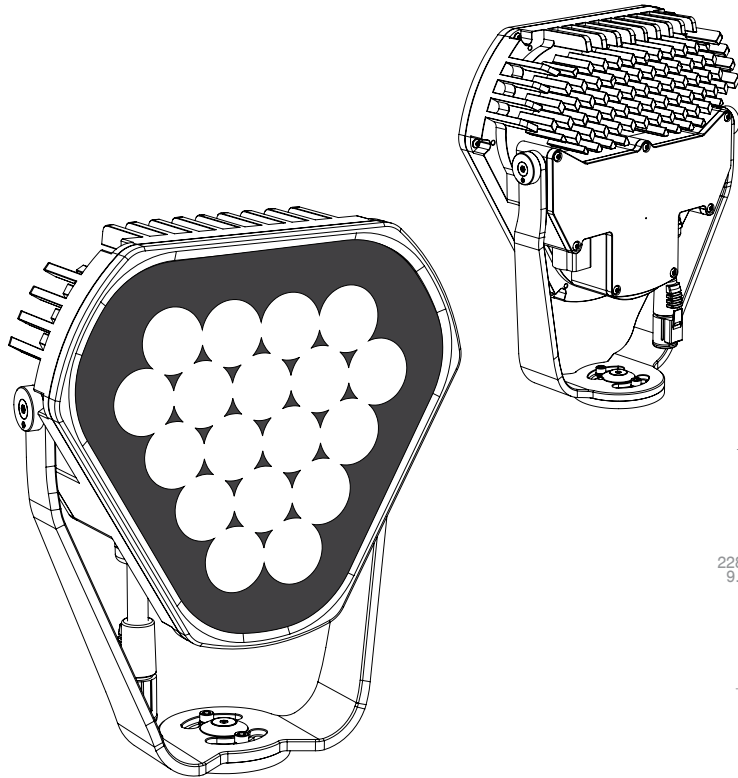


## Monochromatic Architectural Spot and Floodlight

## PRODUCT SPECIFICATION SHEET

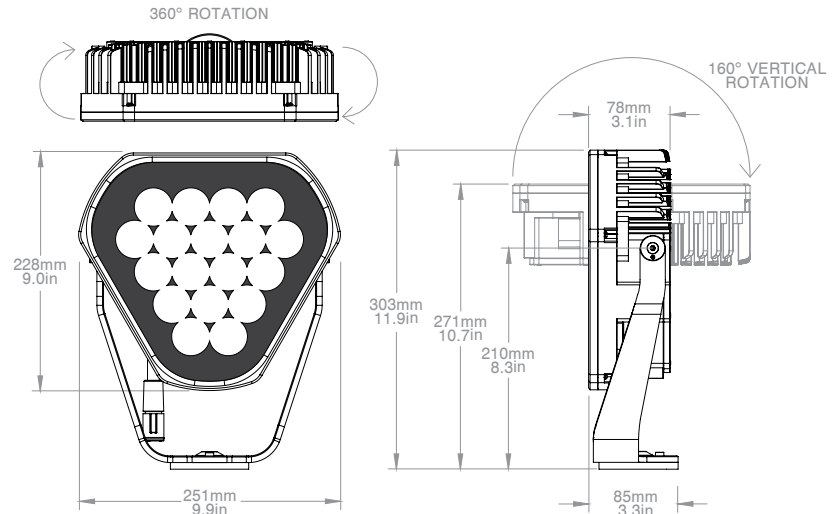


DATE:

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<sup>®</sup> Technology compatible (INF)
- Built-in high temperature power supply (AC)
- Plug-and-play with STR9<sup>®</sup> 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 75° with elliptical distribution options
- Optical accessories for glare control
- Black matte and clear matte anodized colors
- ELV (48VDC), INF (380VDC) and AC (85-264VAC) input options

## SPECIFICATION LOGIC: FL50 MONOCHROMATIC

FAMILY	BODY COLOR	LED COLOR	OPTICS(FWHM)*	VOLTAGE	MOUNTING OPTION
FL50	BM - Black Matte Anodized CM - Clear Matte Anodized	2200K <sup>1</sup>	4 - 4.5°x4.5°	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>
		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	10x40 - 10°x40° H		
		RD - Red	40x10 - 40°x10° V		
		BL - Blue	10x60 - 10°x60° H		
		AM - Amber	60x10 - 60°x10° V		
		RO - Red Orange <sup>1</sup>	30x55 - 30°x60° H		
		BG - Bluish Green <sup>1</sup>	55x30 - 60°x30° V		
		RB - Royal Blue <sup>1</sup>			

## PRODUCT CONFIGURATION

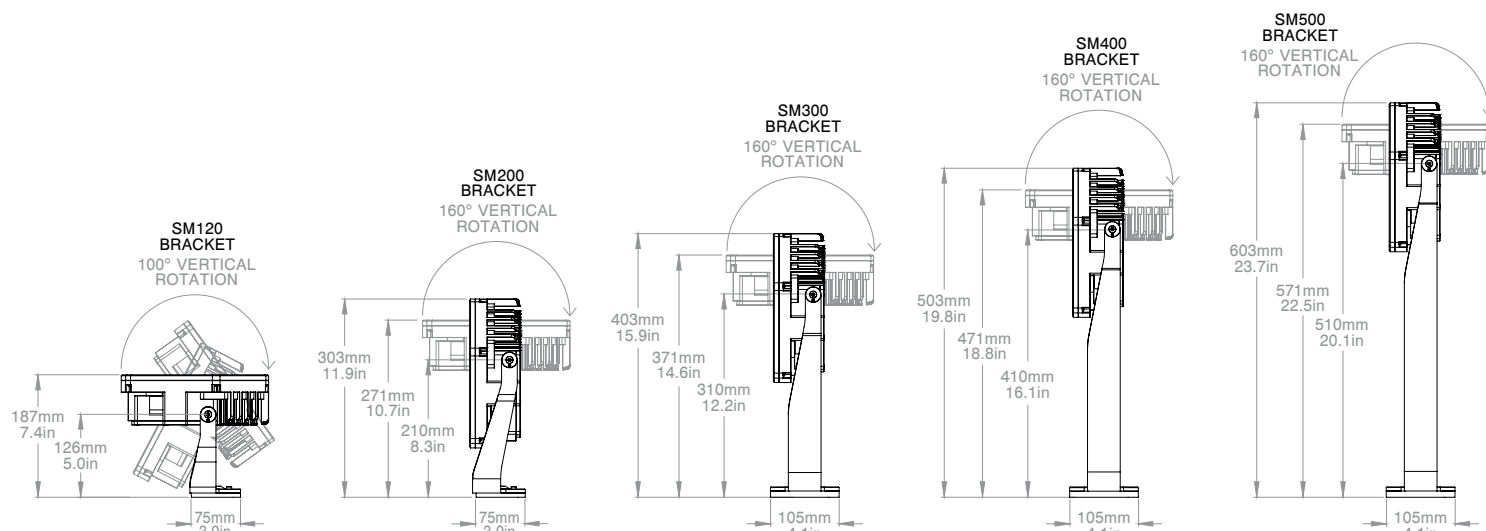
1. Non-standard option and may require longer lead time than usual.  
2. 2 - 277VAC version in development.

\* 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		85~264VAC	
		Power Consumption (max.)		50W		60W		70W	
OPTICAL	Light Source		18 x High Power LEDs						
	CRI		80 <sup>2</sup>						
	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>4</sup>		3,700	268,612	3,330	241,750	2,960	214,889
		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
		Amber		N/A	N/A	N/A	N/A	N/A	N/A
		Red Orange <sup>1</sup>		N/A	N/A	N/A	N/A	N/A	N/A
		Bluish Green <sup>1</sup>		N/A	N/A	N/A	N/A	N/A	N/A
	4°	Royal Blue <sup>1</sup>		N/A	N/A	N/A	N/A	N/A	N/A
	Output (typical) <sup>3</sup>	4000K <sup>4</sup>		4,600	204,143	4,140	183,728	3,680	163,313
		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
Amber			N/A	N/A	N/A	N/A	N/A	N/A	
Red Orange <sup>1</sup>			N/A	N/A	N/A	N/A	N/A	N/A	
Bluish Green <sup>1</sup>			N/A	N/A	N/A	N/A	N/A	N/A	
7°+		Royal Blue <sup>1</sup>		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)		4 (4.6°X4.6°), 7 (7°x7°), 10 (10°x10°), 20 (20°x20°), 40 (40°x40°), 55 (55°x55°), 75 (75°x75°), 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	Body Size (HxWxD)		mm	228 x 251 x 78					
			inches	9.0 x 9.9 x 3.1					
	Weight		kg	3.0					
			lbs	6.6					
	Housing		Anodized 6061 Aluminum Alloy						
	Fixture Connections		IP68 Connectors						
CERTIFICATION & SAFETY	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						
						Constructed to meet requirements outlined in UL1598 & IEC60598			
						Constructed to meet ANSI C136.31 3G Vibration standard for bridge and overpass applications			

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

2 - Minimum 90 CRI also available.

3 - Measured with 7° fixture configuration. Luminous flux may be lower with wider beam configuration.

4 - 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.  
This product is in its early release stage. The data above is in preliminary stage until full release.

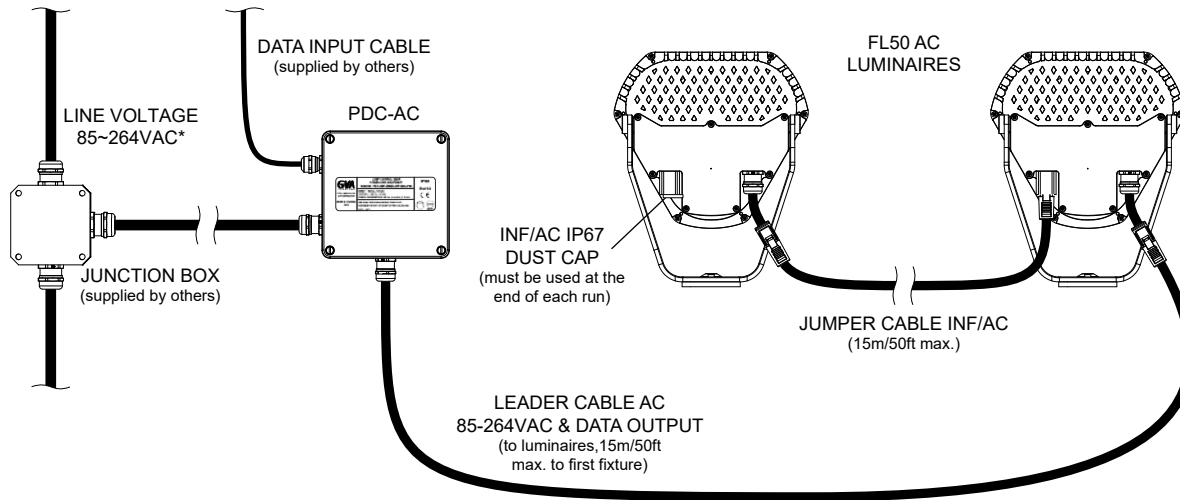
## Monochromatic Architectural Spot and Floodlight

## 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.

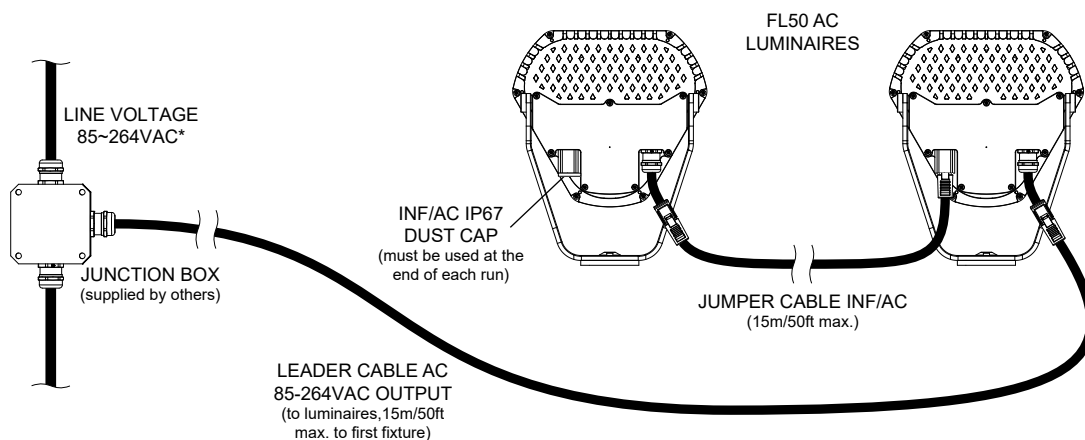
\* 277VAC version in development, consult factory for details



### 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

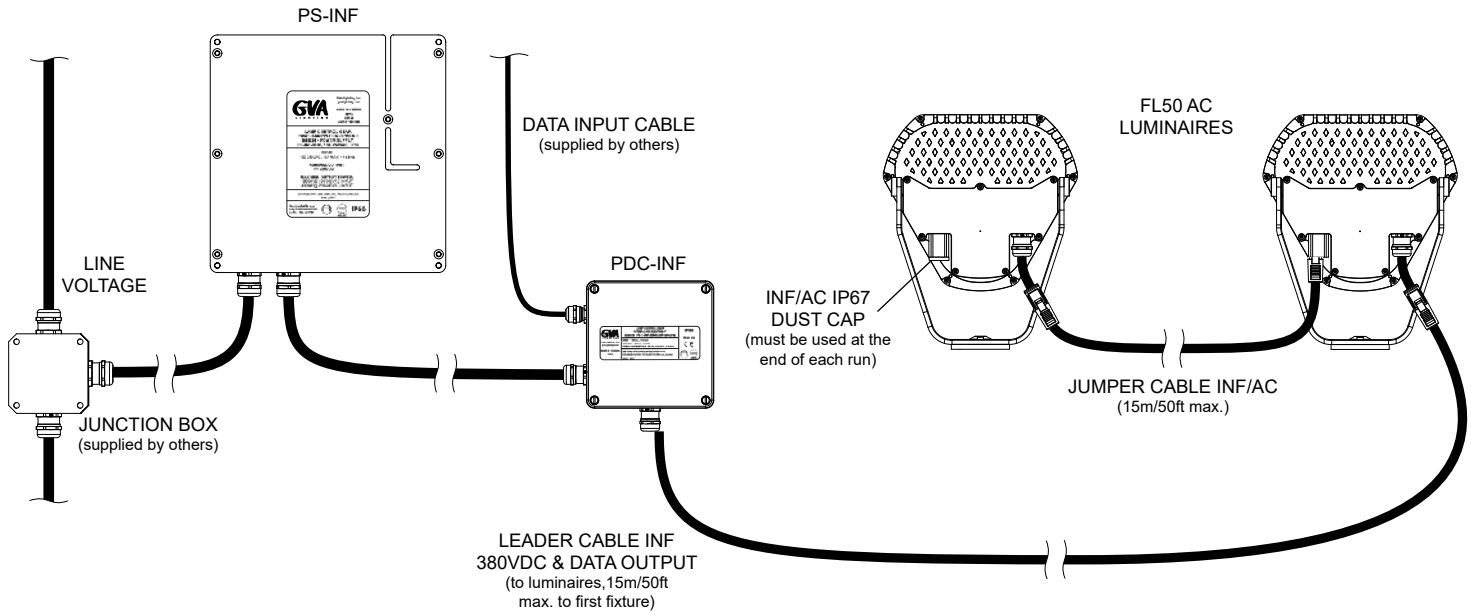


## Monochromatic Architectural Spot and Floodlight

## PRODUCT SPECIFICATION SHEET

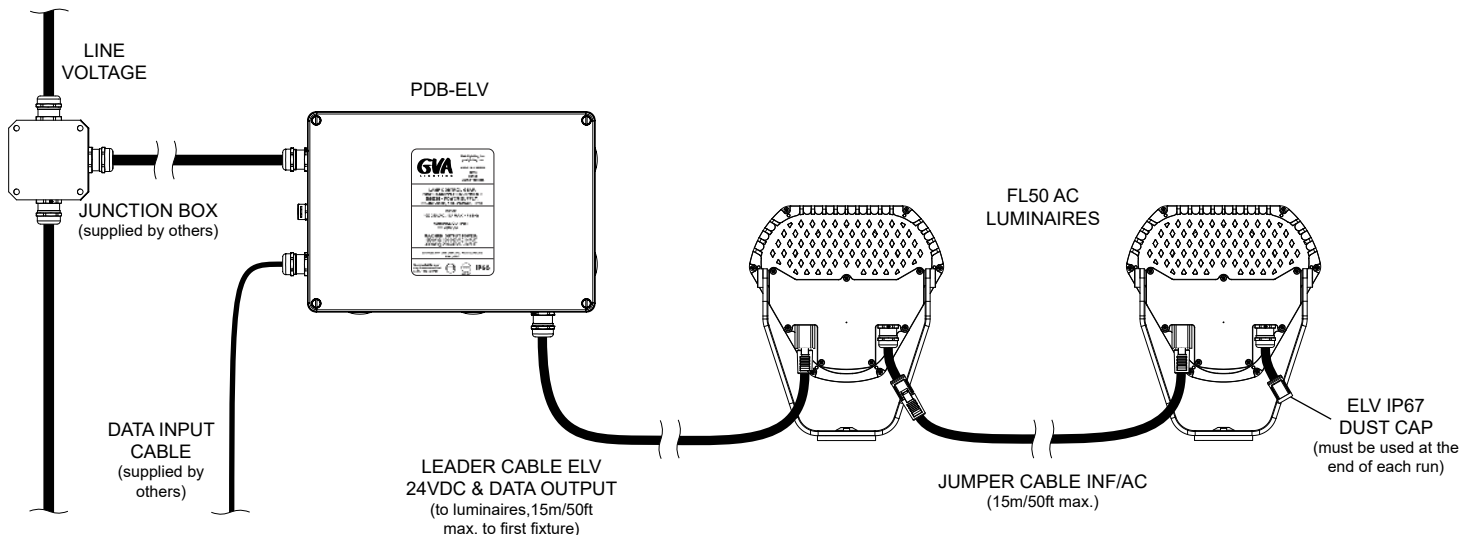
### TYPICAL SYSTEM DIAGRAM: INFINITY® (WITH CONTROL)

**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.

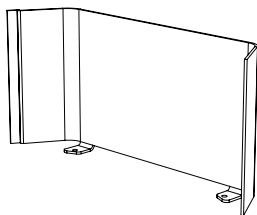


## Monochromatic Architectural Spot and Floodlight

## PRODUCT SPECIFICATION SHEET

## ORDERING LOGIC: ACCESSORIES

## VISORS



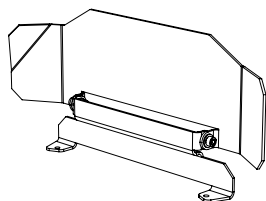
## COLOR

White Powder Coated  
Black Powder Coated  
Silver Powder Coated  
Custom Color

## PART NUMBER

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

## BARN DOORS



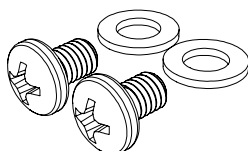
## COLOR

White Powder Coated  
Black Powder Coated  
Silver Powder Coated  
Custom Color

## PART NUMBER

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

## SCREW SETS



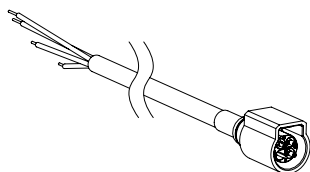
## PART NUMBER

121571

\*Order 1 per every single visor or  
barndoor ordered

## ORDERING LOGIC: COMMON COMPONENTS

## LEADER CABLES



## LEADER CABLE ELV

## NOMINAL LENGTH

3m (10ft)

9m (30ft)

15m (50ft)

CUSTOM

## PART NUMBER

140723

140733

140724

140732

## LEADER CABLE INF

3m (10ft)

9m (30ft)

15m (50ft)

CUSTOM

140725

140710

140726

140727

## LEADER CABLE AC

3m (10ft)

9m (30ft)

15m (50ft)

CUSTOM

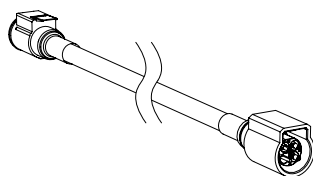
140858

140859

140860

140861

## JUMPER CABLES



## JUMPER CABLE ELV

0.9m (3ft)

1.8m (6ft)

3.6m (12ft)

CUSTOM

140729

140730

140731

140728

## JUMPER CABLE INF/AC

0.9m (3ft)

1.8m (6ft)

3.6m (12ft)

CUSTOM

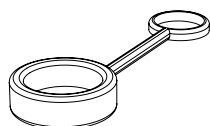
140709

140734

140735

140708

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



## INPUT TYPE

INF/AC

ELV

## PART NUMBER

230855

231182