

RGBW Outer-Mixing Architectural Spot and Floodlight

PRODUCT SPECIFICATION SHEET

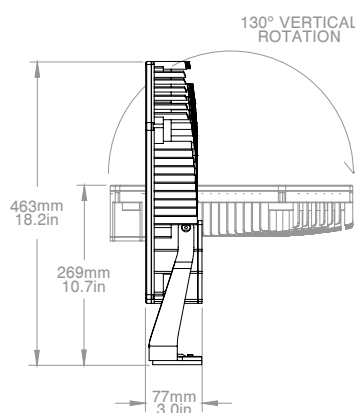
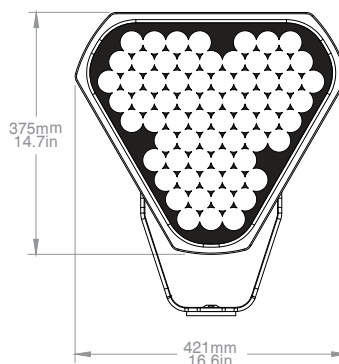
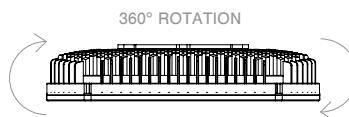
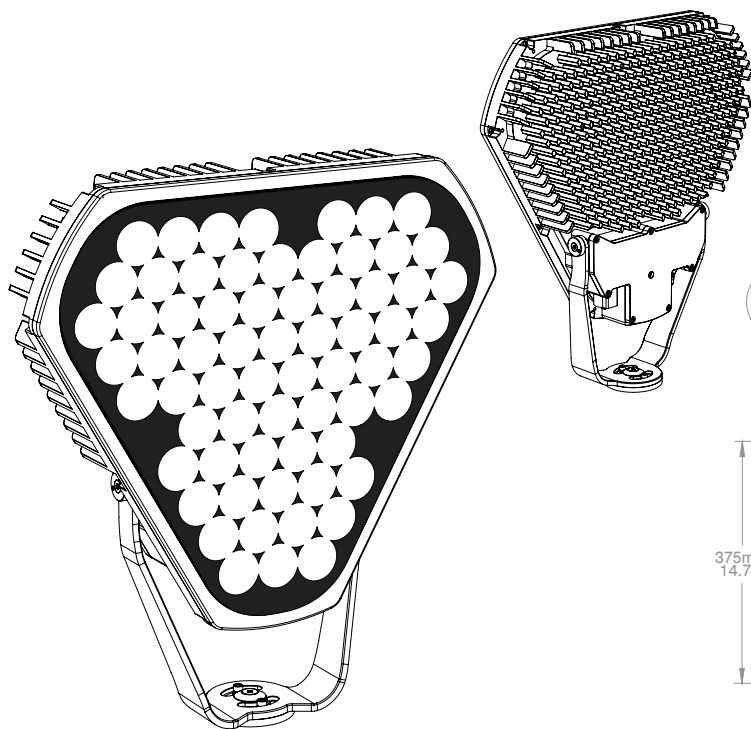
Color mixing outside of the fixture for the best performance, color mixing and highest punch.

DATE:

TYPE:

COMPANY:

PROJECT:



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

FEATURES:

- Ultra narrow 4.5° 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:

- Beam angles ranging from 4° to 85° with elliptical distribution options
- Custom color combinations available from LED selection of FL 200 Monochromatic. Ex: RGBA, RRGB...
- 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 (85~264VAC or 85~277VAC) input options
- Range of bracket lengths and mounting options

SPECIFICATION LOGIC: FL200™ OUTER MIXING

FAMILY	BODY COLOR	LED COLOR ²	OPTICS(FWHM)*	VOLTAGE	MOUNTING OPTION
FL200	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°x60° H 55x30 - 60°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 ¹ 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.

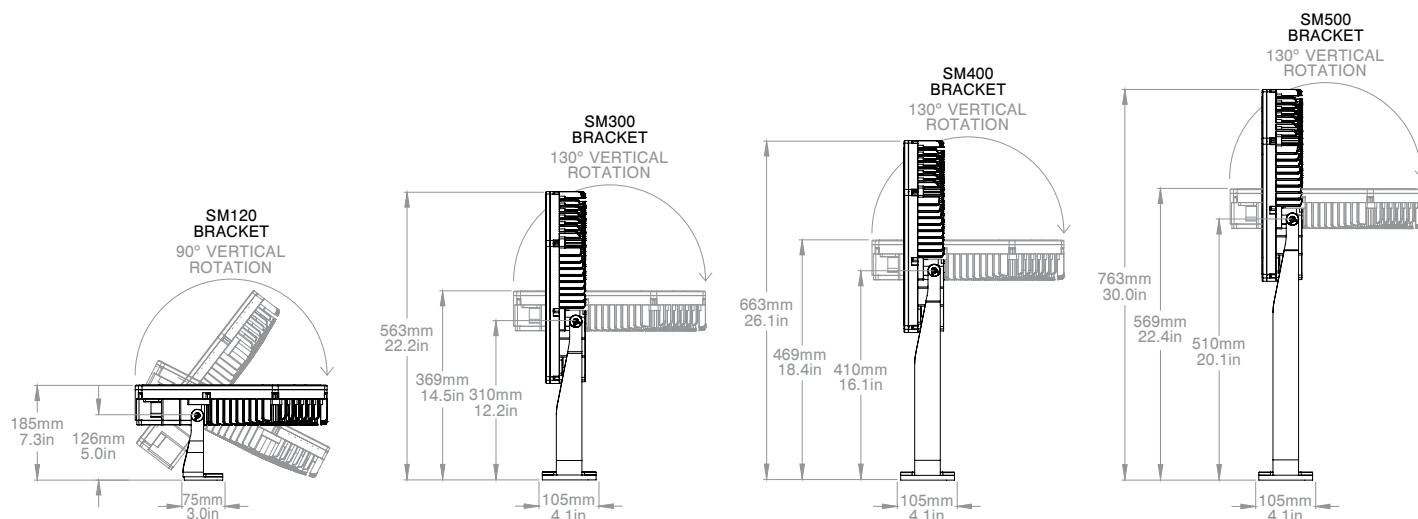
2. Custom color combinations are available from the color selection of FL100 Monochromatic. Contact GVA for more information.

Nominal values are used. Actual measurements may differ slightly.





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FL200™ MOUNTING BRACKET OPTIONS



PRODUCT SPECIFICATIONS: FL200™ RGBW-OM (OUTER MIXING)

ELECTRICAL		Rated Input Voltage		48VDC		380VDC		85~264VAC			
		Power Consumption (max.)		220W		220W		220W			
OPTICAL		Light Source		69 x High Power LEDs							
		CRI		80 ¹							
		Output (typical)	Color	Wave Length (nm)	Luminous Flux (lm)	Peak Intensity (cd)	Luminous Flux (lm)	Peak Intensity (cd)	Luminous Flux (lm)	Peak Intensity (cd)	
			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	
			White	4000K ³	N/A	N/A	N/A	N/A	N/A	N/A	
		4 °	All On	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			Output (typical) ²	Red	620	1480	44,800	1300	39,400	1200	36,000
				Green	525	2420	70,000	2180	62,800	1950	56,000
				Blue	470	1060	28,900	950	25,900	850	23,000
				White	4000K ³	4509	103,000	4000	92,700	3650	83,500
		All On		N/A							
		7°									
		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)		463 x 415 x 86 mm (18.2 x 16.3 x 3.38 in)							
		Weight		8.5 kg (18.73 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									

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.

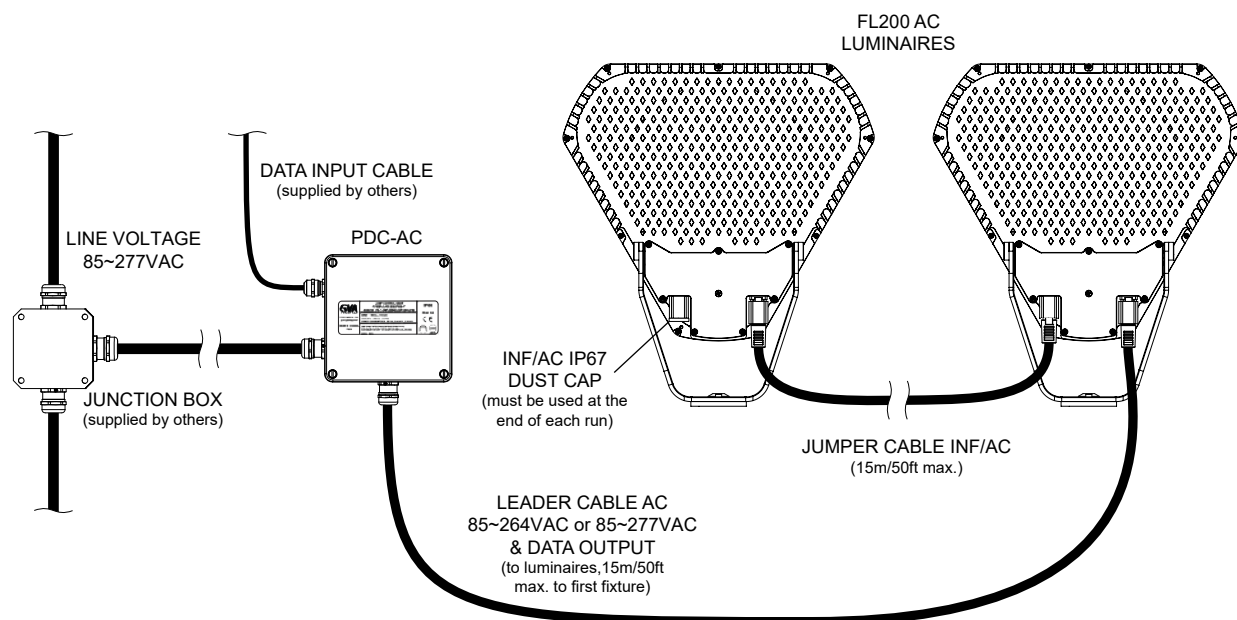
These figures are subject to change due to further development and innovations of LED light sources.

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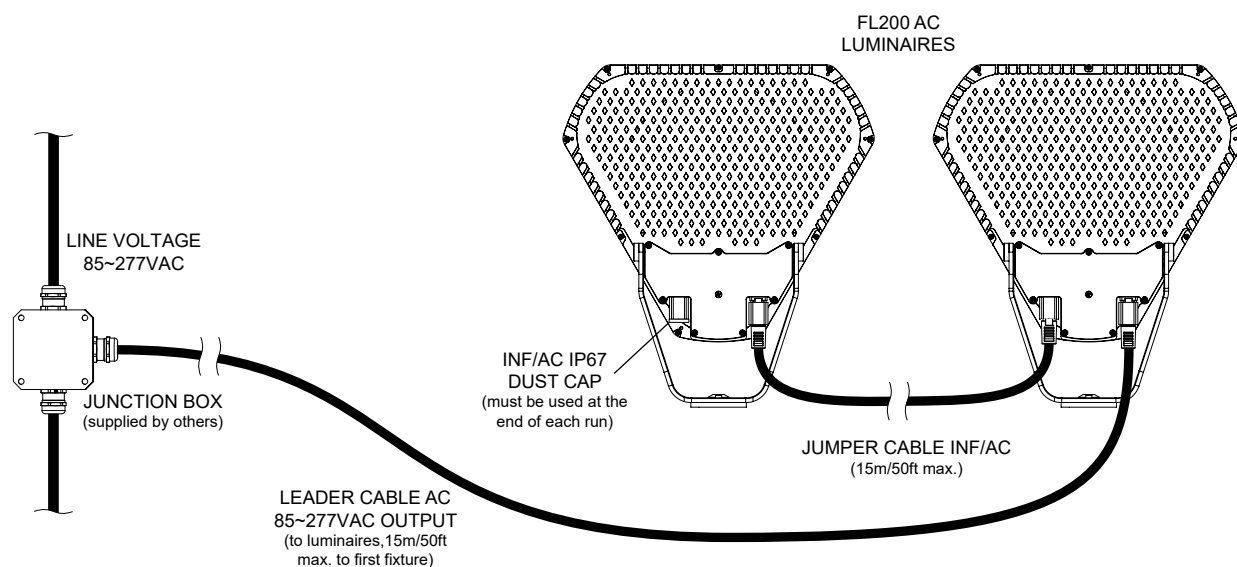
TYPICAL SYSTEM DIAGRAM: AC (WITH CONTROL)

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.

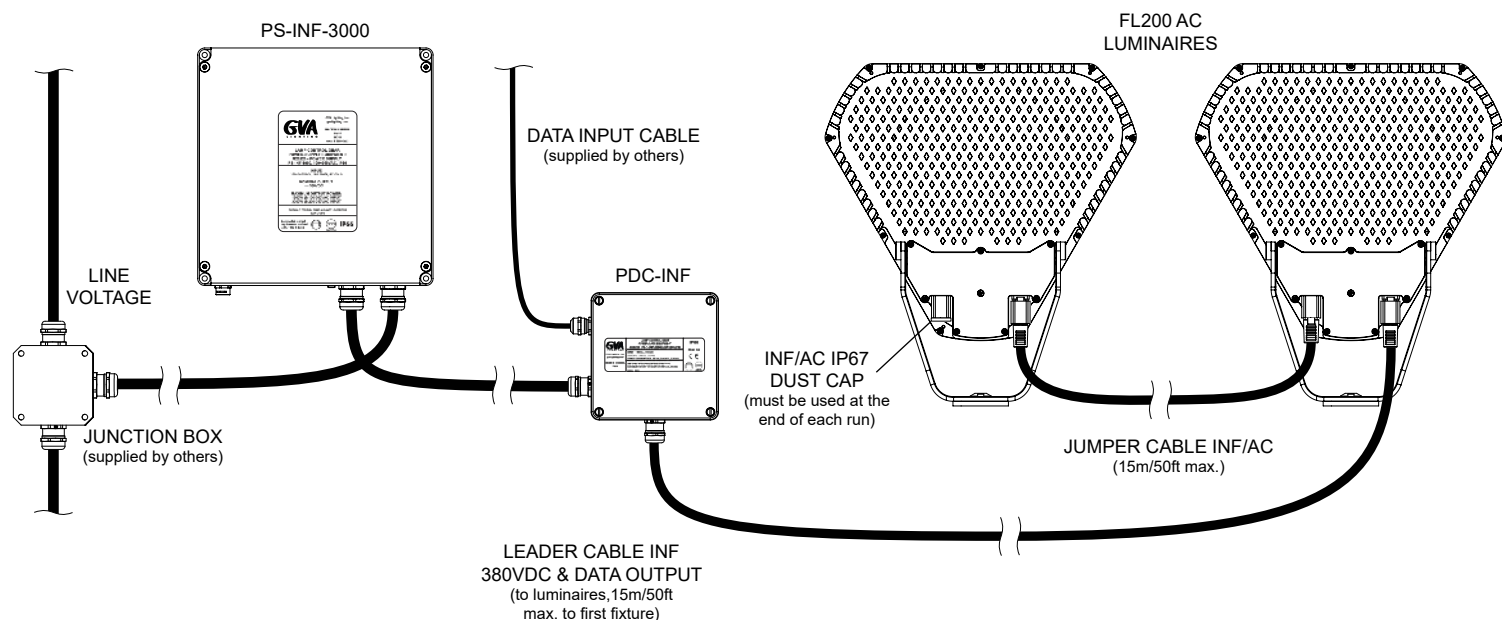


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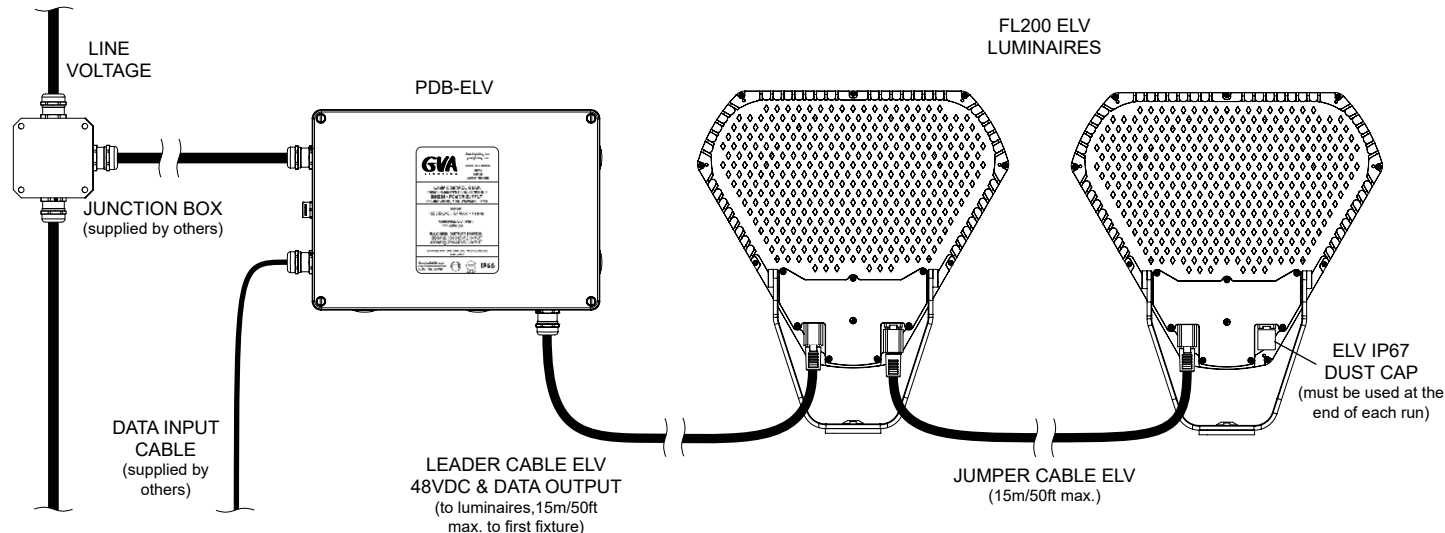
TYPICAL SYSTEM DIAGRAM: INFINITY® (WITH CONTROL)

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.

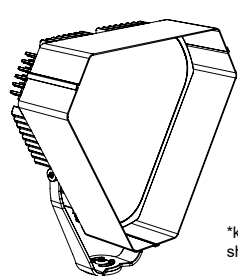


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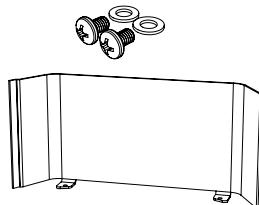
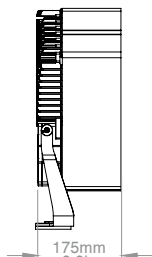
PRODUCT SPECIFICATION SHEET

ORDERING LOGIC: ACCESSORIES

VISORS



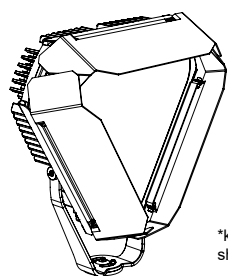
*kit of 3 shown



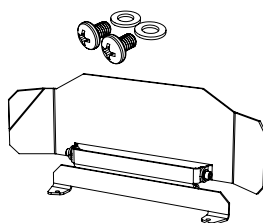
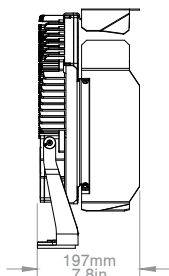
COLOR	KIT OF 1	KIT OF 2	KIT OF 3
Clear Matte Anodized	122526	122529	122532
Black Matte Anodized	122527	122530	122533
Custom Color	122528	122531	122534

* kit includes mounting hardware

BARN DOORS



*kit of 3 shown

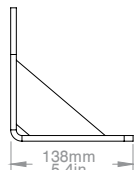
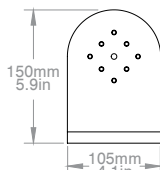
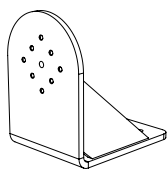


COLOR	KIT OF 1	KIT OF 2	KIT OF 3
Clear Matte Anodized	122535	122538	122541
Black Matte Anodized	122536	122539	122542
Custom Color	122537	122540	122543

* kit includes mounting hardware

ORDERING LOGIC: COMMON ACCESSORIES

90 DEG ANGLE ADAPTERS

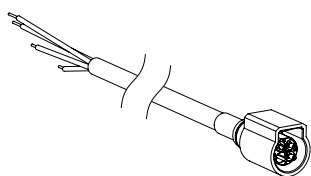


COLOR	PART NUMBERS
Clear Matte Anodized	121718
Black Matte Anodized	121719
Custom Color	121720

* for use with SM300, SM400, or SM500 brackets

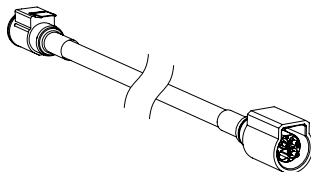
ORDERING LOGIC: COMMON COMPONENTS

LEADER CABLES



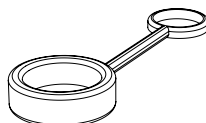
NOMINAL LENGTH	ELV	INF	AC
3m (10ft)	140723	140725	140858
9m (30ft)	140733	140710	140859
15m (50ft)	140724	140726	140860
CUSTOM	140732	140727	140861

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