FL200

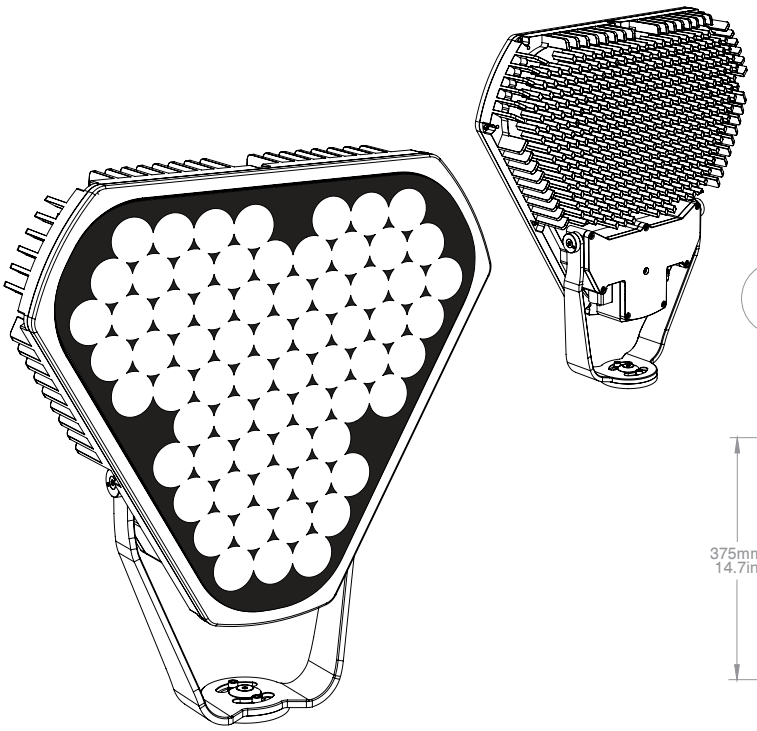
INFINITY® GVA TECHNOLOGY

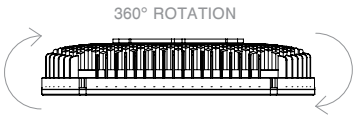
GVA LIGHTING

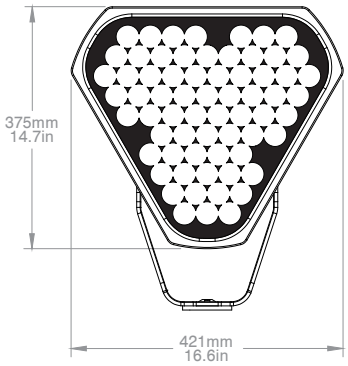
Monochromatic Architectural Spot and Floodlight

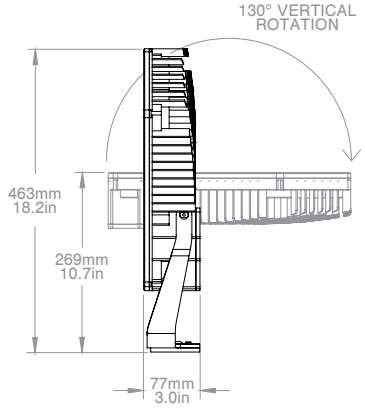
PRODUCT SPECIFICATION SHEET

DATE:	
TYPE:	
COMPANY:	
PROJECT:	









*SM bracket mounting option shown.
See page 2 for more mounting options.

FEATURES:

- Over 16,500 Lumen delivered (ELV)
- Ultra narrow 4° beam angle
- Compact size, only 86mm (3.34in) in depth
- Weight of only 8.5kg (18.73lbs)
- Advanced thermal design with cutting-edge manufacturing process and materials
- Highly adjustable with 360° horizontal rotation and 130° vertical rotation
- INFINITY® Technology compatible (INF)
- Built-in high temperature power supply (AC)
- Plug-and-play with STR9® luminaires

OPTIONS:

- Wide range of LED colors available
- Beam angles ranging from 4° to 75° with elliptical distribution options
- Optical accessories for glare control
- Black matte and clear matte anodized colors
- ELV (48VDC), INF (380VDC) and AC (85-264VAC) input options

SPECIFICATION LOGIC: FL200™ MONOCHROMATIC

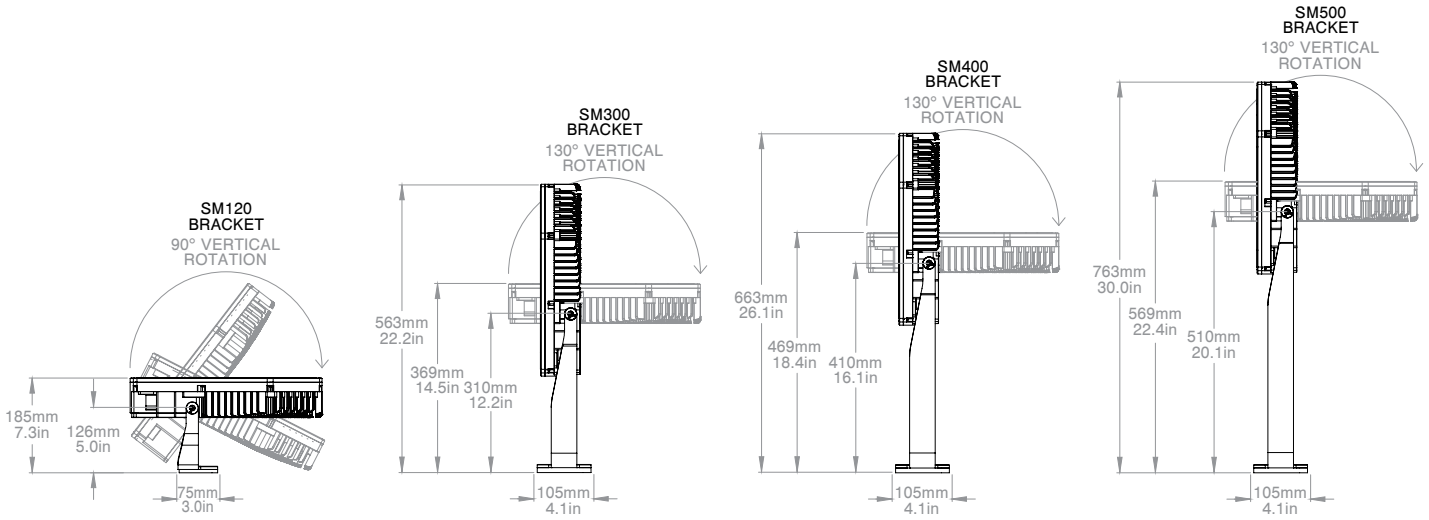
FAMILY	BODY COLOR	LED COLOR	OPTICS(FWHM)*	VOLTAGE	MOUNTING OPTION
FL200	**BM** - Black Matte Anodized	2200K[1]	**4** - 4.5°x4.5°	**ELV** - 48VDC	**SM120** - Surface Mount 120mm[1]
	CM - Clear Matte Anodized	**2700K**	**7** - 7°x7°	**INF** - 380VDC	**SM200** - Surface Mount 200mm
		3000K	**10** - 10°x10°	**AC** - 85-264VAC[2]	**SM300** - Surface Mount 300mm[1]
		3500K	**20** - 20°x20°		**SM400** - Surface Mount 400mm[1]
		4000K	**40** - 40°x40°		**SM500** - Surface Mount 500mm[1]
		5000K	**55** - 55°x55°		**SMXXX** - Surface Mount Custom[1] (specify length)
		6500K	**75** - 75°x75°		**SF** - Slip Fit 2in[1]
		GR - Green	**10x40** - 10°x40° H		**PM** - Pole Mount[1]
		RD - Red	**40x10** - 40°x10° V		
		BL - Blue	**10x60** - 10°x60° H		
		AM - Amber	**60x10** - 60°x10° V		
		RO - Red Orange[1]	**30x55** - 30°x60° H		
		BG - Bluish Green[1]	**55x30** - 60°x30° V		
		RB - Royal Blue[1]			

PRODUCT CONFIGURATION

1 - Non-standard option and may require longer lead time than usual.
2 - 277VAC version in development.

* Nominal values are used. Actual measurements may differ slightly.

FL200™ MOUNTING BRACKET OPTIONS



PRODUCT SPECIFICATIONS: FL200™ MONOCHROMATIC

ELECTRICAL	Rated Input Voltage		48VDC		380VDC		85~264VAC	
	Power Consumption (max.)		220W		220W		220W	
OPTICAL	Light Source	69 x High Power LEDs						
	CRI	80 [2]						
	Color	Wave Length (nm)	Luminous Flux (lm)	Peak Intensity (cd)	Luminous Flux (lm)	Peak Intensity (cd)	Luminous Flux (lm)	Peak Intensity (cd)
	4000K [4]	N/A	13,300	950,000	12,000	870,000	10,750	789,000
	Red	620	N/A	N/A	N/A	N/A	N/A	N/A
	Green	525	N/A	N/A	N/A	N/A	N/A	N/A
	Blue	470	N/A	N/A	N/A	N/A	N/A	N/A
	Amber	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Red Orange [1]	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Bluish Green [1]	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Royal Blue [1]	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	4000K [4]	N/A	16,560	734,900	14,900	661,000	13,400	594,000
	Red	620	N/A	N/A	N/A	N/A	N/A	N/A
	Green	525	N/A	N/A	N/A	N/A	N/A	N/A
	Blue	470	N/A	N/A	N/A	N/A	N/A	N/A
	Amber	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Red Orange [1]	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Bluish Green [1]	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Royal Blue [1]	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Optics	High optical efficiency PMMA TIR Optics, Micro Lense Film, Tempered Glass Cover Lens						
	Beam Angle (FWHM)	4 (4.5°X4.5°), 7 (7°x7°), 10 (10°x10°), 20 (20°x20°), 40 (40°x40°), 55 (55°x55°), 75 (75°x75°), 10x40 (10°x40°), 40x10 (40°x10°), 10x60 (10°x60°), 60x10 (60°x10°), 30x55 (30°x55°), 55x30 (55°x30°)						
	Projected Lumen Maintenance	L70 > 60,000hrs @ Ta =50°C/122°F						
CONTROL	Control Interface	DMX control through GVA's Power-Data Equipment						
PHYSICAL	Size (HxWxD)	mm	463 x 415 x 86					
		inches	18.2 x 16.3 x 3.38					
	Weight	kg	8.5					
		lbs	18.73					
	Housing	Anodized 6061 Aluminum Alloy						
	Fixture Connections	IP68 Connectors						
	Rated Operation Temperature	-40°C to +50°C, -22°F to 122°F						
	Environment	Dry, Damp or Wet Locations, 0-100% humidity						
CERTIFICATION & SAFETY	Listings	RoHS						
	IEC Classifications	Class 1 LED Luminaire						
	CE RoHS Compliant						Constructed to meet requirements outlined in UL1598 & IEC60598	

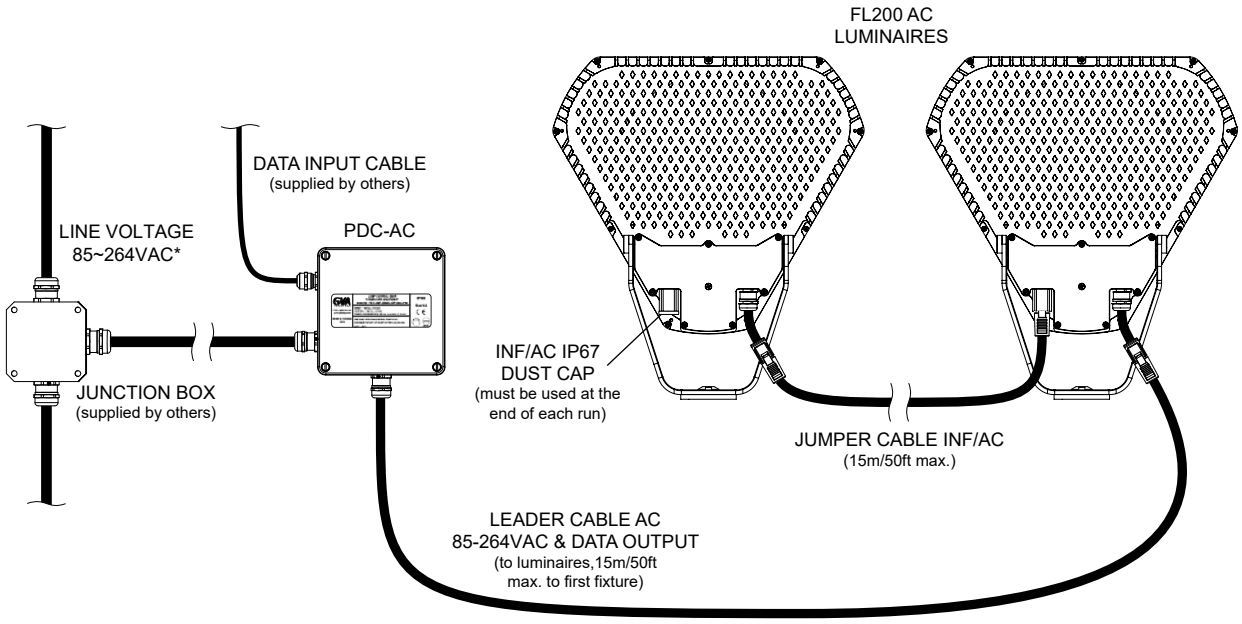
1 - Non standard option and might require longer leadtime than usual.
2 - Minimum 90 CRI also available.
3 - Measured with 7° fixture configuration. Luminous flux may be lower with wider beam configuration.
4 - Warmer color temperatures typically have a lower lumen output.

These figures are subject to change due to further development and innovations of LED light sources. This product is in its early release stage. The data above is in preliminary stage until full release.

TYPICAL SYSTEM DIAGRAM: AC (WITH CONTROL)

NOTE: Length of leader cables and jumper cables directly affects the maximum number of fixtures in a single run.

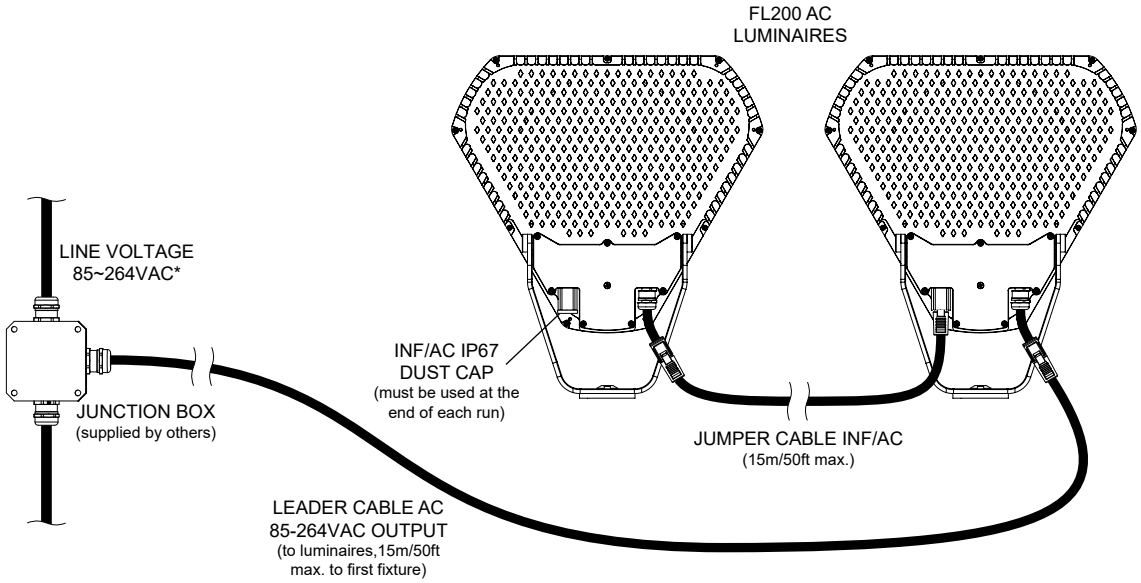
* 277VAC version in development, consult factory for details



TYPICAL SYSTEM DIAGRAM: AC (WITH NO CONTROL)

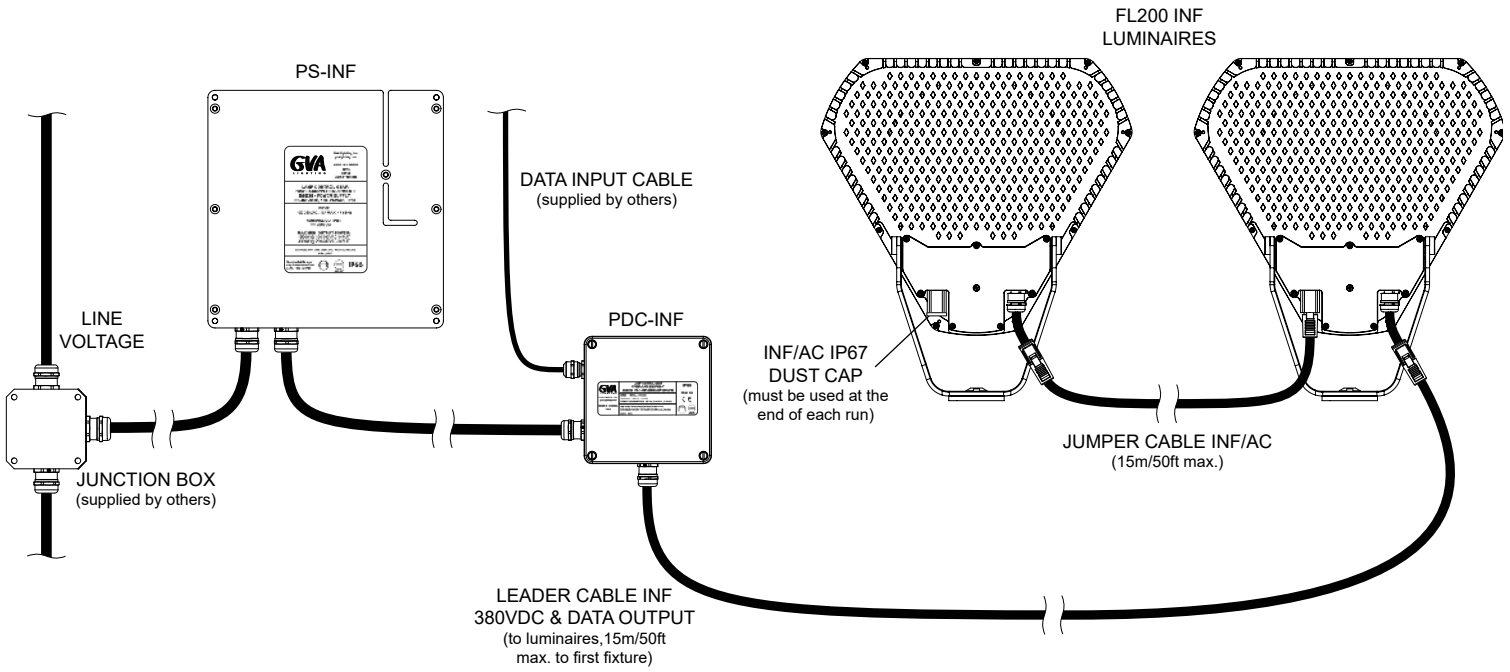
NOTE: Length of leader cables and jumper cables directly affects the maximum number of fixtures in a single run.

* 277VAC version in development, consult factory for details



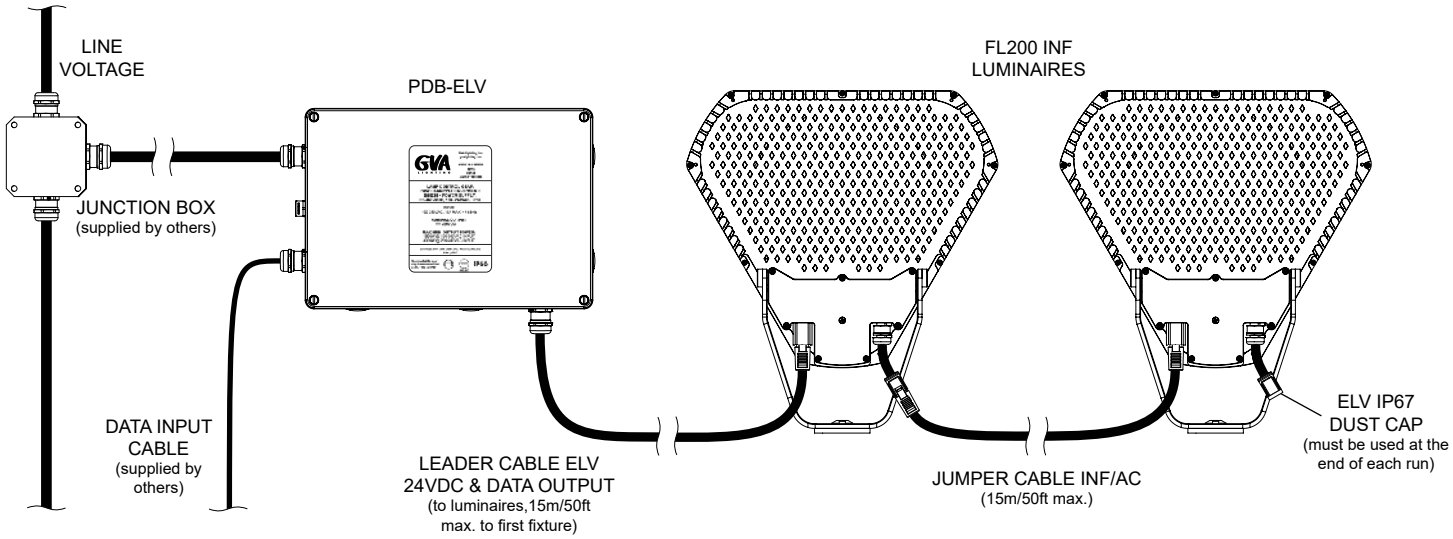
TYPICAL SYSTEM DIAGRAM: INFINITY® (WITH CONTROL)

NOTE: Length of leader cables and jumper cables directly affects the maximum number of fixtures in a single run.



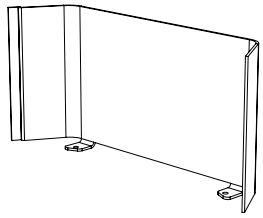
TYPICAL SYSTEM DIAGRAM: ELV (WITH CONTROL)

NOTE: Length of leader cables and jumper cables directly affects the maximum number of fixtures in a single run.



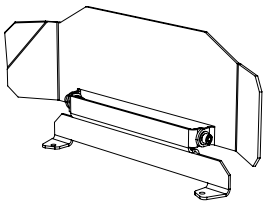
ORDERING LOGIC: ACCESSORIES

VISORS



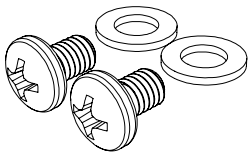
COLOR	PART NUMBER
Clear Matte Anodized	
Black Matte Anodized	
Custom Anodized	
* Individual items, for a full set, order quantity of 3	

BARN DOORS



COLOR	PART NUMBER
Clear Matte Anodized	
Black Matte Anodized	
Custom Anodized	
* Individual items, for a full set, order quantity of 3	

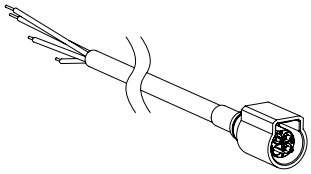
SCREW SETS



COLOR	PART NUMBER
	121571
	*Order 1 per every single visor or barndoor ordered

ORDERING LOGIC: COMMON COMPONENTS

LEADER CABLES



LEADER CABLE ELV

NOMINAL LENGTH	PART NUMBER
3m (10ft)	140723
9m (30ft)	140733
15m (50ft)	140724
CUSTOM	140732

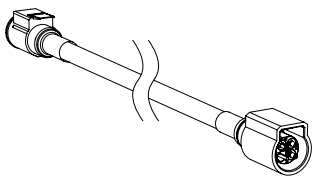
LEADER CABLE INF

3m (10ft)	140725
9m (30ft)	140710
15m (50ft)	140726
CUSTOM	140727

LEADER CABLE AC

3m (10ft)	140858
9m (30ft)	140859
15m (50ft)	140860
CUSTOM	140861

JUMPER CABLES



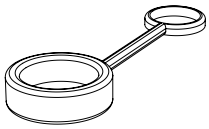
JUMPER CABLE ELV

0.9m (3ft)	140729
1.8m (6ft)	140730
3.6m (12ft)	140731
CUSTOM	140728

JUMPER CABLE INF/AC

0.9m (3ft)	140709
1.8m (6ft)	140734
3.6m (12ft)	140735
CUSTOM	140708

CONNECTOR DUST CAP, IP67 (must be used at the end of each run)



INPUT TYPE	PART NUMBER
INF/AC	230855
ELV	231182