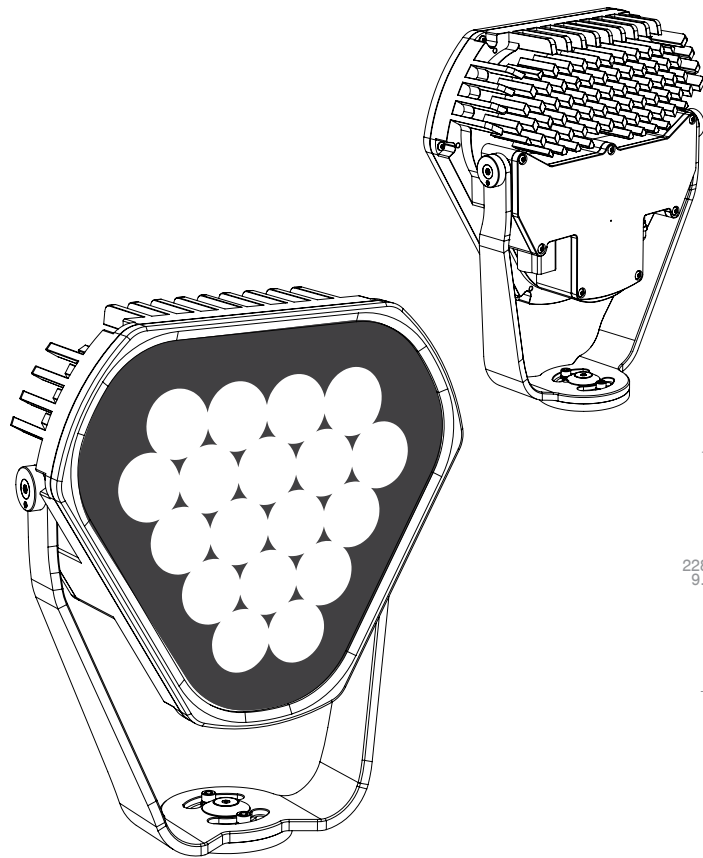


## Monochromatic Architectural Spot and Floodlight

## PRODUCT SPECIFICATION SHEET

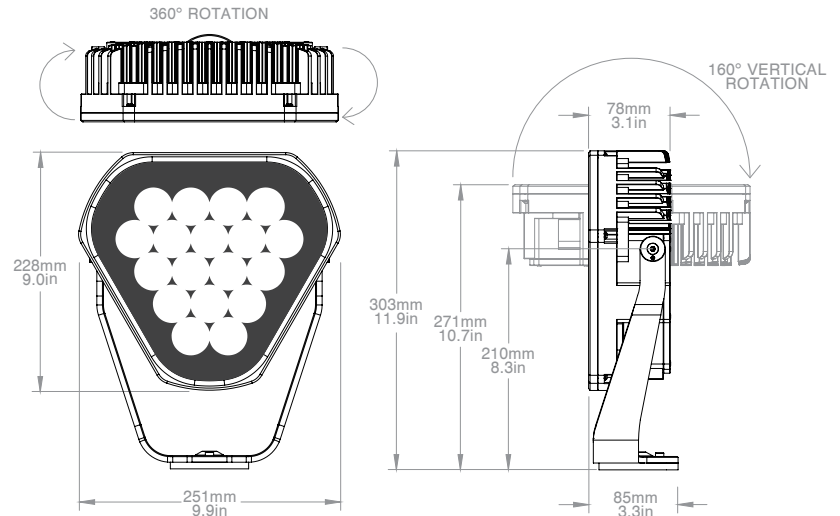


DATE:

TYPE:

COMPANY:

PROJECT:



\*SM200 bracket mounting option shown.  
See page 2 for more mounting options.

## FEATURES:

- Over 4400 Lumen delivered
- Ultra narrow 4.5° beam angle
- INFINITY® Technology compatible (INF)
- Built-in high temperature power supply (AC)
- Plug-and-play with STR9® luminaires
- IP66 sealed body design
- Advanced thermal design with cutting-edge manufacturing process and materials
- Compact size, only 78mm (3.1in) in depth
- Weight of only 3kg (6.6lbs)
- Highly adjustable with 360° horizontal rotation and 160° vertical rotation

## OPTIONS:

- Wide range of LED colors available
- Beam angles ranging from 4° to 85° with elliptical distribution options
- Optical accessories for glare control
- Clear matte and black matte standard anodized body colors
- Custom body colors available on demand
- ELV (48VDC), INF (380VDC) and AC (85~277VAC) input options
- Range of bracket lengths and mounting options

## SPECIFICATION LOGIC: FL50 MONOCHROMATIC

FAMILY	BODY COLOR	LED COLOR	OPTICS(FWHM)*	VOLTAGE	MOUNTING OPTION
FL50	<b>BM</b> - Black Matte Anodized <b>CM</b> - Clear Matte Anodized <b>CUST</b> - Custom Color <sup>1</sup>	2200K <sup>1</sup>	4 - 4.5°x4.5°	<b>ELV</b> - 48VDC <b>INF</b> - 380VDC <b>AC277</b> - 85~277VAC	<b>SM120</b> - Surface Mount 120mm <sup>1</sup> <b>SM200</b> - Surface Mount 200mm <sup>1</sup> <b>SM300</b> - Surface Mount 300mm <sup>1</sup> <b>SM400</b> - Surface Mount 400mm <sup>1</sup> <b>SM500</b> - Surface Mount 500mm <sup>1</sup> <b>SMXXX</b> - Surface Mount Custom <sup>1</sup> (specify length) <b>TM200</b> - Tenon Mount 200mm <sup>1</sup> <b>PM</b> - Pole Mount <sup>1</sup>
		2700K	7 - 7°x7°		
		3000K	10 - 10°x10°		
		3500K	20 - 20°x20°		
		4000K	40 - 40°x40°		
		5000K	55 - 55°x55°		
		6500K	75 - 75°x75°		
		GR - Green	85 - 85°x85°		
		RD - Red	10x40 - 10°x40° H		
		BL - Blue	40x10 - 40°x10° V		
		AM - Amber <sup>1</sup>	10x60 - 10°x60° H		
		RO - Red Orange <sup>1</sup>	60x10 - 60°x10° V		
		BG - Bluish Green <sup>1</sup>	30x55 - 30°x55° H		
		RB - Royal Blue <sup>1</sup>	55x30 - 55°x30° V		

## PRODUCT CONFIGURATION

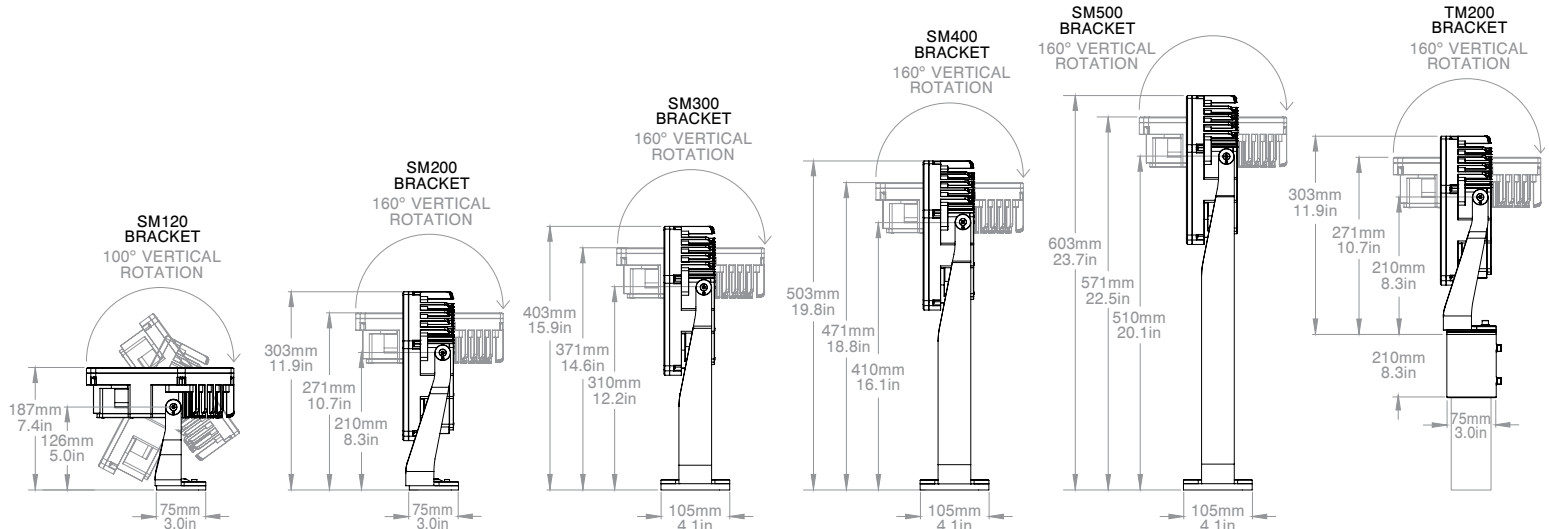
1. Non standard option and might require longer leadtime than usual. Contact factory for details.

Nominal values are used. Actual measurements may differ slightly.

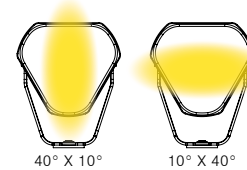


## Monochromatic Architectural Spot and Floodlight

## PRODUCT SPECIFICATION SHEET

## FL50 MOUNTING BRACKET OPTIONS



## PRODUCT SPECIFICATIONS: FL50 MONOCHROMATIC

ELECTRICAL		Rated Input Voltage		48VDC		380VDC		85~277VAC		
		Power Consumption (max.)		50W		60W		70W		
OPTICAL	Light Source		18 x High Power LEDs							
	CRI		80'							
	Output (typical)	Color	Wave Length (nm)	Luminous Flux (lm)	Peak Intensity (cd)	Luminous Flux (lm)	Peak Intensity (cd)	Luminous Flux (lm)	Peak Intensity (cd)	
		4000K <sup>3</sup>	N/A	3,700	268,612	3,700	268,612	3,700	268,612	
		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	
	4°	Blue	470	N/A	N/A	N/A	N/A	N/A	N/A	
		Output (typical) <sup>2</sup>	4000K <sup>3</sup>	N/A	4,600	204,143	4,600	204,143	4,600	204,143
			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
7°	Blue		470	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)		<div>4 (4.5°X4.5°), 7 (7°x7°), 10 (10°x10°), 20 (20°x20°), 40 (40°x40°), 55 (55°x55°), 75 (75°x75°), 85 (85°x85°), 10x40 (10°x40°), 40x10 (40°x10°), 10x60 (10°x60°), 60x10 (60°x10°), 30x55 (30°x55°), 55x30 (55°x30°)</div> <div></div>							
	Projected Lumen Maintenance		L70 > 60,000hrs @ Ta =50°C (122°F)							
CONTROL		Control Interface		DMX control through GVA's Power-Data Equipment						
PHYSICAL	Body Size (HxWxD)		228 x 251 x 78 mm (9.0 x 9.9 x 3.1 in)							
	Weight		3.0 kg (6.6 lbs)							
	Housing		Anodized 6061 Aluminum Alloy							
	Fixture Connections		IP68 Connectors							
	Rated Operation Temperature		-40°C (-40°F) to +50°C (122°F)							
	Environment		Dry, Damp or Wet Locations, 0-100% humidity							
CERTIFICATION & SAFETY	Listings		RoHS, REACH							
	IEC Classifications		Class 1 LED Luminaire							
					<div>Constructed to meet requirements outlined in UL1598 &amp; IEC60598</div> <div>Constructed to meet ANSI C136.31 3G Vibration standard for bridge and overpass applications</div>					

1. Minimum 90 CRI also available.

2. Measured with 7° fixture configuration. Luminous flux may be lower with other configurations.

3. Warmer color temperatures typically have a lower lumen output.

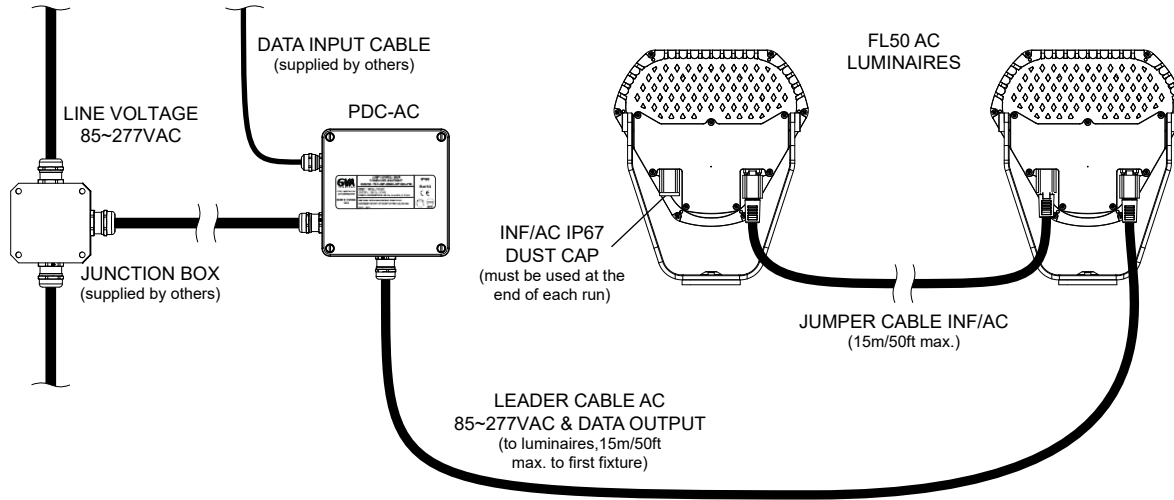
These figures are subject to change due to further development and innovations of LED light sources.

## Monochromatic Architectural Spot and Floodlight

## PRODUCT SPECIFICATION SHEET

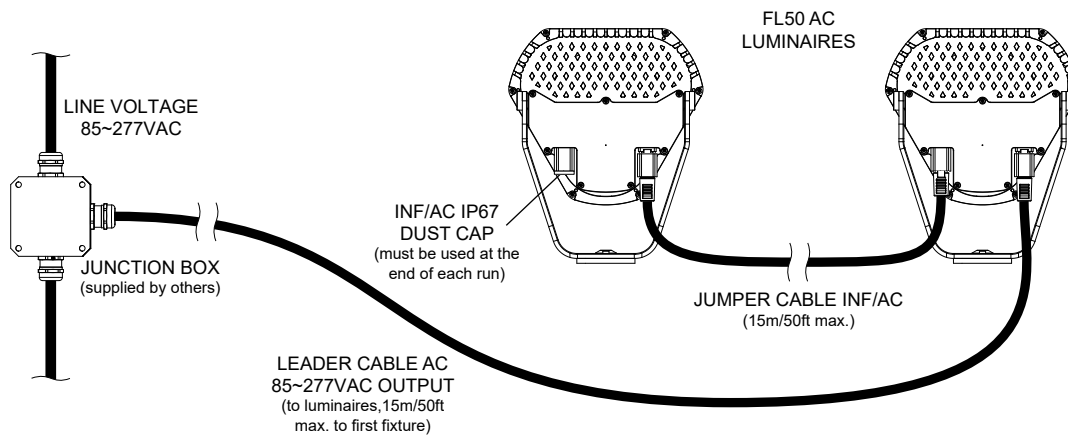
### TYPICAL SYSTEM DIAGRAM: AC (WITH CONTROL)

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



### 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.

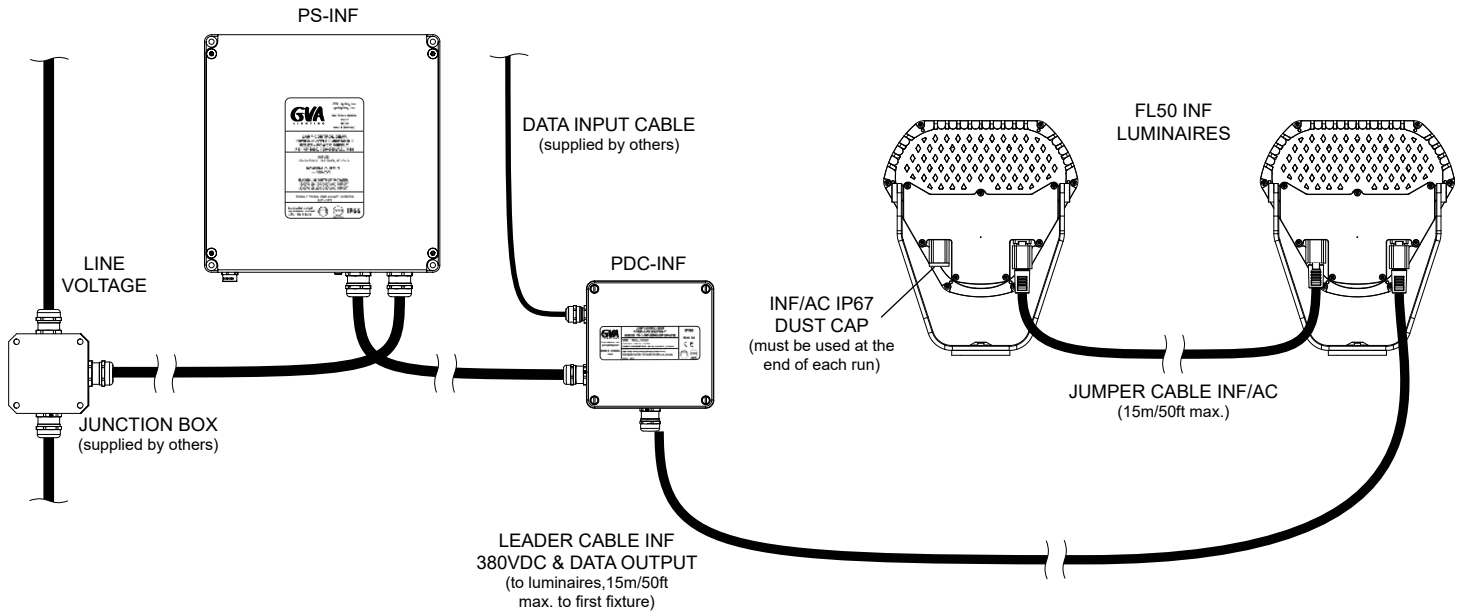


## Monochromatic Architectural Spot and Floodlight

## PRODUCT SPECIFICATION SHEET

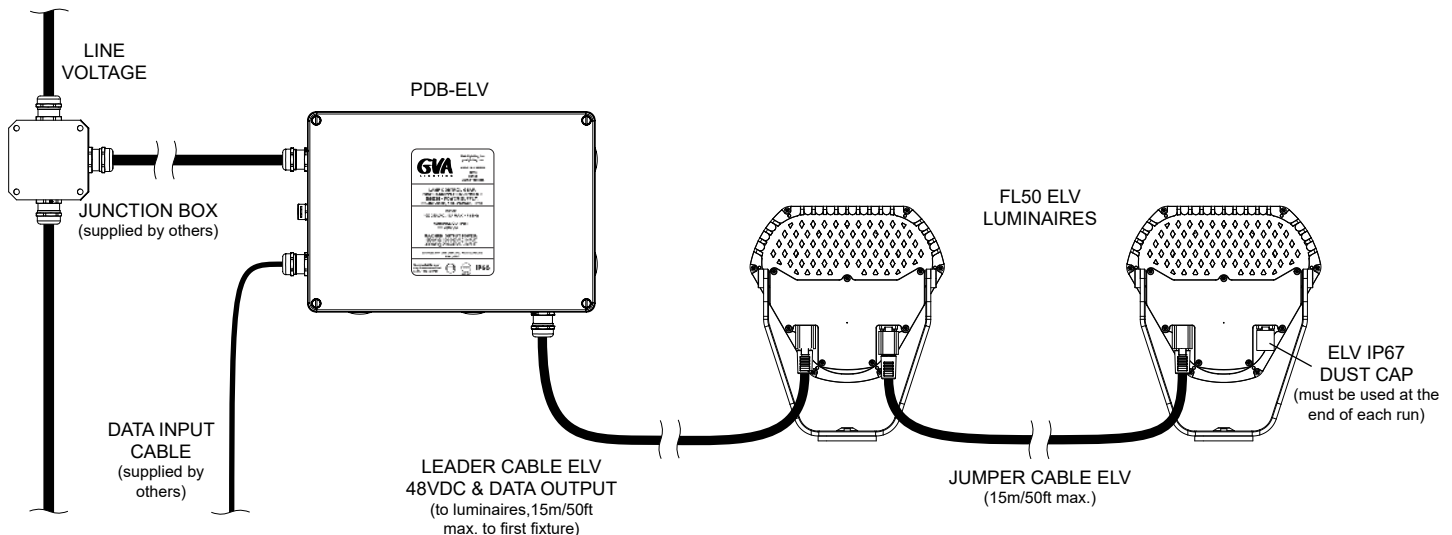
TYPICAL SYSTEM DIAGRAM: INFINITY<sup>®</sup> (WITH CONTROL)

**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.

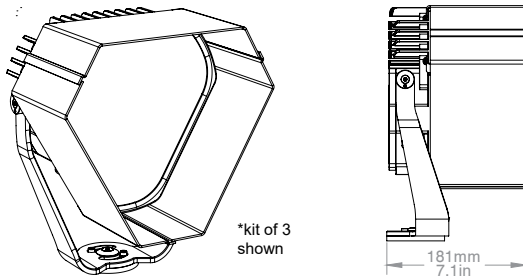


## Monochromatic Architectural Spot and Floodlight

## PRODUCT SPECIFICATION SHEET

## ORDERING LOGIC: ACCESSORIES

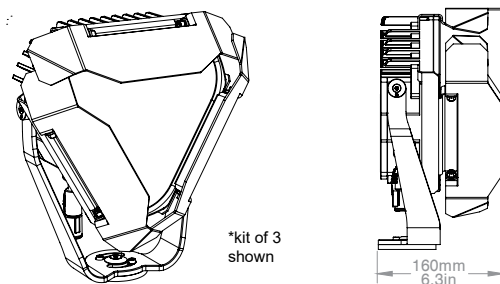
## VISORS



COLOR	KIT OF 1	KIT OF 2	KIT OF 3
Clear Matte Anodized	122228	122231	122234
Black Matte Anodized	122229	122232	122235
Custom Color	122230	122233	122236

\* kit includes mounting hardware

## BARN DOORS

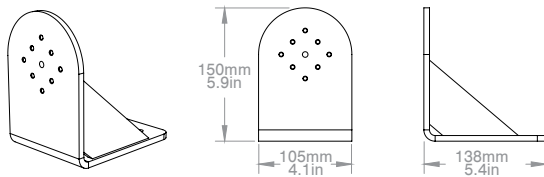


COLOR	KIT OF 1	KIT OF 2	KIT OF 3
Clear Matte Anodized	122237	122240	122243
Black Matte Anodized	122238	122241	122244
Custom Color	122239	122242	122245

\* kit includes mounting hardware

## ORDERING LOGIC: COMMON ACCESSORIES

## 90 DEG ANGLE ADAPTERS

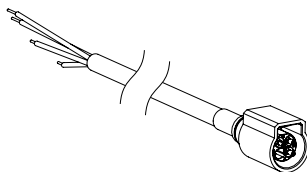


COLOR	PART NUMBERS
Clear Matte Anodized	121718
Black Matte Anodized	121719
Custom Color	121720

\* for use with SM300, SM400, or SM500 brackets

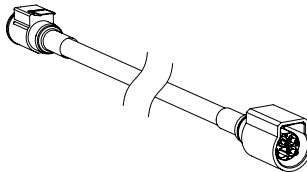
## ORDERING LOGIC: COMMON COMPONENTS

## LEADER CABLES



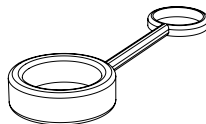
NOMINAL LENGTH	ELV	INF	AC
3m (10ft)	140723	140725	140858
9m (30ft)	140733	140710	140859
15m (50ft)	140724	140726	140860
CUSTOM	140732	140727	140861

## JUMPER CABLES



NOMINAL LENGTH	ELV	INF/AC
0.9m (3ft)	140729	140709
1.8m (6ft)	140730	140734
3.6m (12ft)	140731	140735
CUSTOM	140728	140708

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



ELV	INF/AC
231182	230855