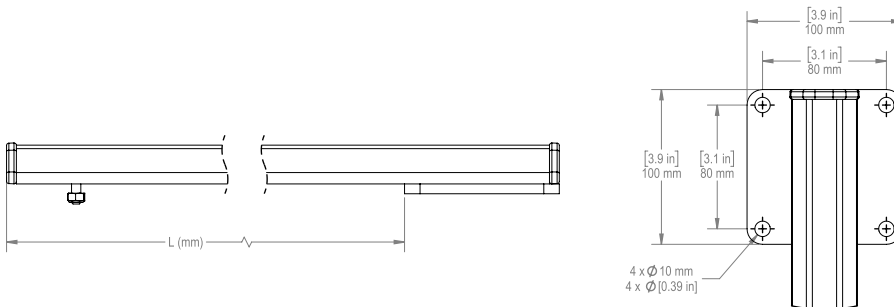
COLOR	PART NUMBER	WEIGHT
Stainless Steel	124859	0.21 kg (0.47 lbs)

MCD - CANTILEVER BRACKET, NON-ADJUSTABLE



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

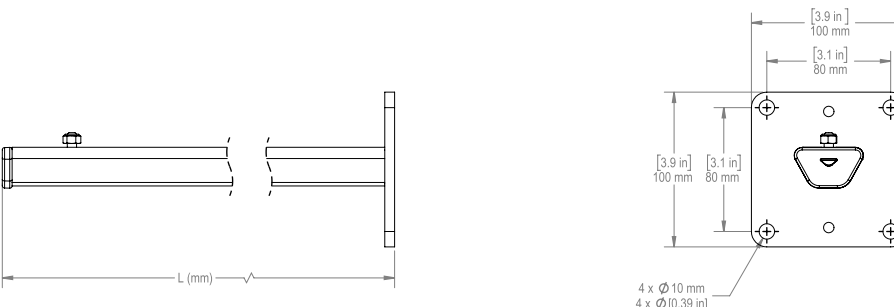
CH - ADJUSTABLE HORIZONTAL CANTILEVER BRACKET KIT - 100 MM TO 500 MM



*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)



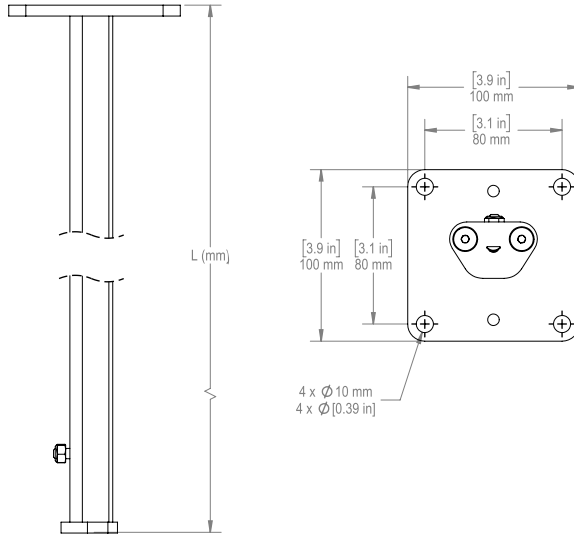
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ORDERING LOGIC: STR9 MOUNTING ACCESSORIES

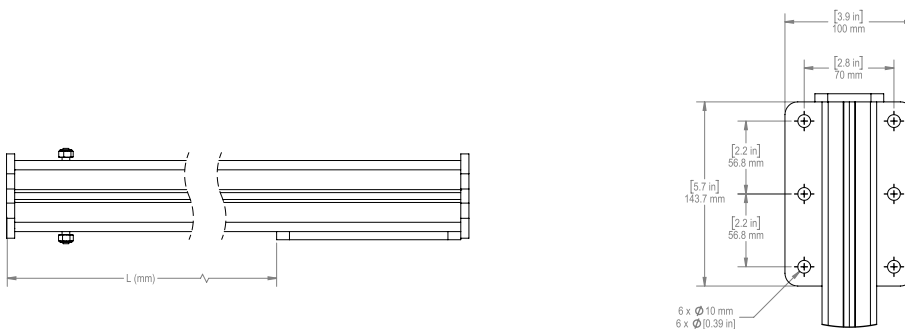
CC - ADJUSTABLE CEILING MOUNT CANTILEVER BRACKET KIT - 100 MM TO 1000 MM



*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)



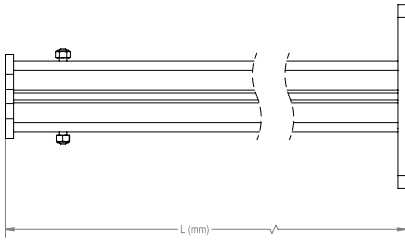
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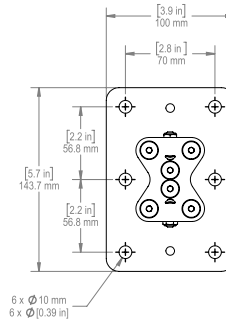
PRODUCT SPECIFICATION SHEET

ORDERING LOGIC: STR9 MOUNTING ACCESSORIES

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

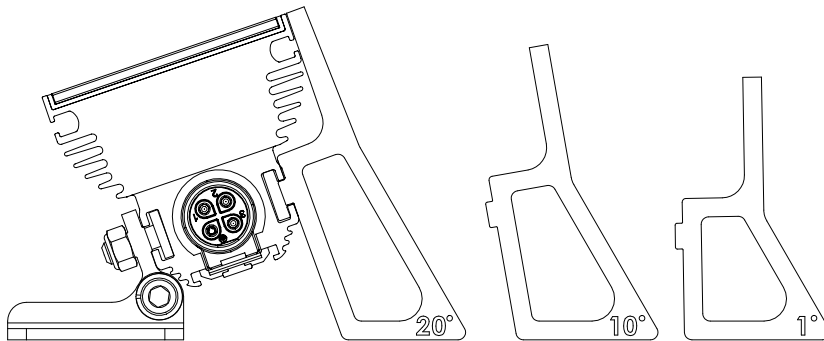


*Fixture bracket not included, please order separately



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



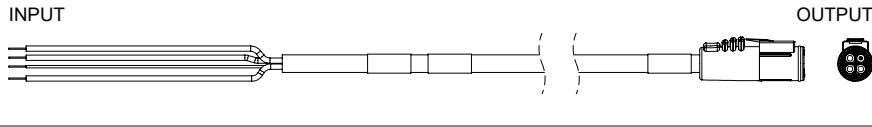
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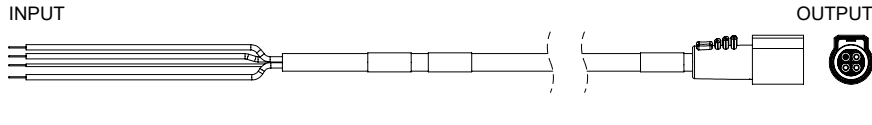
ORDERING LOGIC: STR9 MOUNTING ACCESSORIES

STR9 LEADER CABLE ELV



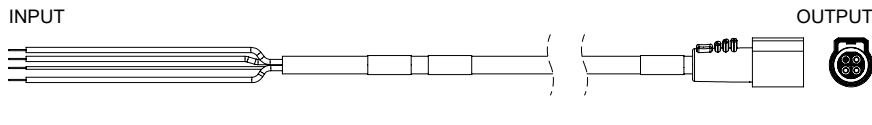
NOMINAL LENGTH	PART NUMBER	WEIGHT
3.0 m (9 ft)	141481	
6.0 m (19 ft)	141484	
9.0 m (30 ft)	141487	
15.0 m (50 ft)	141489	
30.0 m (100 ft)	141492	

STR9 LEADER CABLE INF



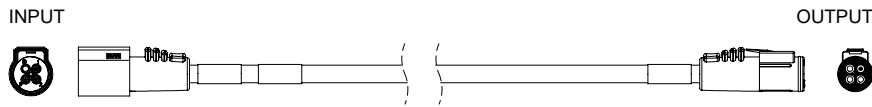
NOMINAL LENGTH	PART NUMBER	WEIGHT
3.0 m (9 ft)	141495	
6.0 m (19 ft)	141498	
9.0 m (30 ft)	141501	
15.0 m (50 ft)	141503	
30.0 m (100 ft)	141506	

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	

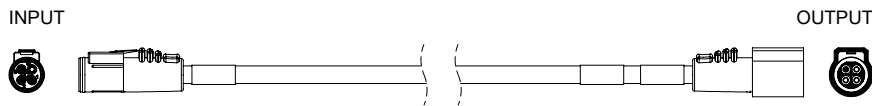
STR9 JUMPER CABLE ELV



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.



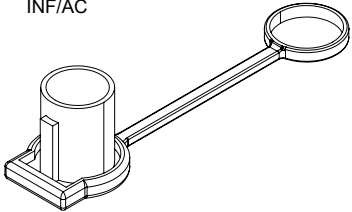
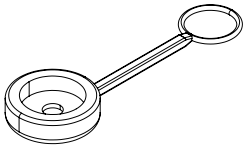
2021-06-14

Dynamic White Linear Wall Washing and Grazing LED Lighting

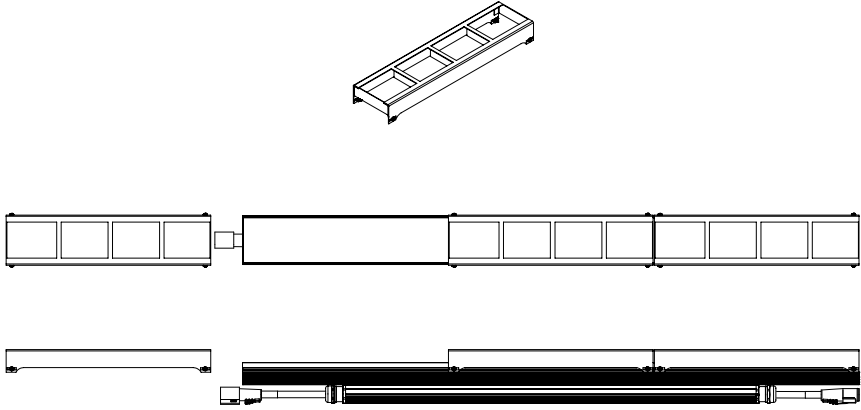
PRODUCT SPECIFICATION SHEET

ORDERING LOGIC: STR9 MOUNTING ACCESSORIES

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

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

STR9 GLARE CONTROL LOUVERS - 300 MM

	COLOR	PART NUMBER	WEIGHT
	BLACK	122739	0.09kg (0.19lbs)