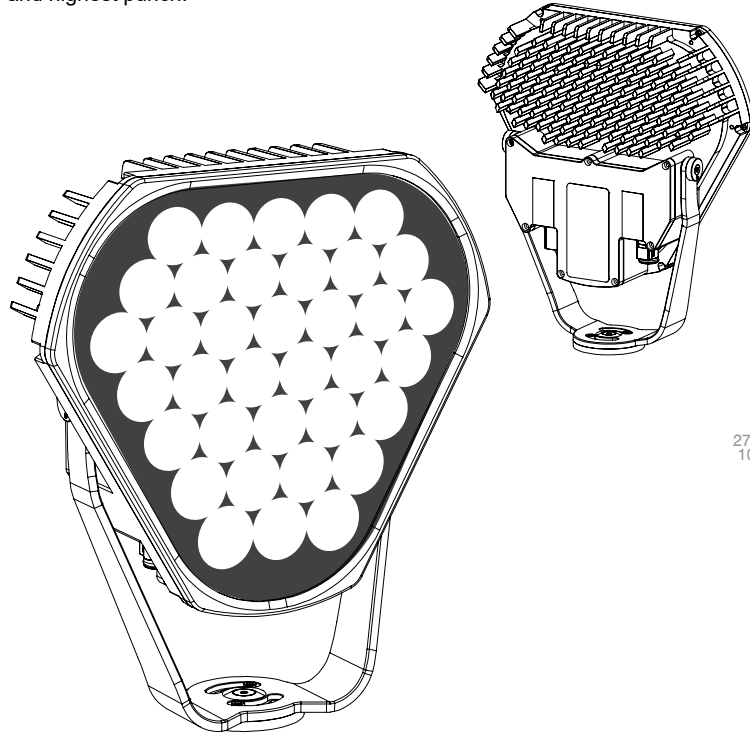


RGBW Outer-Mixing Architectural Spot and Floodlight

PRODUCT SPECIFICATION SHEET

Color mixing outside of the fixture for the best performance, color mixing and highest punch.

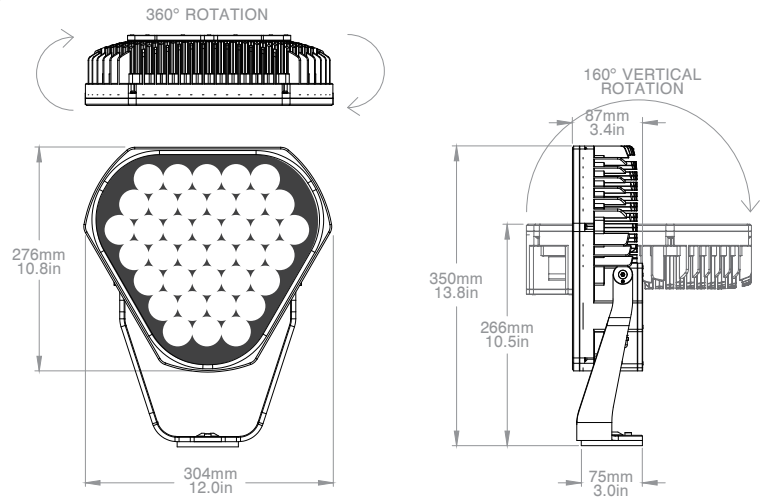


DATE:

TYPE:

COMPANY:

PROJECT:



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

FEATURES:

- Ultra narrow 4° beam angle
- INFINITY® Technology compatible (INF)
- Built-in high temperature power supply (AC)
- Meets ANSI C136.31 3G Vibration standard for bridge and overpass applications, taking into consideration wind and traffic vibrations
- Plug-and-play with STR9® luminaires
- Advanced thermal design with cutting-edge manufacturing process and materials
- Compact size, only 87mm (3.4in) in depth
- Weight of only 5kg (11lbs)
- Highly adjustable with 360° horizontal rotation and 160° vertical rotation

OPTIONS:

- Beam angles ranging from 10° to 90° with elliptical distribution Optical accessories for glare control
- Custom color combinations available from LED selection of FL100 Monochromatic. Ex: RGBA, RRGB...
- Clear matte and black matte standard anodized body colors
- Custom body colors available on demand
- ELV (48VDC), INF (380VDC) and AC (85~264VAC or 85~277VAC) input options
- Range of bracket lengths and mounting options

SPECIFICATION LOGIC: FL100™ OUTER MIXING

FAMILY	BODY COLOR	LED COLOR ²	OPTICS(FWHM)*	VOLTAGE	MOUNTING OPTION
FL100	BM - Black Matte Anodized CM - Clear Matte Anodized CUST - Custom Color ¹	RGBW22K-OM ¹ RGBW27K-OM RGBW30K-OM RGBW35K-OM RGBW40K-OM RGBW50K-OM RGBW65K-OM	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° H 40x10 - 40°x10° V 10x60 - 10°x60° H 60x10 - 60°x10° V 30x55 - 30°x55° H 55x30 - 55°x30° V	ELV - 48VDC INF - 380VDC AC - 85~264VAC AC277 - 85~277VAC	SM120 - Surface Mount 120mm ¹ SM200 - Surface Mount 200mm SM300 - Surface Mount 300mm SM400 - Surface Mount 400mm ¹ SM500 - Surface Mount 500mm ¹ SMXXX - Surface Mount Custom ¹ (specify length) TM200 - Tenon Mount 200mm ¹ PM - Pole Mount ¹

PRODUCT CONFIGURATION

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

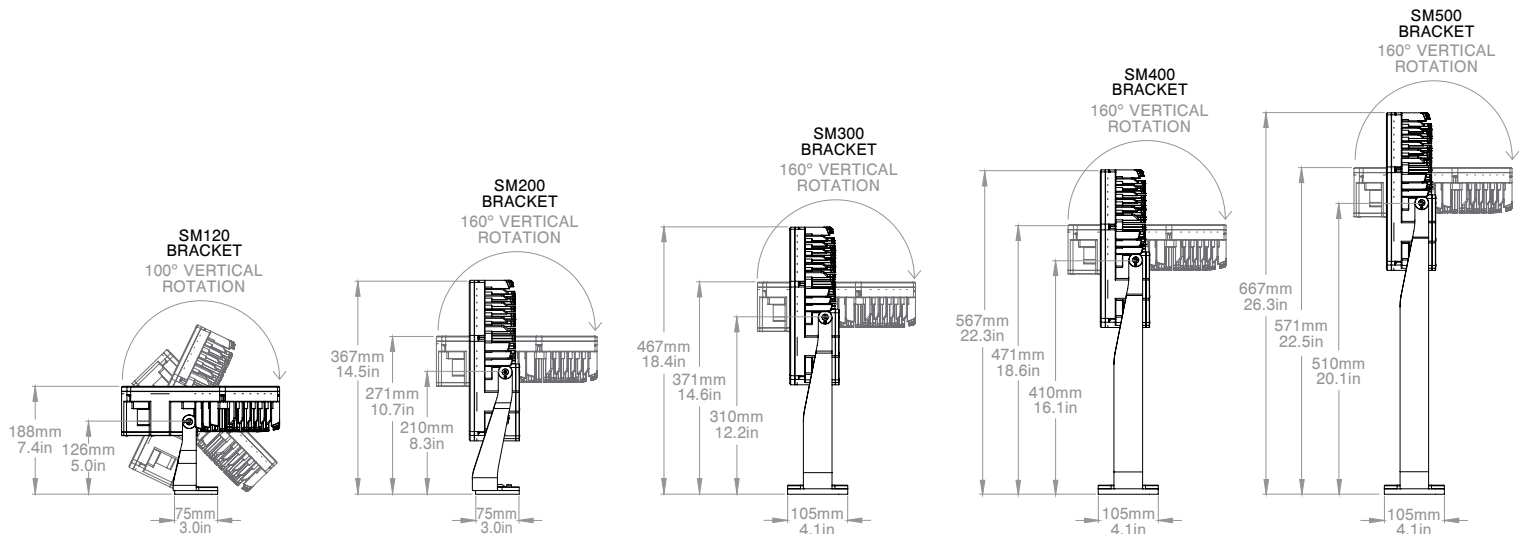
2. Custom color combinations are available from the color selection of FL100 Monochromatic. Contact GVA for more information.

Nominal values are used. Actual measurements may differ slightly.






RGBW Outer-Mixing Architectural Spot and Floodlight

PRODUCT SPECIFICATION SHEET

MOUNTING BRACKET OPTIONS



PRODUCT SPECIFICATIONS: FL100™ RGBW-OM (OUTER MIXING)

ELECTRICAL		Rated Input Voltage		48VDC		380VDC		85-264VAC or 85-277VAC		
		Power Consumption (max.)		100W		100W		100W		
OPTICAL		Light Source		36 x High Power LEDs						
		CRI		80 ¹						
		Output (typical) 4 °	Color	Wave Length (nm)	Luminous Flux (lm)	Peak Intensity (cd)	Luminous Flux (lm)	Peak Intensity (cd)	Luminous Flux (lm)	Peak Intensity (cd)
			Red	620	850	69,250	770	62,330	680	55,400
			Green	525	1,600	135,640	1,440	122,080	1,280	108,510
			Blue	470	680	51,720	610	46,540	540	41,370
			White	4000K ³	2,230	181,050	2,010	162,940	1,790	144,840
			All On	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Output (typical) ² 7°	Red	620	500	36,000	450	32,400	400	28,800
			Green	525	1,100	79,000	990	71,100	880	63,200
			Blue	470	730	36,000	657	32,400	584	28,800
			White	4000K ³	2,600	N/A	2,340	109,800	2,080	97,600
			All On	N/A	3,272	126,599	2,945	113,940	2,650	102,546
		Optics		High optical efficiency PMMA TIR Lens, 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°), 85 (85°x85°), 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) 276 x 304 x 87 mm (10.8 x 12.0 x 3.4 in)								
		Weight 5 kg (11 lbs)								
		Housing Anodized 6061 Aluminum Alloy								
		Fixture Connections IP68 Connectors								
		Rated Operation Temperature -40°C (-40°F) to +50°C (122°F)								
CERTIFICATION & SAFETY		Environment Dry, Damp or Wet Locations, 0-100% humidity								
		Listings RoHS, REACH								
		IEC Classifications Class 1 LED Luminaire								
		   							Constructed to meet requirements outlined in UL1598 & IEC60598 Meets ANSI C136.31 3G Vibration standard for bridge and overpass applications	

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.

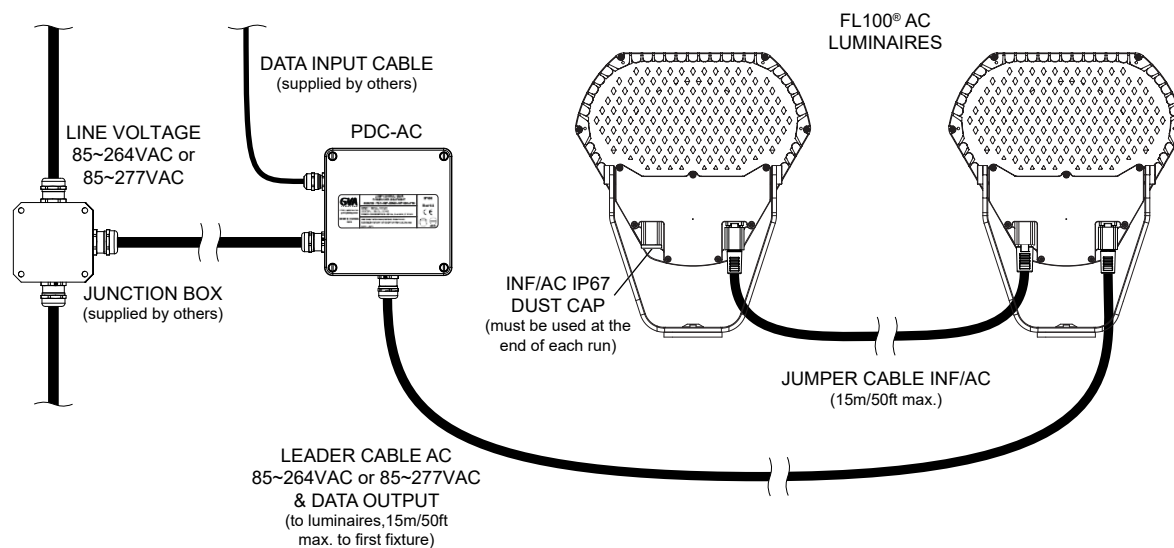
These figures are subject to change due to further development and innovations of LED light sources.

RGBW Outer-Mixing Architectural Spot and Floodlight

PRODUCT SPECIFICATION SHEET

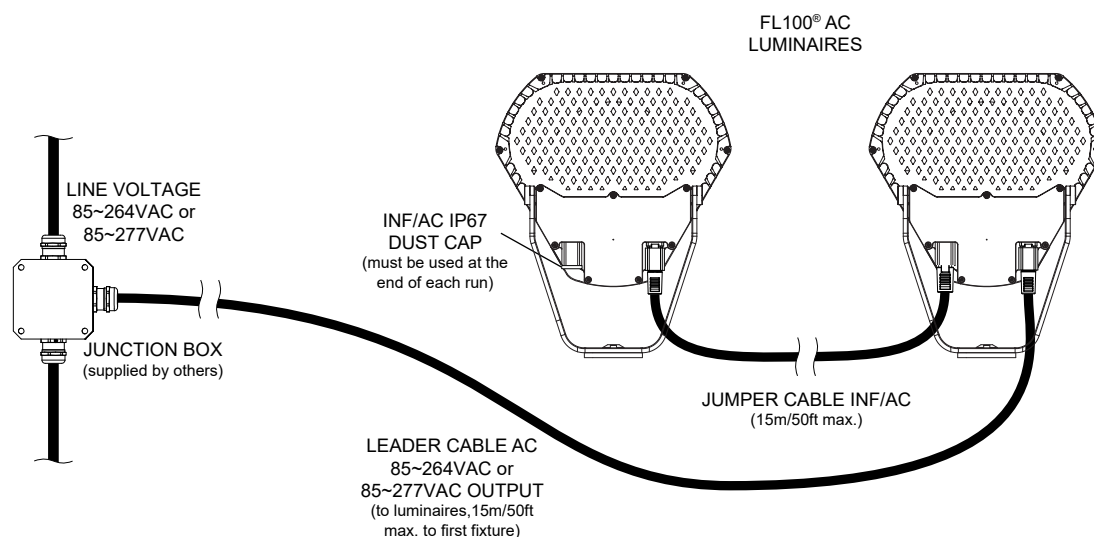
TYPICAL SYSTEM DIAGRAM: AC (WITH CONTROL)

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



TYPICAL SYSTEM DIAGRAM: AC (WITHOUT CONTROL)

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

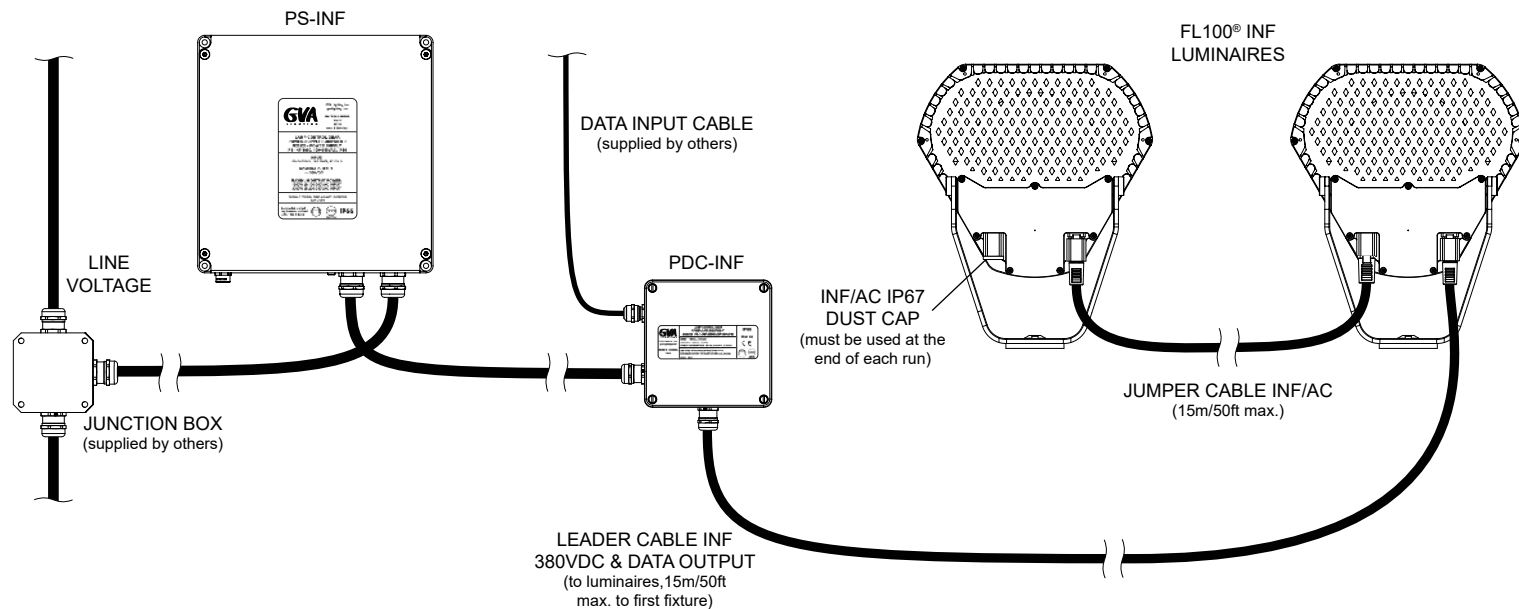


RGBW Outer-Mixing Architectural Spot and Floodlight

PRODUCT SPECIFICATION SHEET

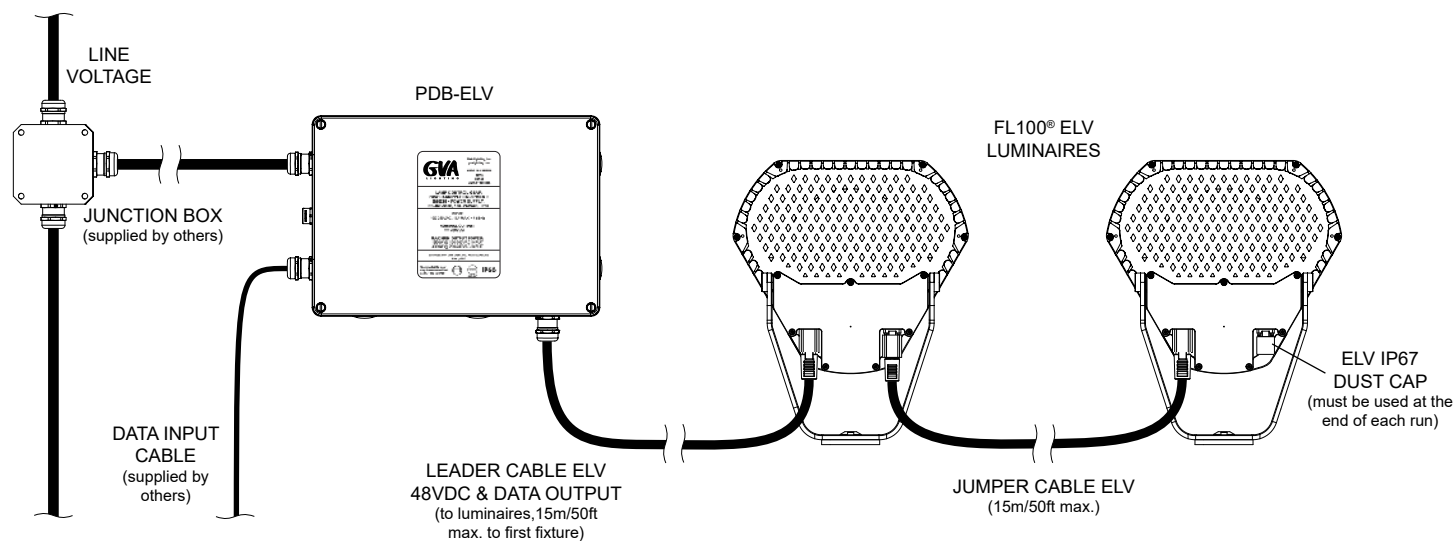
TYPICAL SYSTEM DIAGRAM: INFINITY® (WITH CONTROL)

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.

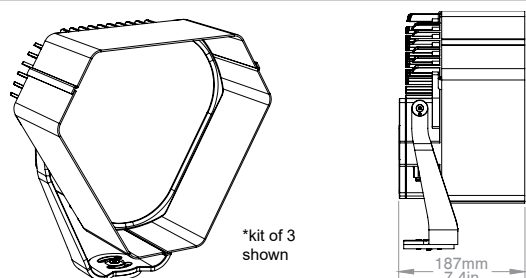


RGBW Outer-Mixing Architectural Spot and Floodlight

PRODUCT SPECIFICATION SHEET

ORDERING LOGIC: ACCESSORIES

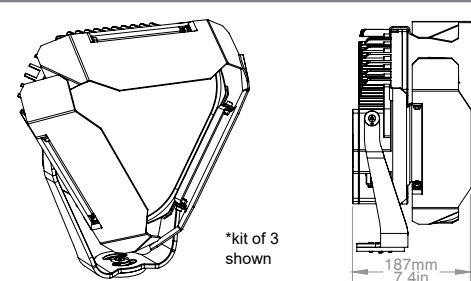
VISORS



COLOR	KIT OF 1	KIT OF 2	KIT OF 3
Clear Matte Anodized	121884	121887	121890
Black Matte Anodized	121885	121888	121891
Custom Color	121886	121889	121892

* kit includes mounting hardware

BARN DOORS

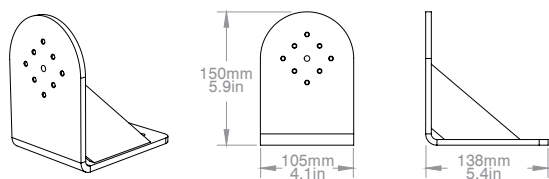


COLOR	KIT OF 1	KIT OF 2	KIT OF 3
Clear Matte Anodized	121893	121896	121899
Black Matte Anodized	121894	121897	121900
Custom Color	121895	121898	121901

* kit includes mounting hardware

ORDERING LOGIC: COMMON ACCESSORIES

90 DEG ANGLE ADAPTERS

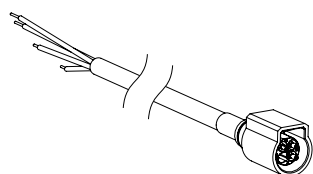


COLOR	PART NUMBERS
Clear Matte Anodized	121718
Black Matte Anodized	121719
Custom Color	121720

* for use with SM300, SM400, or SM500 brackets

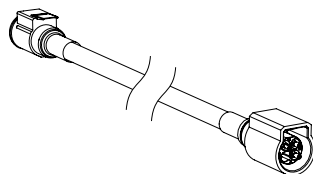
ORDERING LOGIC: COMMON COMPONENTS

LEADER CABLES



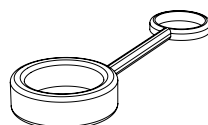
NOMINAL LENGTH	ELV	INF	AC
3m (10ft)	140723	140725	140858
9m (30ft)	140733	140710	140859
15m (50ft)	140724	140726	140860
CUSTOM	140732	140727	140861

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