

## RGBW Outer-Mixing Architectural Spot and Floodlight

## PRODUCT SPECIFICATION SHEET

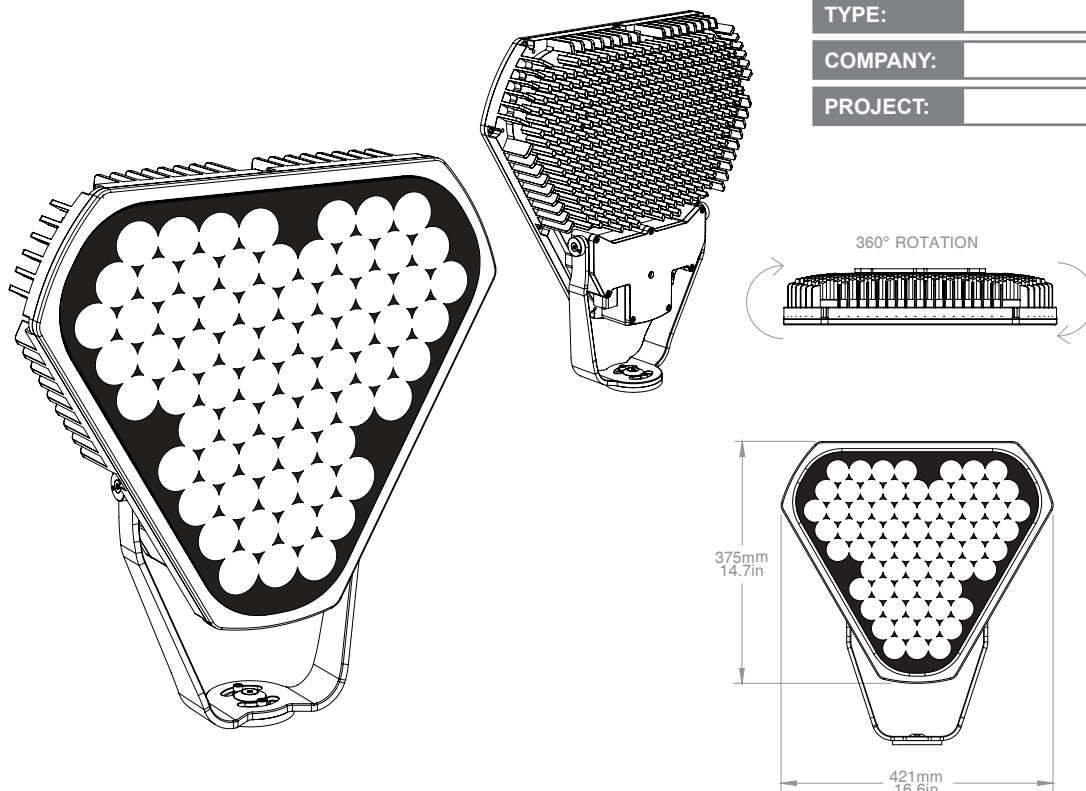
Color mixing outside of the fixture for the best performance, color mixing and highest punch.

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 4.5° to 75° with elliptical distribution options
- Custom color combinations available from LED selection of FL 200 Monochromatic. Ex: RGBA, RRGB...
- 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™ OUTER MIXING

FAMILY	BODY COLOR	LED COLOR	OPTICS(FWHM)*	VOLTAGE	MOUNTING OPTION
FL200	BM - Black Matte Anodized CM - Clear Matte Anodized	RGBW22K-OM <sup>3</sup> 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° 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 <sup>2</sup>	SM120 - Surface Mount 120mm <sup>1</sup> SM200 - Surface Mount 200mm SM300 - Surface Mount 300mm <sup>1</sup> SM400 - Surface Mount 400mm <sup>1</sup> SM500 - Surface Mount 500mm <sup>1</sup> SMXXX - Surface Mount Custom <sup>1</sup> (specify length) SF - Slip Fit 2in <sup>1</sup> PM - Pole Mount <sup>1</sup>

## PRODUCT CONFIGURATION

1 - Non standard option and might require longer leadtime than usual.

2 - 277VAC version in development.

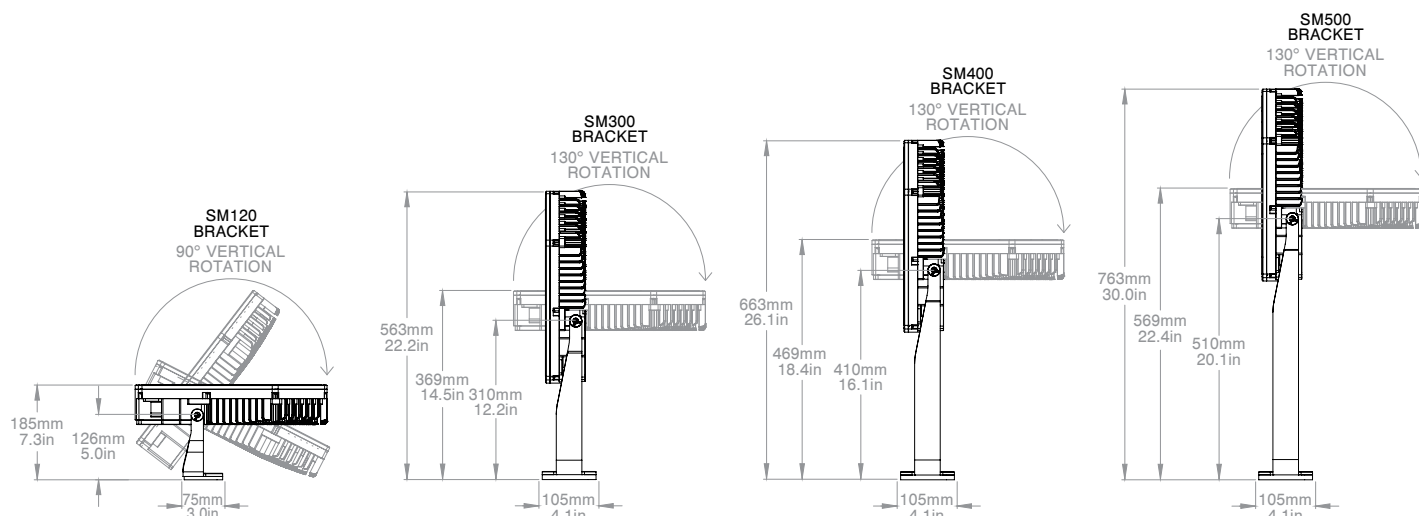
3 - Custom color combination are available from the color selection of FL200 MONOCHROMATIC. Contact GVA for more information.

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


## RGBW Outer-Mixing Architectural Spot and Floodlight

## PRODUCT SPECIFICATION SHEET

## 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 <sup>1</sup>						
			Output (typical) <sup>4</sup>	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 22K-65K <sup>3</sup>	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			Output (typical) <sup>2</sup> 7°+	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 22K-65K <sup>3</sup>	N/A	4509		103,000	4000	92,700	3650	83,500			
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°), 15 (15°x15°), 20 (20°x20°), 30 (30°x30°), 55 (55°x55°), 75 (75°x75°), 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)		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								
Listings			RoHS								
IEC Classifications			Class 1 LED Luminaire								
CERTIFICATION & SAFETY			 <b>RoHS Compliant</b>					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 - 4000K measured values. Lower CCT might have 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.

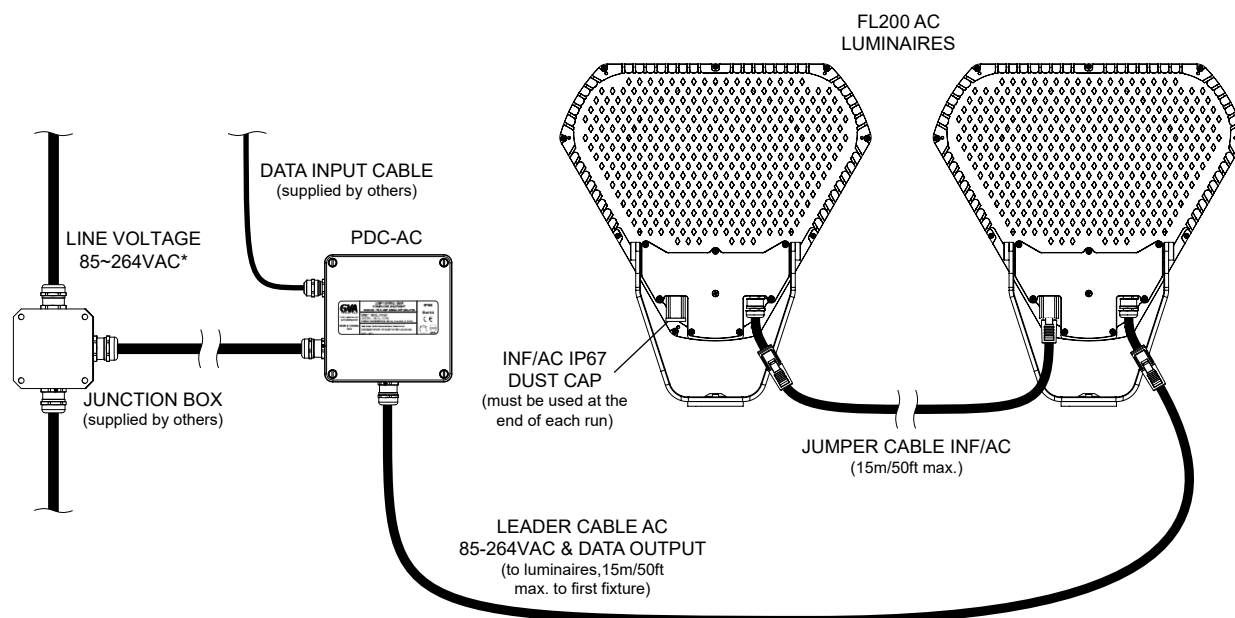
## RGBW Outer-Mixing Architectural Spot and Floodlight

## 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.

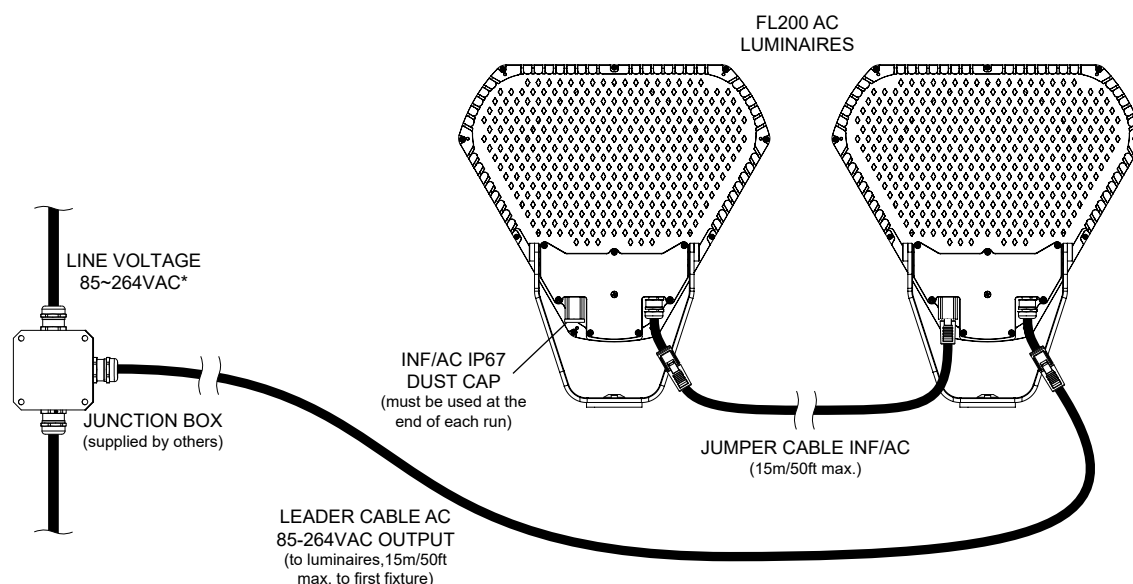
\* 277VAC version in development, consult factory for details



### 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

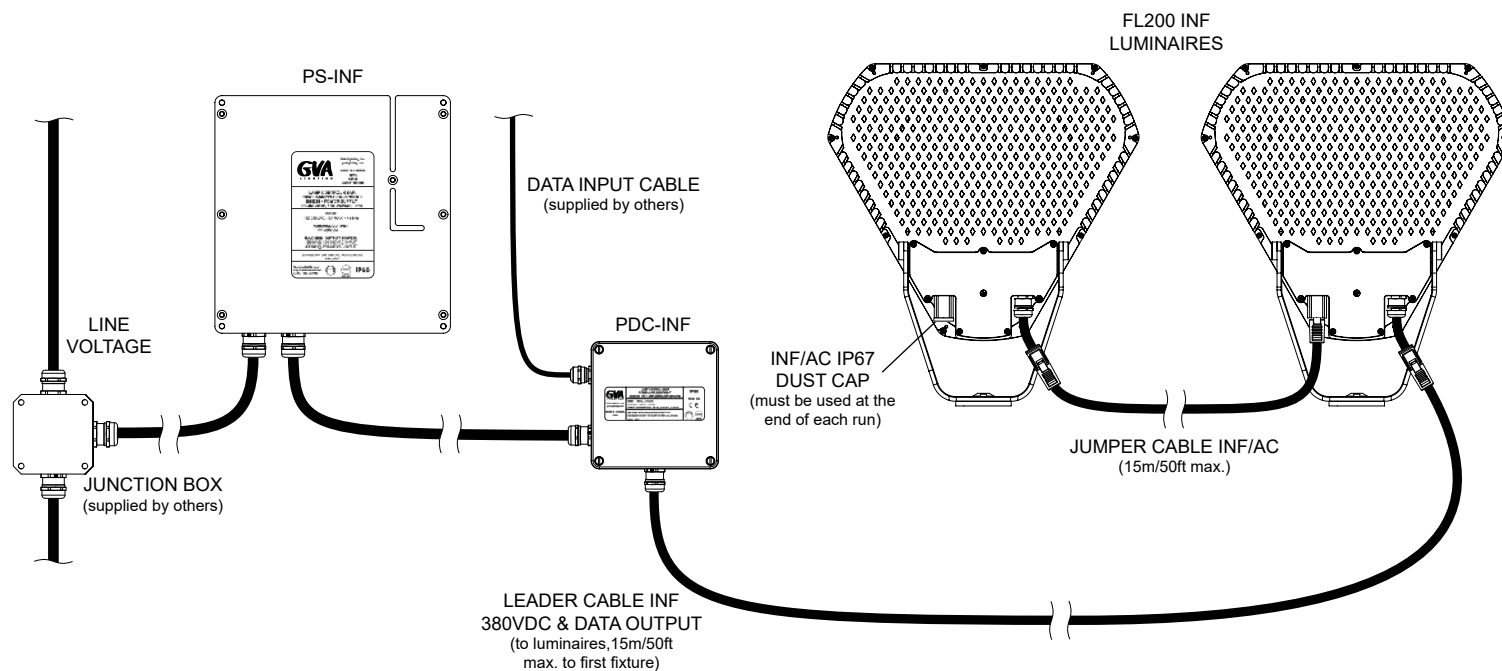


## RGBW Outer-Mixing Architectural Spot and Floodlight

## PRODUCT SPECIFICATION SHEET

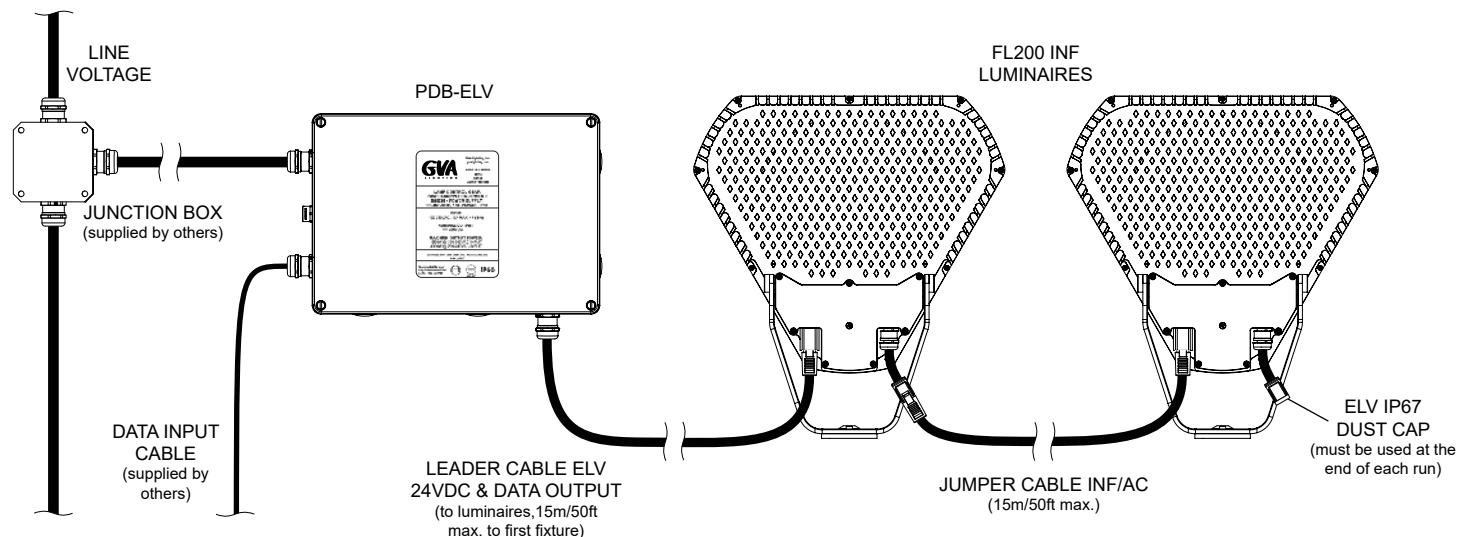
### TYPICAL SYSTEM DIAGRAM: INFINITY® (WITH CONTROL)

**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.

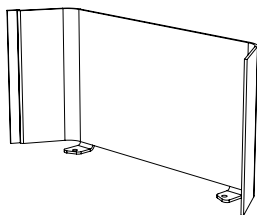


## RGBW Outer-Mixing Architectural Spot and Floodlight

## PRODUCT SPECIFICATION SHEET

## ORDERING LOGIC: ACCESSORIES

## VISORS



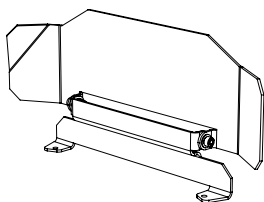
## COLOR

Clear Matte Anodized  
Black Matte Anodized  
Custom Anodized

## PART NUMBER

\* Individual items, for a full set, order quantity of 3

## BARN DOORS



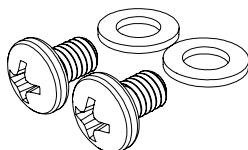
## COLOR

Clear Matte Anodized  
Black Matte Anodized  
Custom Anodized

## PART NUMBER

\* Individual items, for a full set, order quantity of 3

## SCREW SETS



## COLOR

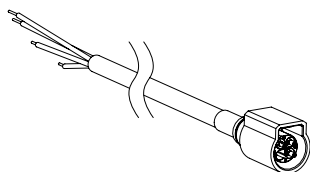
## PART NUMBER

121571

\*Order 1 per every single visor or barn door 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

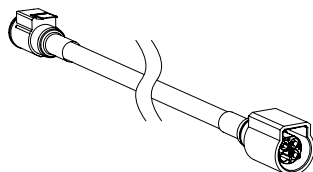
15m (50ft)

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

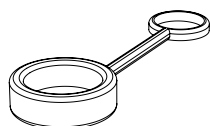
3.6m (12ft)

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