

Chameleon Lite RGBW Linear Bar

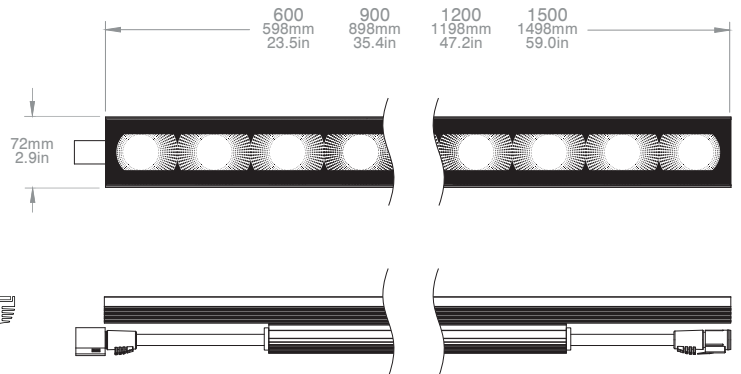


RGBW Linear Wall Washing and Grazing LED Lighting

PRODUCT SPECIFICATION SHEET



DATE:	
TYPE:	
COMPANY:	
PROJECT:	



FEATURES:

Lighting Performance:

- Up to 2413 delivered lumens/meter (724 lumens/foot)
- Technology allows up to three times higher light output in specific colors
- White CCT 3000K
- Optics and diffusing film for 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)

Mechanical Details:

- Compact size, only 56.1mm (2.21in) high x 72.0mm (2.83in) wide
- IP50 rated simplified indoor construction for reduced fixture cost
- 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 connectors

Control:

- DMX control through power-data equipment
- 300mm resolution, each 300mm section can be addressed autonomously, self-addressing fixtures

Projected Lifetime: L70 > 54,000hrs @ $t_a = 50^\circ\text{C}$ (122°F)

Operating Temperatures: 0°C (32°F) to +50°C (122°F)

OPTIONS:

Power Source: Technology for exceptionally long runs from a single power source or extra low voltage for short runs, remote power supplies

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

Nominal Length: 600mm (2ft), 900mm (3ft), 1200mm (4ft) and 1500mm (5ft) or custom length: 300' or 1800'

Beam Distribution: Range of round and elliptical beam angles available

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

Accessories:

- 8 adjustable and 3 non-adjustable mounting brackets
- Glare control louvers

LED Color:

- Custom LED color combinations available

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FAMILY	NOMINAL LENGTH	BODY COLOR	POWER (per 300mm/1ft)	LED COLOR	OPTICS (FWHM)	INPUT VOLTAGE
Chameleon	300' 300E' 600 900 1200 1500 1800	BM - Black Matte Anodized CM - Clear Matte Anodized	15W 20W	RGBW	10 - 10° x 10° 12 - 12° x 12° 15 - 15°x15° 30 - 30°x30° 60 - 60°x60° 80 - 80°x80° 10x35 - 10°x35° 15x60 - 15°x60° 30x60 - 30°x60° Other distributions available. Consult factory.	ELV - 24VDC or 48VDC ^{2,3} CHA - 380VDC ⁴

1 - Custom; consult factory, some restrictions apply, 300E applies to end condition

2 - For short/medium runs; 300mm (1ft) addressability for dimming; remote power-data equipment required

3 - For landscape lighting use 24VDC power-data equipment

4 - For long runs; full luminaire addressability for dimming; remote power-data equipment required

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PRODUCT SPECIFICATIONS: CHAMELEON LITE RGBW

Nominal Length		300/300E ¹	600	900	1200	1500	
Electrical	Rated Input Voltage	24VDC, 48VDC or 380VDC					
	Power Consumption @ 24 or 48VDC Input	15W	15.3/30.6	30.6	45.9	61.2	76.5
	Power Consumption @380VDC Input	20W	18.5/37	37	55.5	74	92.5
	Power Consumption @20W	15W	/29.3	44.6	59.9	75.2	90.5
Optical	Light Source	4 x High Power 4 in 1 LEDs per 300mm (1ft)					
	COLOR-AMP™ 15W Lumen Output (typical)	All On	687	1374	2061	2748	3435
		Red	323	646	969	1292	1615
		Green	476	952	1428	1904	2380
		Blue	280	560	840	1120	1400
		White (3000K)	531	1062	1593	2124	2655
	COLOR-AMP™ 20W Lumen Output (typical)	All On	724	1448	2172	2896	3620
		Red	315	630	945	1260	1575
		Green	470	940	1410	1880	2350
		Blue	207	414	621	828	1035
White (3000K)		503	1006	1509	2012	2515	
Optic	High optical efficiency PMMA TIR lens, micro lens film, tempered glass cover lens						
Beam Angle (FWHM)	10 (10° x 10°), 12 (12° x 12°), 15 (15°x15°), 30 (30°x30°), 60 (60°x60°), 80 (80°x80°) 10x30 (10°x30°), 10x60 (10°x60°) 30x60 (30°x60°)						
Projected Lumen Maintenance	L70 > 65,000hrs @ t _v =50°C (122°F)						
Control	Control Protocol	DMX control through Power-Data Equipment					
Physical	Size (WxH)	mm	72.0 x 56.1				
		inches	2.83 x 2.21				
	Actual Length	mm	298/333	598	898	1198	1498
		inches	11.73/13.11	23.54	35.35	47.17	58.98
	Weight	kg	1.07	2.14	3.21	4.28	5.35
		lbs	2.36	4.72	7.08	9.44	11.79
	Housing	Extruded aluminum body, tempered flat glass lens					
	Fixture Connections	Input and output snap-in connectors for end-to-end connection					
	Rated Operation Temperature	0°C to 50°C (32°F to 122°F)					
	Minimum Starting Temperature	0°C (32°F)					
Environment	Dry or damp locations only						
IES Classifications	Class 1 LED Luminaire						
		CE Certified QPS Field Inspection RoHS Compliant Constructed to meet requirements outlined in UL1598 & IEC60598					

1 - Custom configuration, consult factory

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

SELECTING LUMINAIRE VOLTAGE

24VDC

- for short runs onl , up to 3.9m (12ft)
- use when class 2 circuit is require

48VDC

- for any short and medium length run, up to 7.8m (25ft)

380VDC

- for long runs, up to 76.5m (250ft)
- compatible with data center power grid
- compatible with solar and wind powe

MAXIMUM RUN LENGTHS

	15W	20W
24VDC	N/A	3.9m (12ft)
48VDC	N/A	7.8m (25ft)
380VDC	N/A	76.5m (250ft)

Ratings are for 30°C, de-rating will be used for higher ambient temperatures

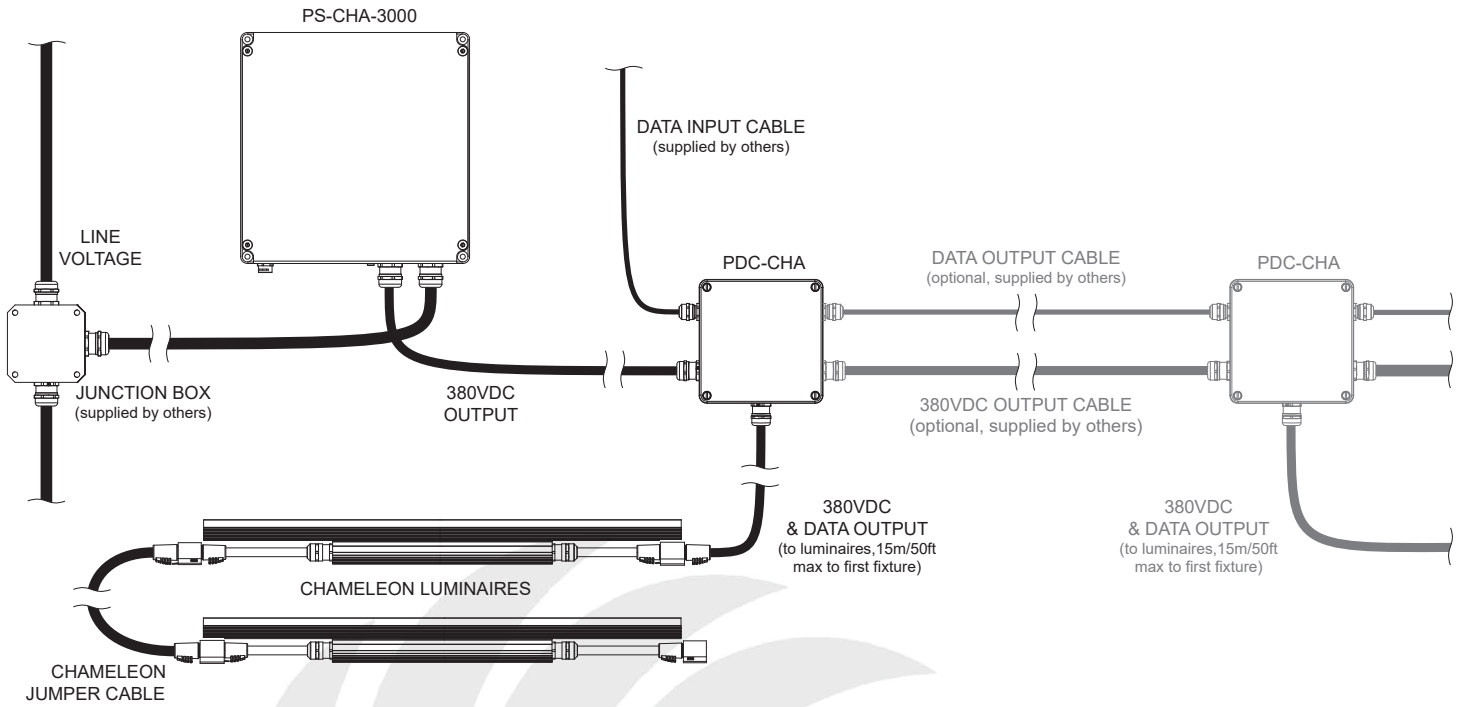
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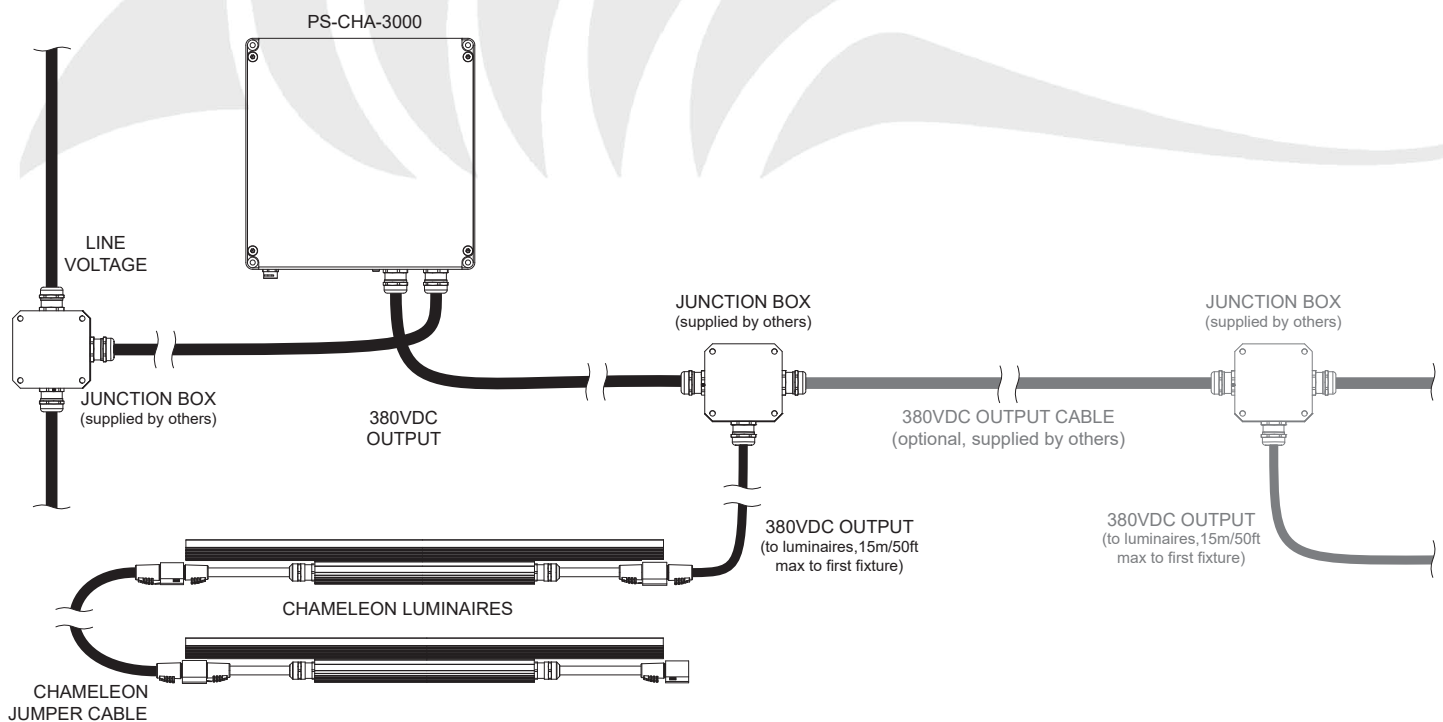
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TYPICAL SYSTEM DIAGRAM: CHAMELEON WITH CONTROL



TYPICAL SYSTEM DIAGRAM: CHAMELEON WITHOUT CONTROL



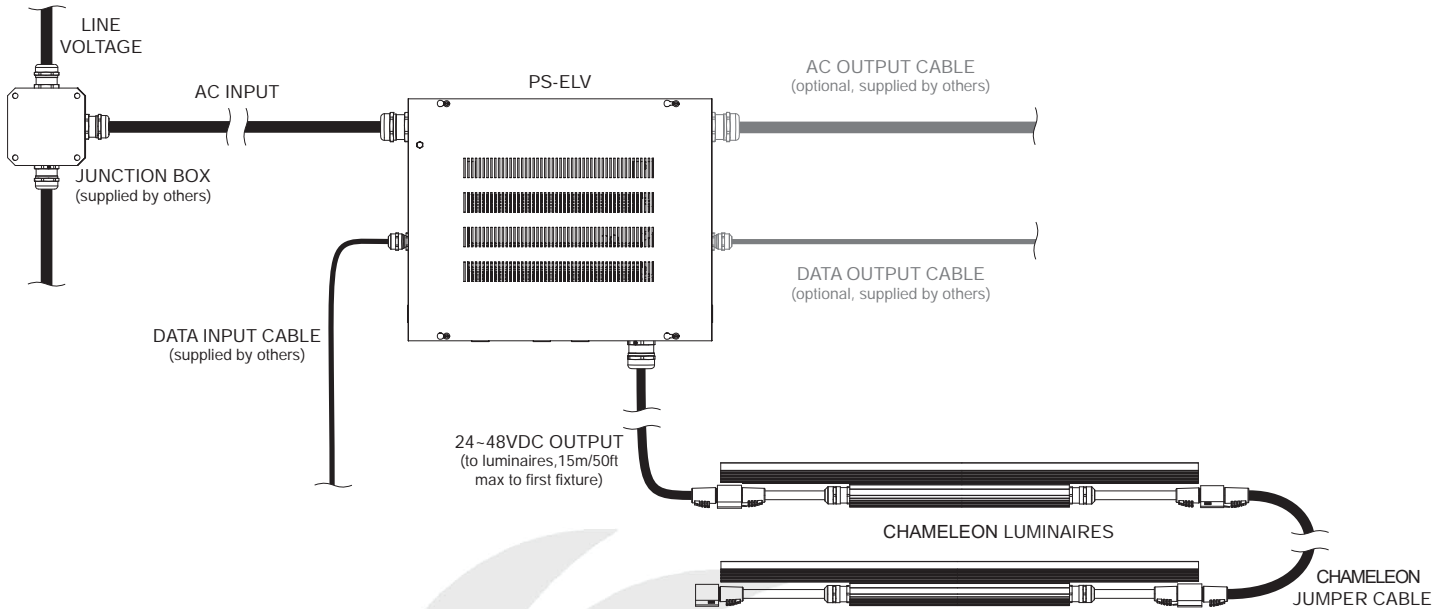
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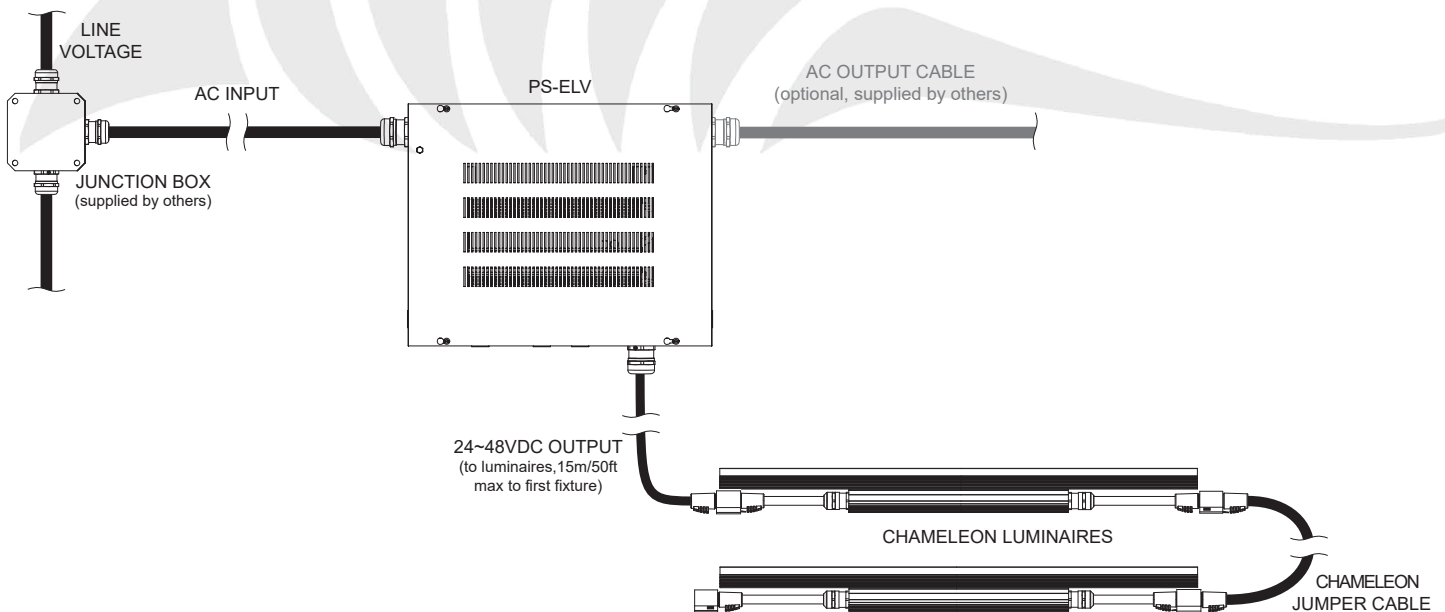
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PRODUCT SPECIFICATION SHEET

TYPICAL SYSTEM DIAGRAM: ELV WITH CONTROL



TYPICAL SYSTEM DIAGRAM: ELV WITHOUT CONTROL



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PRODUCT SPECIFICATION SHEET

ORDERING LOGIC: CHAMELEON MOUNTING ACCESSORIES

WXX - ADJUSTABLE WALL MOUNT BRACKET KIT		W40 ADJUSTABLE WALL MOUNT							
			<table border="1"> <thead> <tr> <th>COLOR</th> <th>PART NUMBER</th> </tr> </thead> <tbody> <tr> <td>Clear Matte Anodized</td> <td>121128</td> </tr> <tr> <td>Black Matte Anodized</td> <td>121129</td> </tr> </tbody> </table>	COLOR	PART NUMBER	Clear Matte Anodized	121128	Black Matte Anodized	121129
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Clear Matte Anodized	121128								
Black Matte Anodized	121129								
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Clear Matte Anodized	121130								
Black Matte Anodized	121131								
			<table border="1"> <thead> <tr> <th>COLOR</th> <th>PART NUMBER</th> </tr> </thead> <tbody> <tr> <td>Clear Matte Anodized</td> <td>121132</td> </tr> <tr> <td>Black Matte Anodized</td> <td>121133</td> </tr> </tbody> </table>	COLOR	PART NUMBER	Clear Matte Anodized	121132	Black Matte Anodized	121133
COLOR	PART NUMBER								
Clear Matte Anodized	121132								
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			<table border="1"> <thead> <tr> <th>COLOR</th> <th>PART NUMBER</th> </tr> </thead> <tbody> <tr> <td>Clear Matte Anodized</td> <td>121134</td> </tr> <tr> <td>Black Matte Anodized</td> <td>121135</td> </tr> </tbody> </table>	COLOR	PART NUMBER	Clear Matte Anodized	121134	Black Matte Anodized	121135
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COLOR	PART NUMBER								
Clear Matte Anodized	121136								
Black Matte Anodized	121137								
SMA-I - INSIDE ADJUSTABLE SURFACE MOUNT BRACKET KIT		COLOR							
			<table border="1"> <thead> <tr> <th>COLOR</th> <th>PART NUMBER</th> </tr> </thead> <tbody> <tr> <td>Clear Matte Anodized</td> <td>121138</td> </tr> <tr> <td>Black Matte Anodized</td> <td>121139</td> </tr> </tbody> </table>	COLOR	PART NUMBER	Clear Matte Anodized	121138	Black Matte Anodized	121139
COLOR	PART NUMBER								
Clear Matte Anodized	121138								
Black Matte Anodized	121139								
SMA-O - OUTSIDE ADJUSTABLE SURFACE MOUNT BRACKET KIT		COLOR							
			<table border="1"> <thead> <tr> <th>COLOR</th> <th>PART NUMBER</th> </tr> </thead> <tbody> <tr> <td>Clear Matte Anodized</td> <td>121825</td> </tr> <tr> <td>Black Matte Anodized</td> <td>121826</td> </tr> </tbody> </table>	COLOR	PART NUMBER	Clear Matte Anodized	121825	Black Matte Anodized	121826
COLOR	PART NUMBER								
Clear Matte Anodized	121825								
Black Matte Anodized	121826								
SML - SURFACE MOUNT BRACKET KIT, NON-ADJUSTABLE		COLOR							
			<table border="1"> <thead> <tr> <th>COLOR</th> <th>PART NUMBER</th> </tr> </thead> <tbody> <tr> <td>Clear Matte Anodized</td> <td>121140</td> </tr> <tr> <td>Black Matte Anodized</td> <td>121141</td> </tr> </tbody> </table>	COLOR	PART NUMBER	Clear Matte Anodized	121140	Black Matte Anodized	121141
COLOR	PART NUMBER								
Clear Matte Anodized	121140								
Black Matte Anodized	121141								

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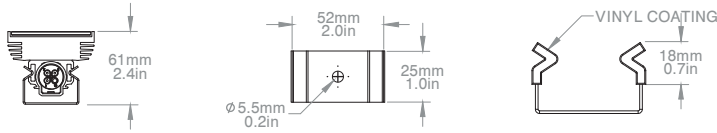


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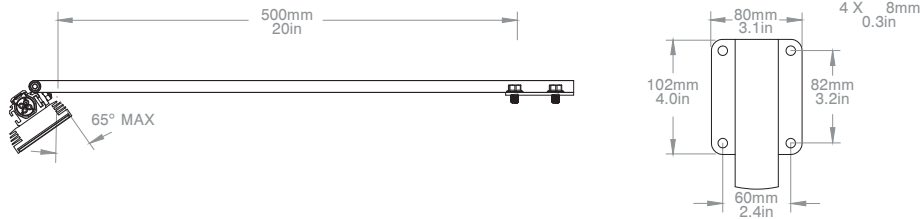
ORDERING LOGIC: CHAMELEON MOUNTING ACCESSORIES

CLP - CLIP MOUNT KIT, NON-ADJUSTABLE



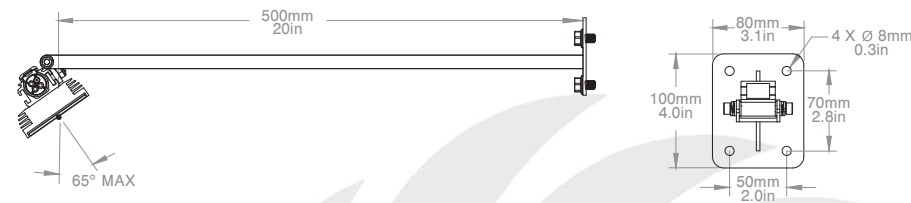
COLOR	PART NUMBER
Stainless Steel	121148

CTLX- ADJUSTABLE CANTILEVER BRACKET



CTLH - HORIZONTAL MOUNTING BRACKET

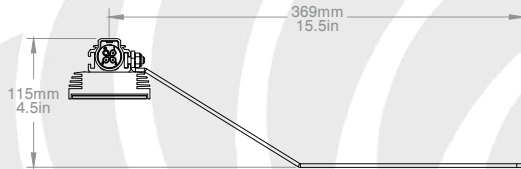
COLOR	PART NUMBER
Clear Matte Anodized	121142
Black Matte Anodized	121143



CTLV - VERTICAL MOUNTING BRACKET

COLOR	PART NUMBER
Clear Matte Anodized	121144
Black Matte Anodized	121145

MCD - CANTILEVER BRACKET, NON-ADJUSTABLE



MCD

COLOR	PART NUMBER
Stainless Steel	121146

ORDERING LOGIC: POWER SUPPLIES & POWER DATA CONVERTORS

CHAMELEON POWER SUPPLIES, 100-240V AC

PS-CHA 3000

INPUT TYPE	PART NUMBER
Single-Phase	G20260
Two-Phase	G20261

CHAMELEON POWER-DATA CONVERTERS

PDC-CHA, CHA+ZH, IP66

INPUT TYPE	PART NUMBER
1DMX	G20222
2DMX	G20228
0~10V DALI	G20223

ELV POWER SUPPLIES

FAMILY	OUTPUT VOLTAGE	POWER (Watts)		CONTROL INPUT	OUTPUT	INPUT VOLTAGE	CONSTRUCTION
PS	ELV24	60	240	0~10V	ELV+ZH - ELV Power & ZH Data	120~277V AC	IP30 - Indoor IP66 - Outdoor
		100	320				
PDB	ELV48	240	480	DALI	ELV+ZH - ELV Power & ZH Data	120~277V AC	IP30 - Indoor IP66 - Outdoor
		320	640				
	ELV24	60	240	DMX			
		100	320				
ELV48	240	480					
	320	640					

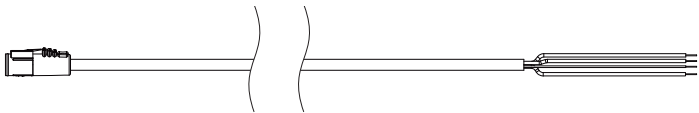
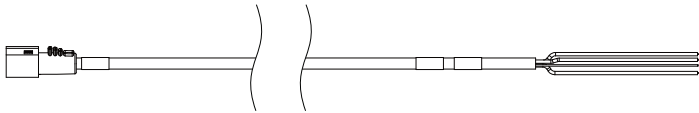
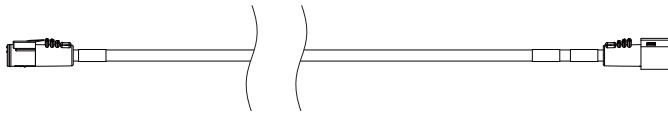

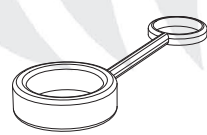
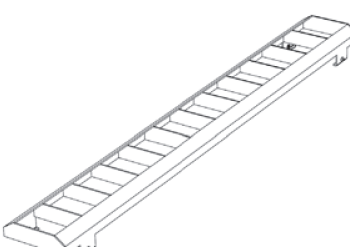
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ORDERING LOGIC: COMMON COMPONENTS

CHAMELEON LEADER CABLE ELV																	
		NOMINAL LENGTH		PART NUMBER													
		3m (9ft)	141481	6m (19ft)	141484	9m (30ft)	141487	15m (50ft)	141489	30m (100ft)	141492						
CHAMELEON LEADER CABLE CHA																	
		NOMINAL LENGTH		PART NUMBER													
		3m (9ft)	141495	6m (19ft)	141498	9m (30ft)	141501	15m (50ft)	141503	30m (100ft)	141506						
SCHAMELEON JUMPER CABLE ELV																	
		NOMINAL LENGTH		PART NUMBER													
		0.3m (1ft)	141739	0.6m (2ft)	141740	0.9m (3ft)	141741	1.2m (4ft)	141742	1.5m (5ft)	141743	1.8m (6ft)	141744	3.6m (12ft)	141750	6.0m (20ft)	141758
CHAMELEON JUMPER CABLE CHA																	
		NOMINAL LENGTH		PART NUMBER													
		0.3m (1ft)	141789	0.6m (2ft)	141790	0.9m (3ft)	141791	1.2m (4ft)	141792	1.5m (5ft)	141793	1.8m (6ft)	141794	3.6m (12ft)	141800	6.0m (20ft)	141808
CHAMELEON CONNECTOR DUST CAP, IP67 (must be used at the end of each run)																	
		TYPE		PART NUMBER													
		CHA-ELV	231182	CHA-LITE	230855												
CHAMELEON LITE GLARE CONTROL LOUVERS																	
		MODULAR LOUVER															
		600mm	900mm	1200mm	1500mm												
122763	122764	122765	122766														