

RGBW Inner-Mixing Architectural Spot and Floodlight

PRODUCT SPECIFICATION SHEET

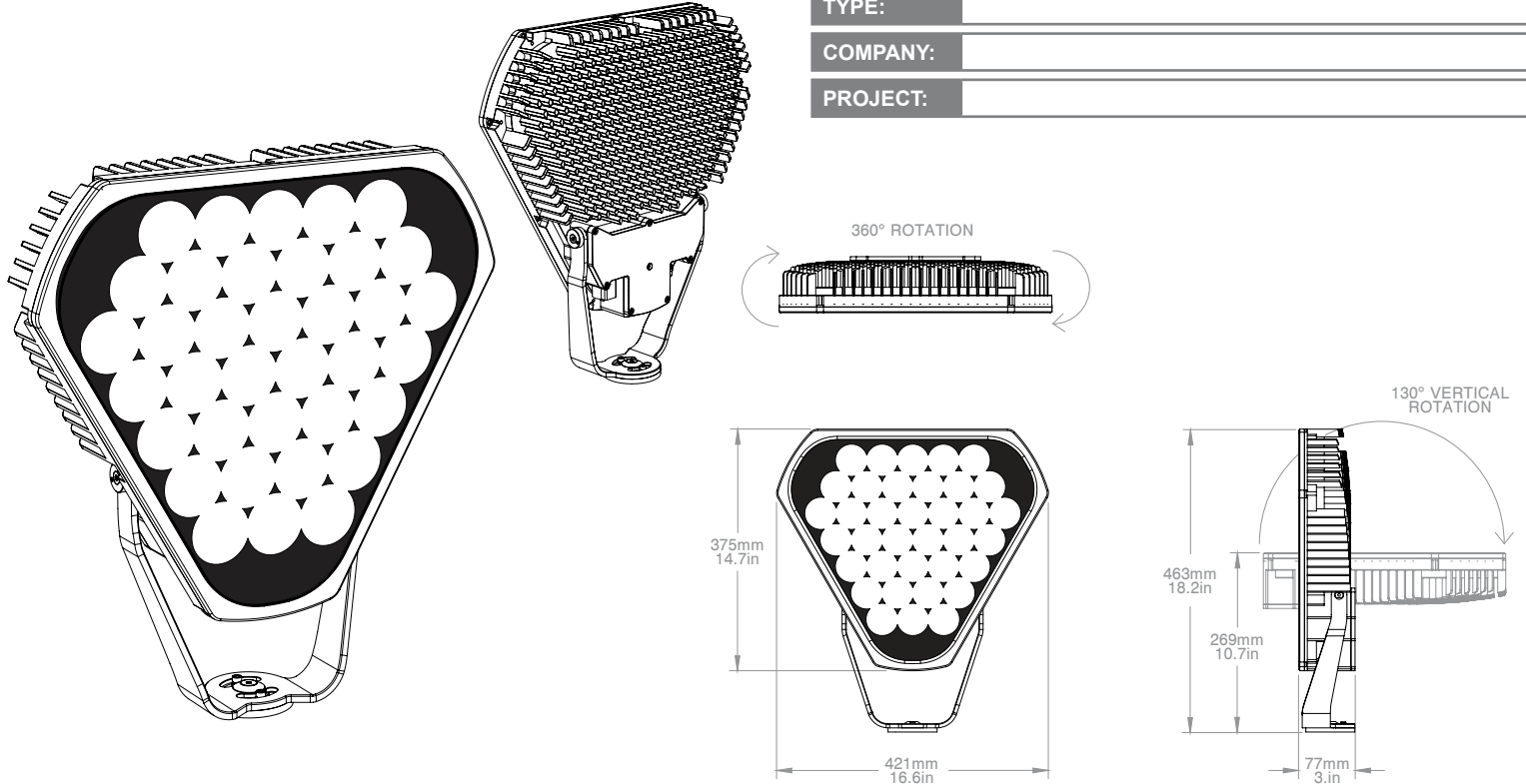
Color mixing in a single optic for wall washing/grazing applications and color compatibility with STR9® RGBW fixtures.

DATE:

TYPE:

COMPANY:

PROJECT:



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

FEATURES:

- 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
- COLOR-AMP® technology allows up to three times higher light output in specific colors
- INFINITY® Technology compatible (INF)
- Color matched with our STR9® RGBW linear luminaires
- Built-in high temperature power supply (AC)
- Plug-and-play with STR9® luminaires

OPTIONS:

- Beam angles ranging from 10° to 90° with elliptical distribution 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™ RGBW INNER MIXING

FAMILY	BODY COLOR	LED COLORS²	OPTICS (FWHM)*	VOLTAGE	MOUNTING
FL200	BM - Black Matte Anodized CM - Clear Matte Anodized CUST - Custom Color¹	RGBW65K-IM	10 - 10°x10° 20 - 20°x20° 40 - 40°x40° 60 - 60°x60° 80 - 80°x80° 90 - 90°x90° 10x40 - 10°x40° H 40x10 - 40°x10° V 10x60 - 10°x60° H 60x10 - 60°x10° V 30x60 - 30°x60° H 60x30 - 60°x30° V	ELV - 48VDC INF - 380VDC AC - 85~264VAC AC277 - 85~277VAC	SM120 - Surface Mount 120mm¹ SM200 - Surface Mount 200mm SM300 - Surface Mount 300mm¹ SM400 - Surface Mount 400mm¹ SM500 - Surface Mount 500mm¹ SMXXX - Surface Mount Custom¹ (specify length) TM200 - Tenon Mount 200mm¹ PM - Pole Mount¹

PRODUCT CONFIGURATION

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

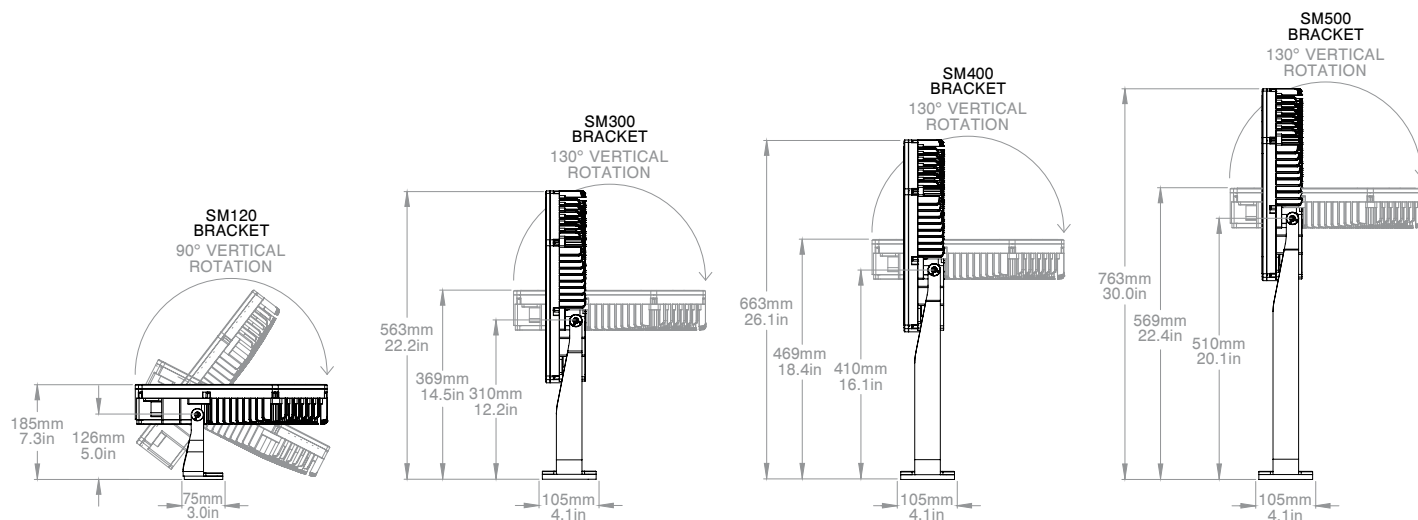
2. Custom color combinations are available from the color selection of FL100 Monochromatic. Contact GVA for more information.

Nominal values are used. Actual measurements may differ slightly.







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FL200™ MOUNTING BRACKET OPTIONS



PRODUCT SPECIFICATIONS: FL200™ RGBW-IM (INNER MIXING)

ELECTRICAL	Rated Input Voltage		48VDC		380VDC		85~264VAC		
	Power Consumption (max.)		220W		220W		220W		
OPTICAL	Light Source		36 x High Power 4 in 1 LEDs						
	CRI		70						
	COLOR-AMP 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	617	2,340	55,980	2,080	50,380	1,820	44,780
	10°	Green	520	5,694	93,280	5,062	83,950	4,430	74,622
		Blue	453	1,664	24,570	1,480	22,110	1,296	19,653
		White	6700K	9,846	166,820	8,752	150,140	7,658	133,456
	Optics		High optical efficiency PMMA TIR Lens, Micro Lense Film, Tempered Glass Cover Lens						
	Beam Angle (FWHM)		10 (10°x10°), 20 (20°x20°), 40 (40°x40°), 60 (60°x60°), 80 (80°x80°), 90 (90°x90°), 10x40 (10°x40°), 40x10 (40°x10°), 10x60 (10°x60°), 60x10 (60°x10°), 30x60 (30°x60°), 60x30 (60°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						
			<div><div></div><div></div><div></div><div></div><div></div><div></div></div>						
		<div><div>40° X 10° VERTICAL</div><div>10° X 40° HORIZONTAL</div></div>							
		Constructed to meet requirements outlined in UL1598 & IEC60598							

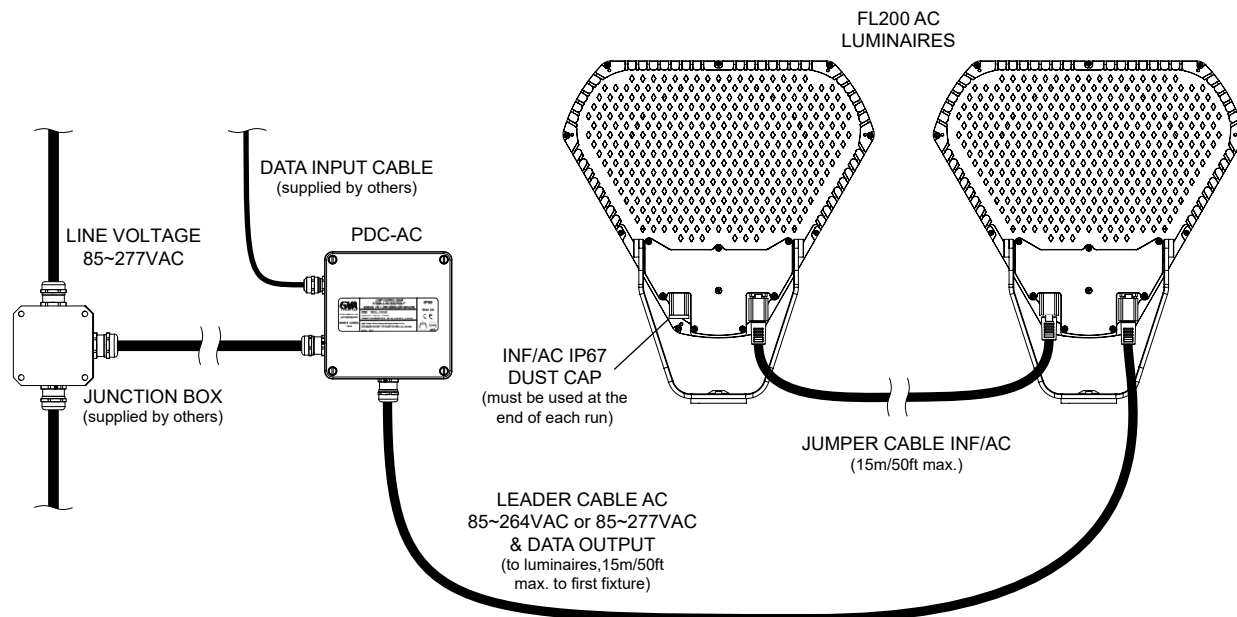
These figures are subject to change due to further development and innovations of LED light sources.

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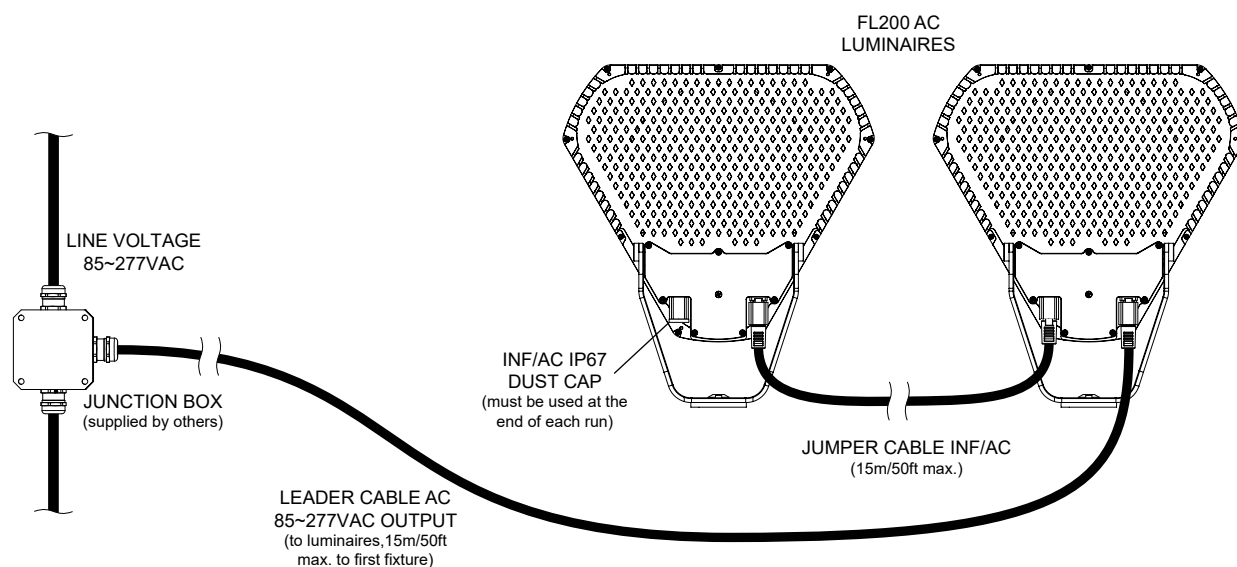
TYPICAL SYSTEM DIAGRAM: AC (WITH CONTROL)

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.

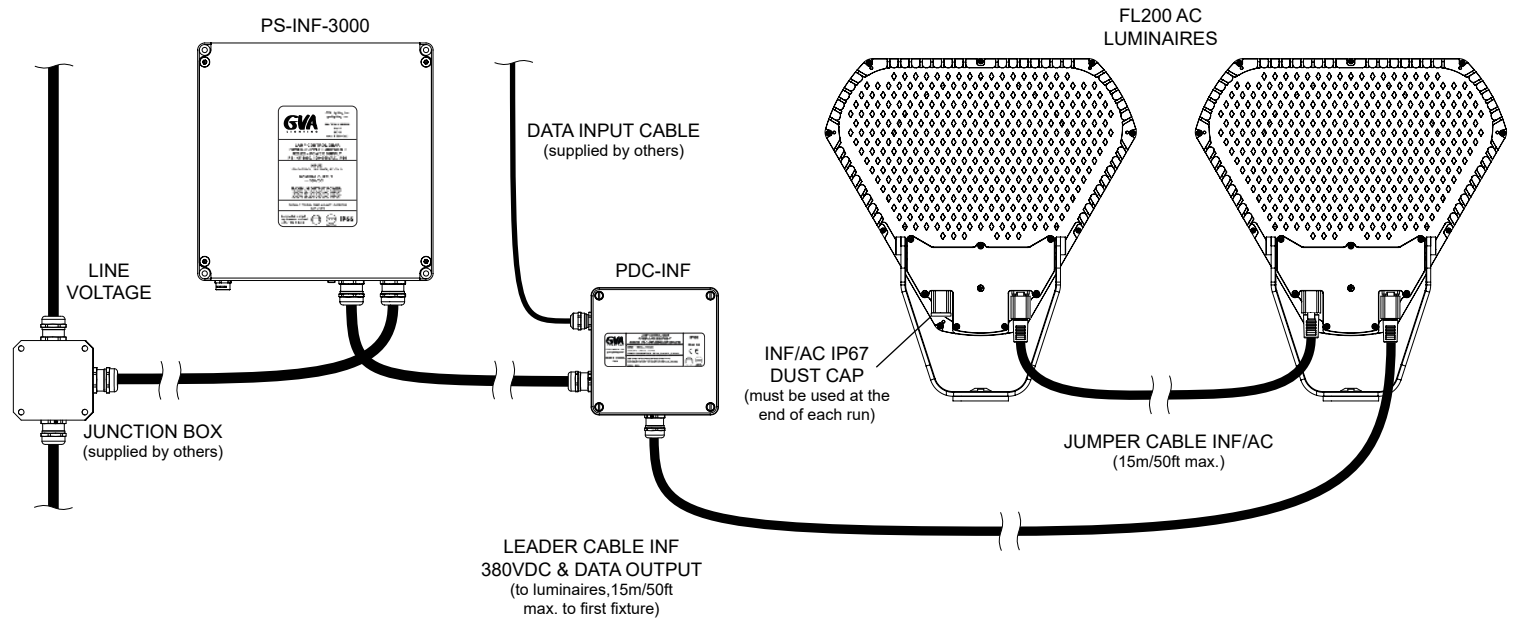


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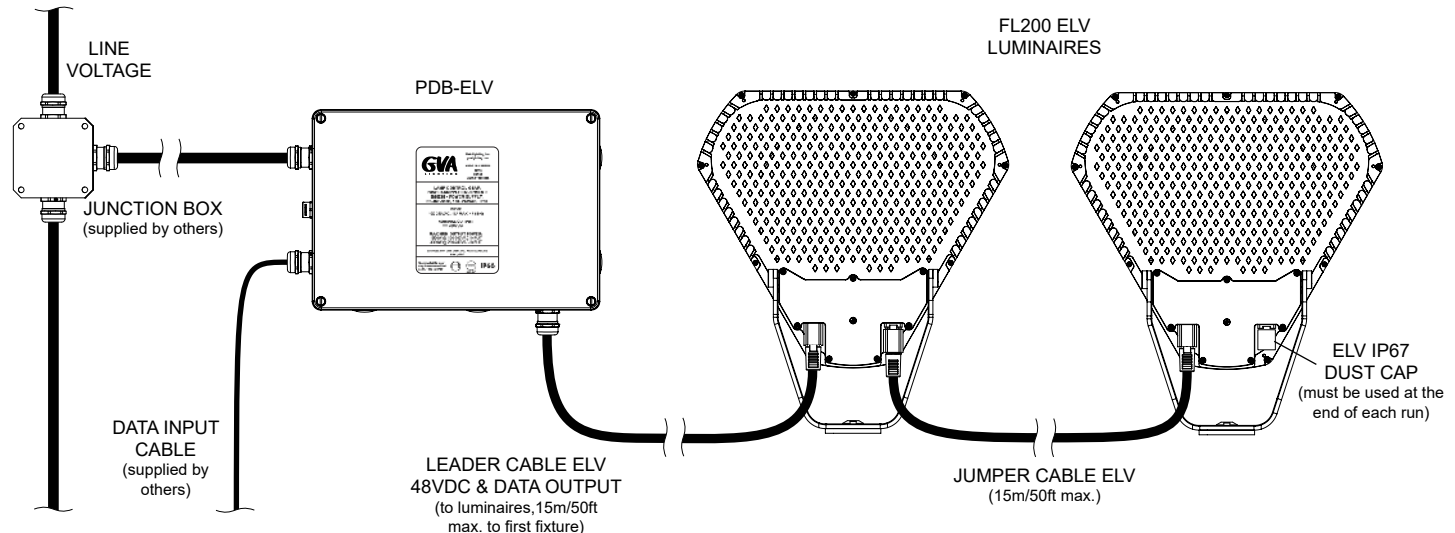
TYPICAL SYSTEM DIAGRAM: INFINITY® (WITH CONTROL)

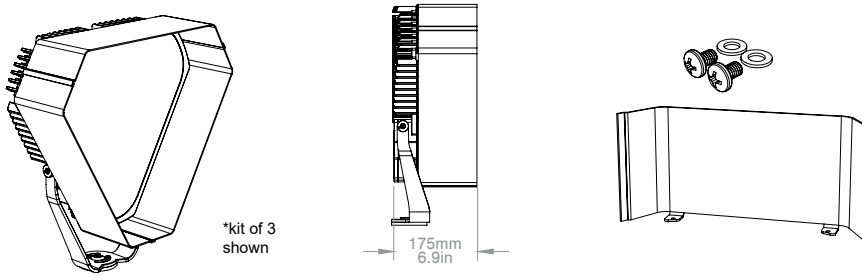
NOTE: Length of leader cables and jumper cables directly affects the maximum number of fixtures in a single run.



TYPICAL SYSTEM DIAGRAM: ELV (WITH CONTROL)

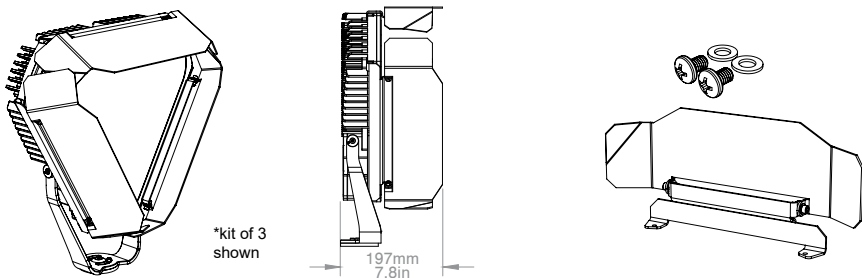
NOTE: Length of leader cables and jumper cables directly affects the maximum number of fixtures in a single run.



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PRODUCT SPECIFICATION SHEET
ORDERING LOGIC: ACCESSORIES
VISORS


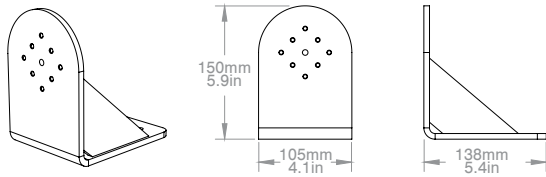
COLOR	KIT OF 1	KIT OF 2	KIT OF 3
Clear Matte Anodized	122526	122529	122532
Black Matte Anodized	122527	122530	122533
Custom Color	122528	122531	122534

* kit includes mounting hardware

BARN DOORS


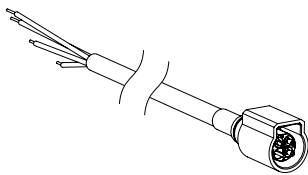
COLOR	KIT OF 1	KIT OF 2	KIT OF 3
Clear Matte Anodized	122535	122538	122541
Black Matte Anodized	122536	122539	122542
Custom Color	122537	122540	122543

* kit includes mounting hardware

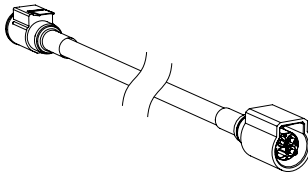
ORDERING LOGIC: COMMON ACCESSORIES
90 DEG ANGLE ADAPTERS


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

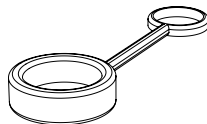
* for use with SM300, SM400, or SM500 brackets

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