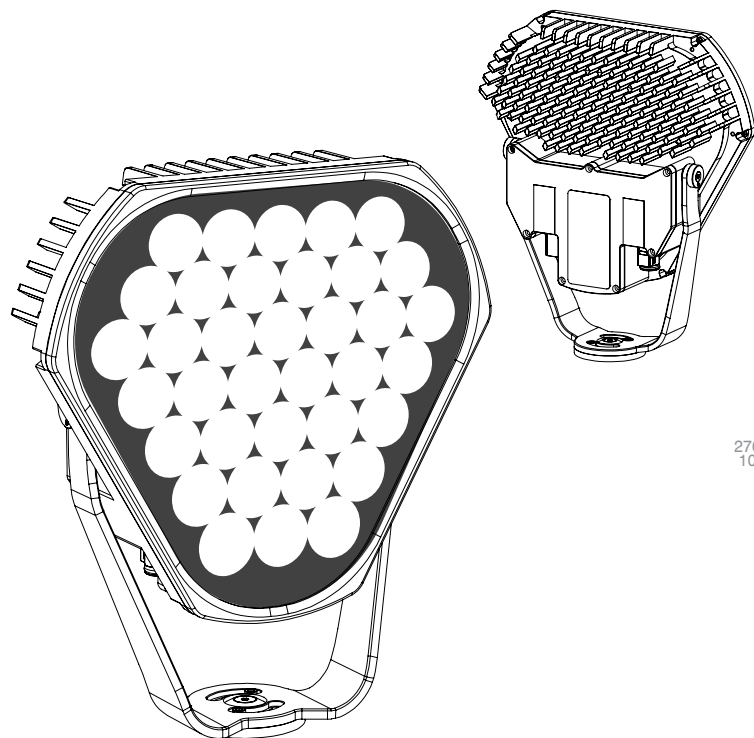


Monochromatic Architectural Spot and Flood Light

PRODUCT SPECIFICATION SHEET



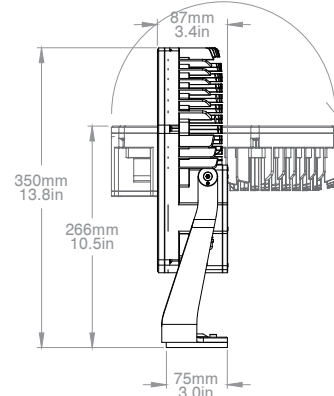
DATE:

TYPE:

COMPANY:

PROJECT:

360° ROTATION

160° VERTICAL
ROTATION

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

FEATURES:

- Over 9000 Lumen output (ELV48)
- 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:

- Wide range of LED colors available
- 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: FL100™ MONOCHROMATIC

FAMILY	BODY COLOR	LED COLOR	OPTICS(FWHM)*	VOLTAGE	MOUNTING OPTION
FL100	BM - Black Matte Anodized CM - Clear Matte Anodized CUST - Custom Color ¹	2200K ¹	4 - 4.5°x4.5°	ELV - 48VDC INF - 380VDC AC - 85~264VAC AC277 - 85~277VAC	SM120 - Surface Mount 120mm ¹ SM200 - Surface Mount 200mm ¹ 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
		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	85 - 85°x85°		
		RD - Red	10x40 - 10°x40° H		
		BL - Blue	40x10 - 40°x10° V		
		AM - Amber ¹	10x60 - 10°x60° H		
		RO - Red Orange ¹	60x10 - 60°x10° V		
		BG - Bluish Green ¹	30x55 - 30°x55° H		
		RB - Royal Blue ¹	55x30 - 55°x30° V		

PRODUCT CONFIGURATION

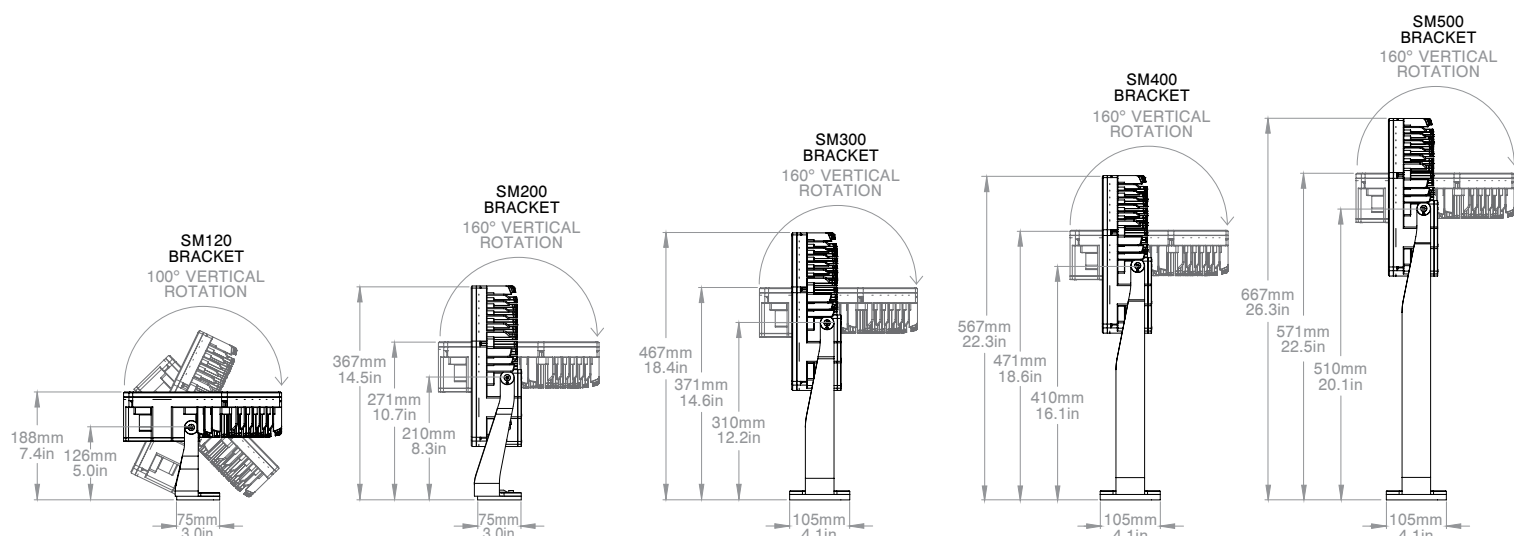
1. Non standard option and might require longer leadtime than usual. Contact factory for details.

Nominal values are used. Actual measurements may differ slightly.

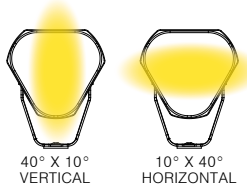





Monochromatic Architectural Spot and Flood Light

PRODUCT SPECIFICATION SHEET

MOUNTING BRACKET OPTIONS



PRODUCT SPECIFICATIONS: FL100™ MONOCHROMATIC

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)	Color	Wave Length (nm)	Luminous Flux (lm)	Peak Intensity (cd)	Luminous Flux (lm)	Peak Intensity (cd)	Luminous Flux (lm)	Peak Intensity (cd)
		4000K ³	N/A	7,400	537,220	6,660	483,500	5,920	429,780
		Red	620	N/A	N/A	N/A	N/A	N/A	294,000
		Green	525	N/A	N/A	N/A	N/A	N/A	146,000
	7°	Blue	470	N/A	N/A	N/A	N/A	N/A	129,000
		4000K ³	N/A	9,199	408,220	8,280	367,398	7,361	326,576
		Red	620	N/A	N/A	N/A	N/A	4,000	N/A
		Green	525	N/A	N/A	N/A	N/A	2,000	N/A
7°	Blue	470	N/A	N/A	N/A	N/A	1,700	N/A	
	Optics		High optical efficiency PMMA TIR Optics, 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.

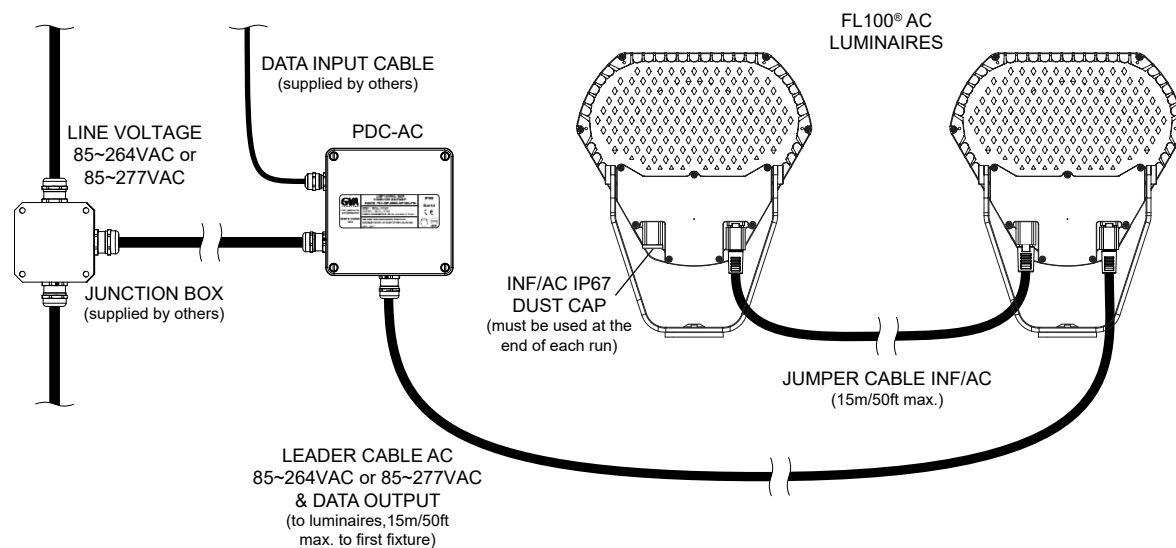
These figures are subject to change due to further development and innovations of LED light sources.

Monochromatic Architectural Spot and Flood Light

PRODUCT SPECIFICATION SHEET

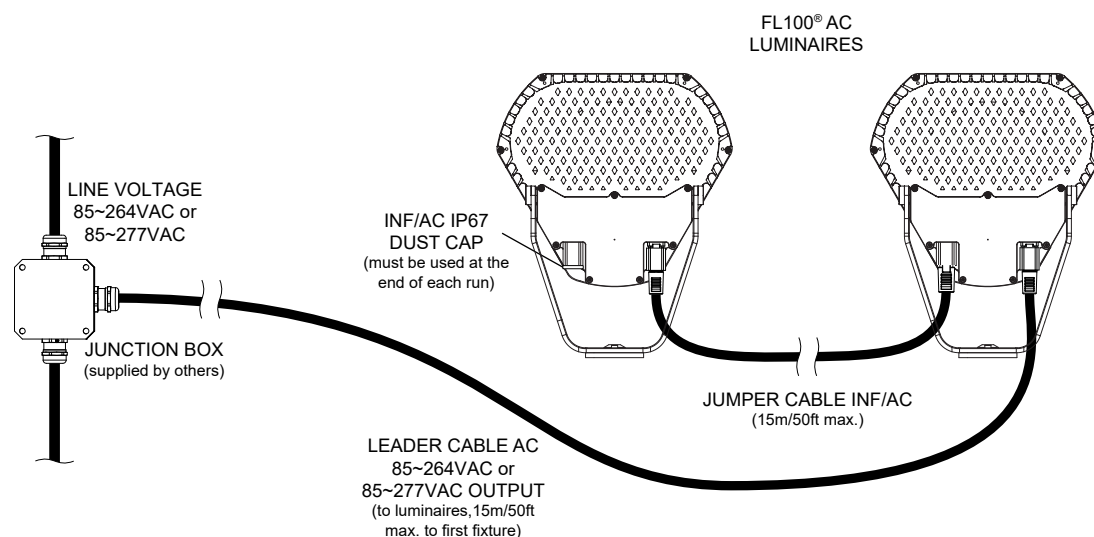
TYPICAL SYSTEM DIAGRAM: AC (WITH CONTROL)

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.

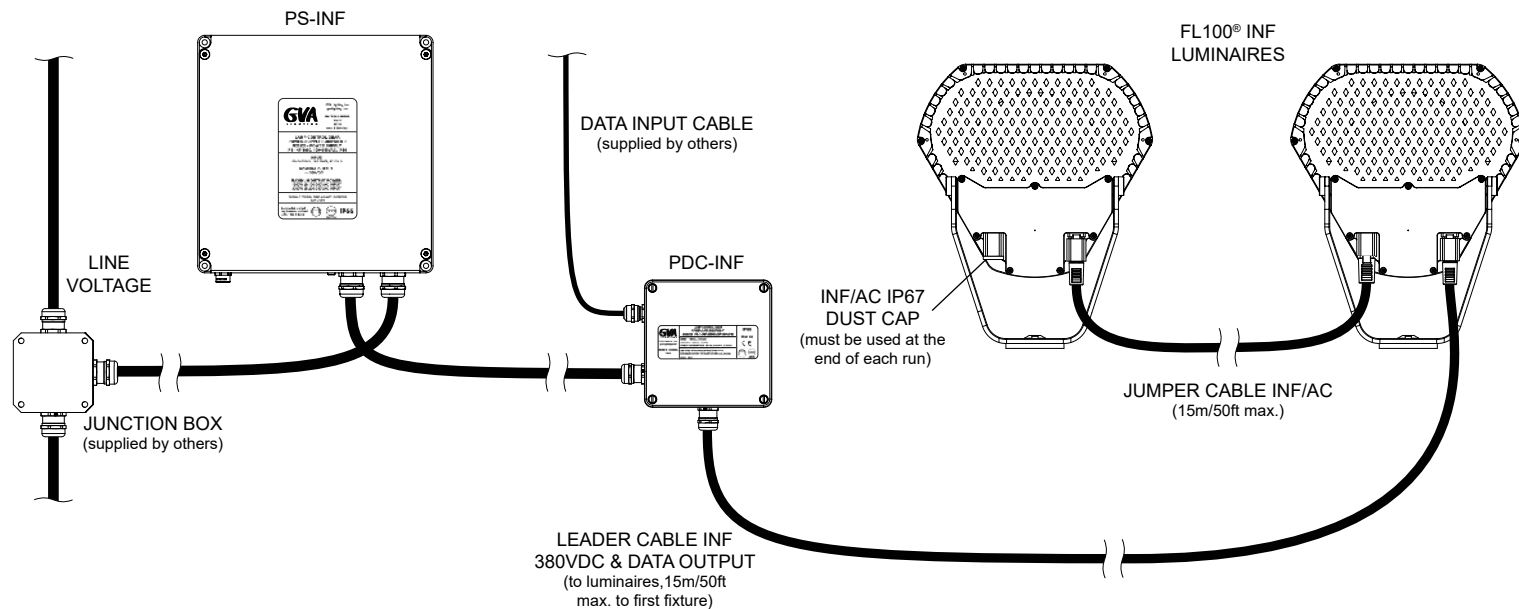


Monochromatic Architectural Spot and Flood Light

PRODUCT SPECIFICATION SHEET

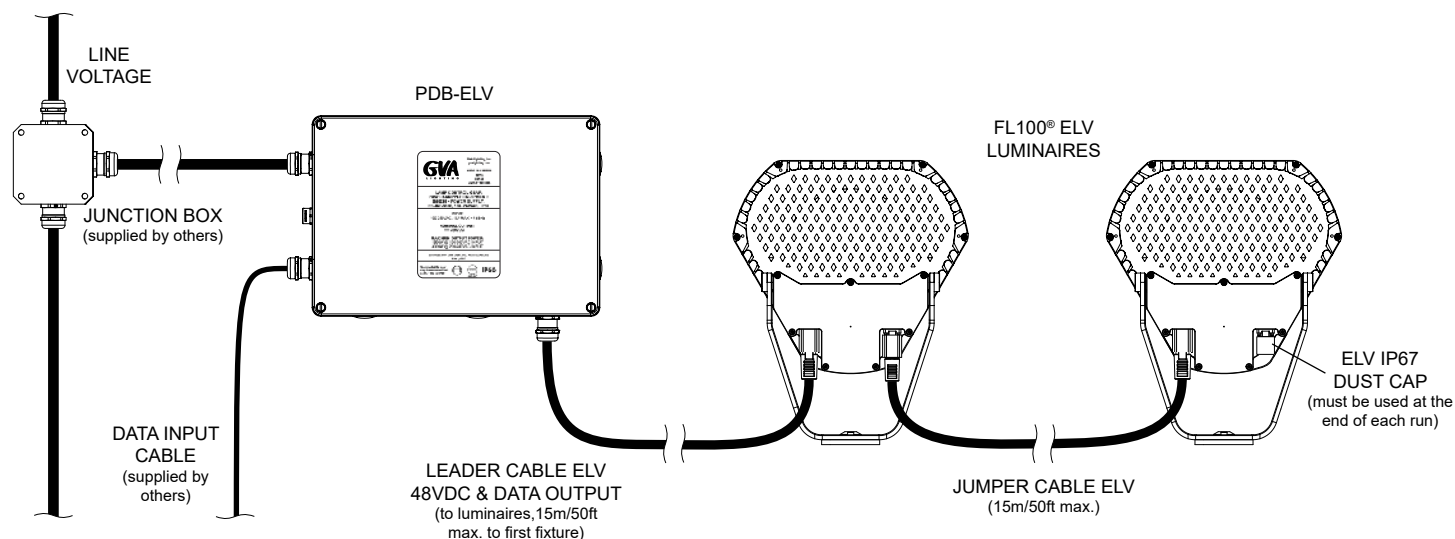
TYPICAL SYSTEM DIAGRAM: INFINITY® (WITH CONTROL)

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.

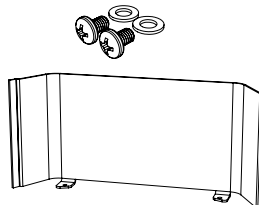
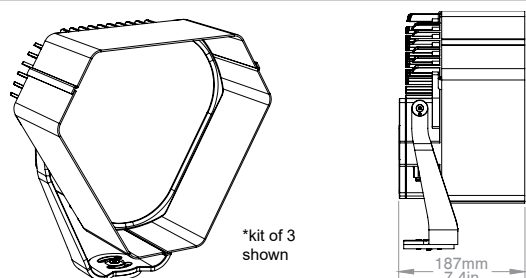


Monochromatic Architectural Spot and Flood Light

PRODUCT SPECIFICATION SHEET

ORDERING LOGIC: ACCESSORIES

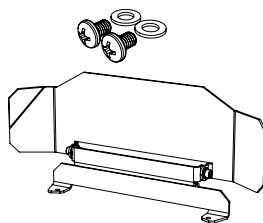
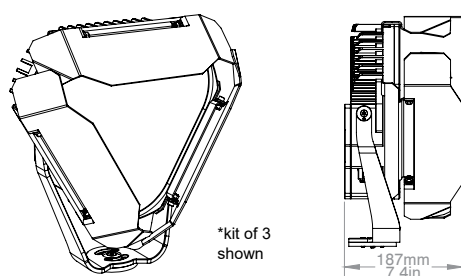
VISORS



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

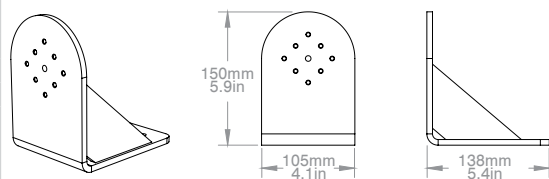


COLOR	KIT OF 1	KIT OF 2	KIT OF 3
Clear Matte Anodized	121893	121896	121899
Black Matte Anodized	121894	121897	121900
Custom Color	121895	121898	121901

* kit includes mounting hardware

ORDERING LOGIC: COMMON ACCESSORIES

90 DEG ANGLE ADAPTERS

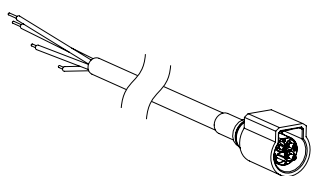


COLOR	PART NUMBERS
Clear Matte Anodized	121718
Black Matte Anodized	121719
Custom Color	121720

* for use with SM300, SM400, or SM500 brackets

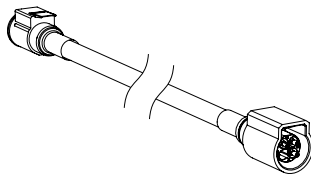
ORDERING LOGIC: COMMON COMPONENTS

LEADER CABLES



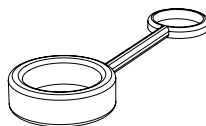
NOMINAL LENGTH	ELV	INF	AC
3m (10ft)	140723	140725	140858
9m (30ft)	140733	140710	140859
15m (50ft)	140724	140726	140860
CUSTOM	140732	140727	140861

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