FL25

INFINITY®
GVA TECHNOLOGY

GVA LIGHTING

Monochromatic Architectural Spot and Floodlight

DATE:	
TYPE:	
COMPANY:	
PROJECT:	

360° ROTATION

150° VERTICAL ROTATION

168mm 6.6in

224mm 8.8in

185mm 7.3in

126mm 5.0in

188mm 7.4in

78mm 3.1in

FEATURES:

- Ultra narrow 4.5° beam angle
- INFINITY® Technology compatible (INF)
- Built-in high temperature power supply (AC)
- Plug-and-play with STR9® 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 2.0kg (4.4lbs)
- Highly adjustable with 360° horizontal rotation and 150° vertical rotation
- ASTM B117 marine grade powder coating

OPTIONS:

- Wide range of LED colors available
- Beam angles ranging from 4° to 85° with elliptical distribution options
- Optical accessories for glare control
- White, silver, and black matte standard powder coated body colors
- Custom body colors available on demand
- ELV (48VDC), INF (380VDC) and AC (85~277VAC) input options
- Range of bracket lengths and mounting options

SPECIFICATION LOGIC: FL25 MONOCHROMATIC

FAMILY	BODY COLOR	LED COLOR	OPTICS(FWHM)*	VOLTAGE	MOUNTING OPTION
FL25	**WH** - White Matte Powder Coated	2200K¹	**4** - 4.5°x4.5°	**ELV** - 48VDC	**SM120** - Surface Mount 120mm
	SR - Silver Matte Powder Coated	**2700K**	**7** - 7°x7°	**INF** - 380VDC	SM200 - Surface Mount 200mm¹
	BL - Black Matte Powder Coated	**3000K**	**10** - 10°x10°	**AC277** - 85~277VAC	SM300 - Surface Mount 300mm¹
	CUST - Custom Color¹	**3500K**	**20** - 20°x20°		SM400 - Surface Mount 400mm¹
		4000K	**40** - 40°x40°		SM500 - Surface Mount 500mm¹
		5000K	**55** - 55°x55°		SMXXX - Surface Mount Custom¹ (specify length)
		6500K	**75** - 75°x75°		TM120 - Tenon Mount 120mm¹
		GR - Green	**85** - 85°x85°		PM - Pole Mount¹
		RD - Red	**10x40** - 10°x40° H		
		BL - Blue	**40x10** - 40°x10° V		
		AM - Amber¹	**10x60** - 10°x60° H		
		RO - Red Orange¹	**60x10** - 60°x10° V		
		BG - Bluish Green¹	**30x55** - 30°x60° H		
		RB - Royal Blue¹	**55x30** - 60°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.

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PRODUCT SPECIFICATIONS: FL25 MONOCHROMATIC

ELECTRICAL	Rated Input Voltage	48VDC	380VDC	85~264VAC or 85~277VAC
	Power Consumption (max.)	25W	35W	30W
OPTICAL	Light Source	10 x High Power LEDs		
	CRI	80[1]		
	Output (typical) 4°[2]	Color	Luminous Flux (lm)	
		White - 4000K[3]	1,231	
	Output (typical) 7°[2]	Color	Luminous Flux (lm)	
		White - 4000K[3]	1,956	
	Optics	High optical efficiency PMMA TIR Optics, Micro Lense Film, Tempered Glass Cover		
	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°)	40° X 10° VERTICAL 10° X 40° HORIZONTAL	
	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)	168 x 188 x 78 mm (6.6 x 7.4 x 3.1 in)		
	Weight	2.0 kg (4.4 lbs)		
	Housing	ASTM B117 marine grade 3000h compliant powder coated, low copper, 6061 aluminum alloy		
	Fixture Connections	IP68 Connectors		
	Rated Operation Temperature	-40°C (-40°F) to +50°C (122°F)		
	Environment	Dry, Damp or Wet Locations, 0-100% humidity		
CERTIFICATION & SAFETY	Listings	RoHS, REACH		
	IEC Classifications	Class 1 LED Luminaire		

RoHS REACH DRY DAMP WET

Constructed to meet requirements outlined in UL1598 & IEC60598

Constructed to meet ANSI C136.31 3G Vibration standard for bridge and overpass applications

1. Minimum 90 CRI also available.
2. Luminous flux may vary by optical distribution.
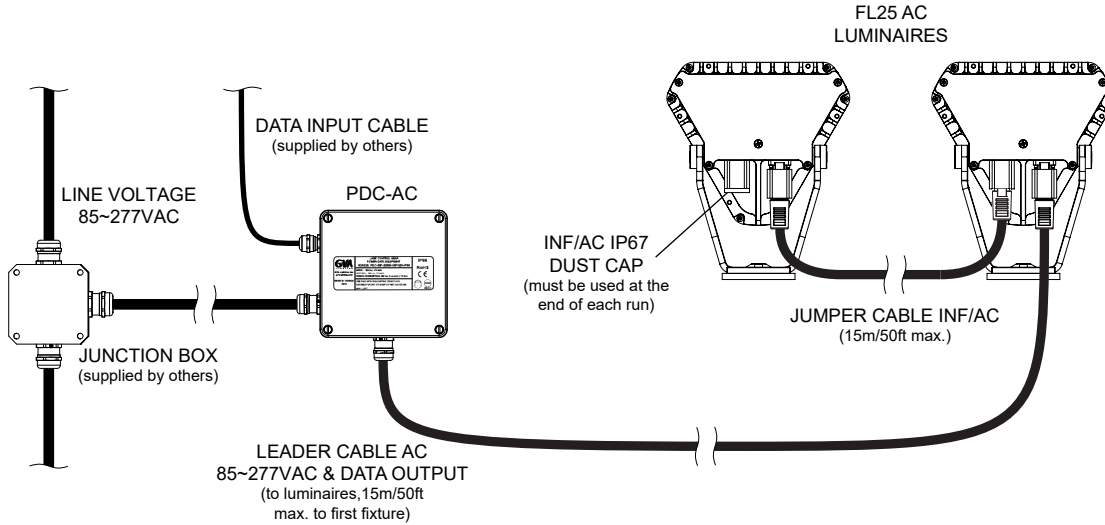3. Warmer color temperatures typically have a lower lumen output.

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

FL25

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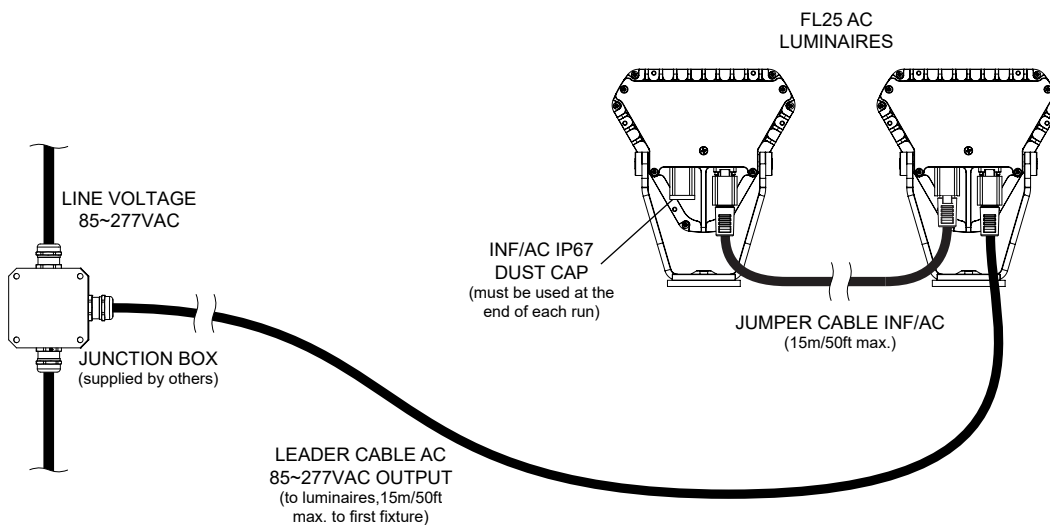**Monochromatic Architectural Spot and Floodlight**

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.

FL25 AC
LUMINAIRES

DATA INPUT CABLE
(supplied by others)

LINE VOLTAGE
85~277VAC

PDC-AC

INF/AC IP67
DUST CAP
(must be used at the
end of each run)

JUNCTION BOX
(supplied by others)

JUMPER CABLE INF/AC
(15m/50ft max.)

LEADER CABLE AC
85~277VAC & DATA OUTPUT
(to luminaires,15m/50ft
max. to first fixture)

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.   To be used with FL25 MONO fixtures only.
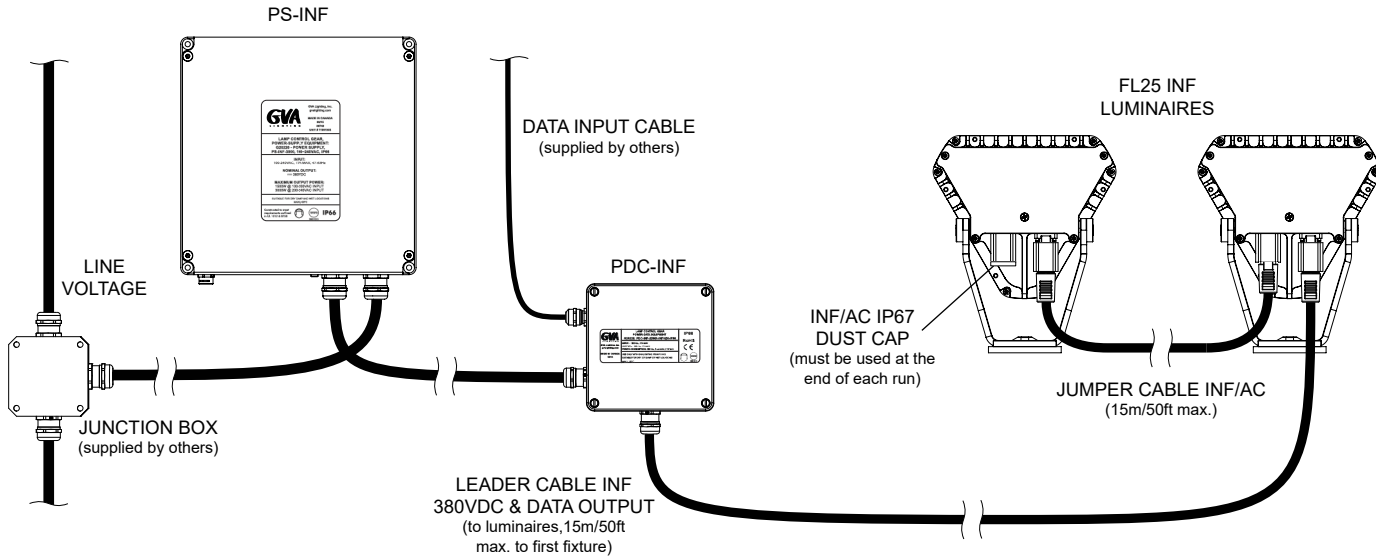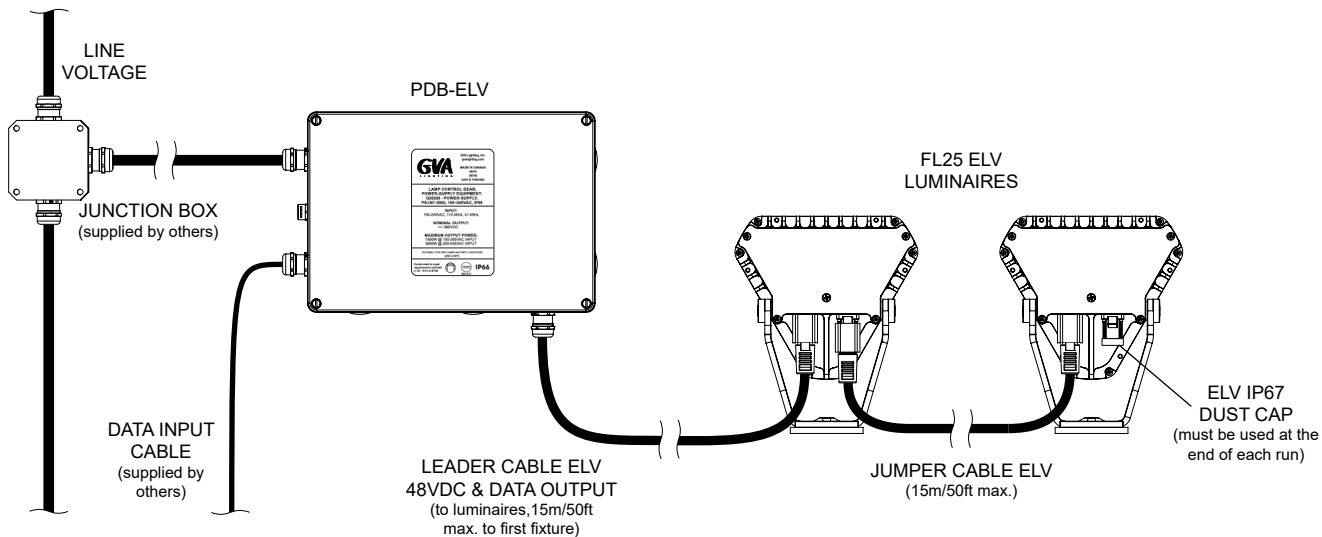
FL25 AC
LUMINAIRES

LINE VOLTAGE
85~277VAC

INF/AC IP67
DUST CAP
(must be used at the
end of each run)

JUNCTION BOX
(supplied by others)

JUMPER CABLE INF/AC
(15m/50ft max.)

LEADER CABLE AC
85~277VAC OUTPUT
(to luminaires,15m/50ft
max. to first fixture)

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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.

PS-INF

DATA INPUT CABLE
(supplied by others)

FL25 INF
LUMINAIRES

LINE
VOLTAGE

PDC-INF

INF/AC IP67
DUST CAP
(must be used at the
end of each run)

JUNCTION BOX
(supplied by others)

JUMPER CABLE INF/AC
(15m/50ft max.)

LEADER CABLE INF
380VDC & DATA OUTPUT
(to luminaires,15m/50ft
max. to first fixture)

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.

LINE
VOLTAGE

PDB-ELV

FL25 ELV
LUMINAIRES

JUNCTION BOX
(supplied by others)

DATA INPUT
CABLE
(supplied by
others)

ELV IP67
DUST CAP
(must be used at the
end of each run)

LEADER CABLE ELV
48VDC & DATA OUTPUT
(to luminaires,15m/50ft
max. to first fixture)

JUMPER CABLE ELV
(15m/50ft max.)

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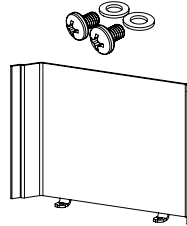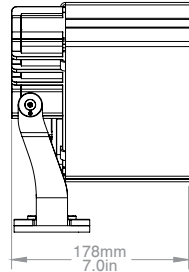
Monochromatic Architectural Spot and Floodlight

PRODUCT SPECIFICATION SHEET

ORDERING LOGIC: ACCESSORIES

VISORS

*kit of 3 shown

178mm
7.0in
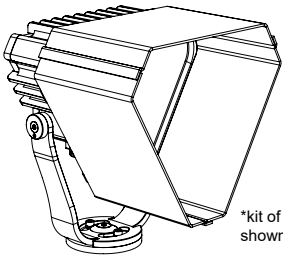
COLOR	KIT OF 1	KIT OF 2	KIT OF 3
Clear Matte Anodized	122397	122400	122403
Black Matte Anodized	122398	122401	122404
Custom Color	122399	122402	122405

* kit includes mounting hardware
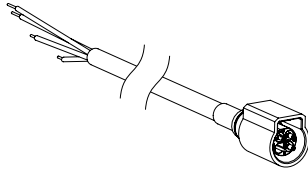
BARN DOORS

*kit of 3 shown

134mm
5.3in
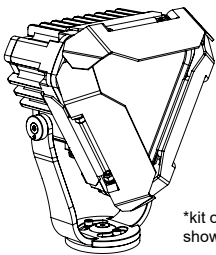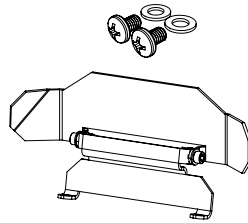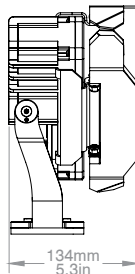
COLOR	KIT OF 1	KIT OF 2	KIT OF 3
Clear Matte Anodized	122407	122410	122413
Black Matte Anodized	122408	122411	122414
Custom Color	122409	122412	122415

* kit includes mounting hardware
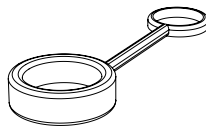
ORDERING LOGIC: COMMON COMPONENTS

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
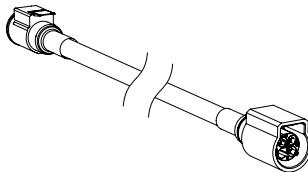
NOMINAL LENGTH	ELV	INF/AC
0.9m (3ft)	140729	140709
1.8m (6ft)	140730	140734
3.6m (12ft)	140731	140735
CUSTOM	140728	140708

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

ELV	INF/AC
231182	230855