LIRA™

GVA LIGHTING

Monochromatic Architectural Spot and Flood Light

DATE:	
TYPE:	
COMPANY:	
PROJECT:	

200° VERTICAL ROTATION

Ø 73.0mm / 2.87in

106.5mm / 4.19in

110.1mm / 4.33in

70mm / 2.76in

47.1mm / 1.85in

38.0mm / 1.50in

Ø 50.0mm / 1.97in

Range of Brackets

SM70 — 70mm / 2.76in
SM100 — 100mm / 3.94in
SM150 — 150mm / 5.91in
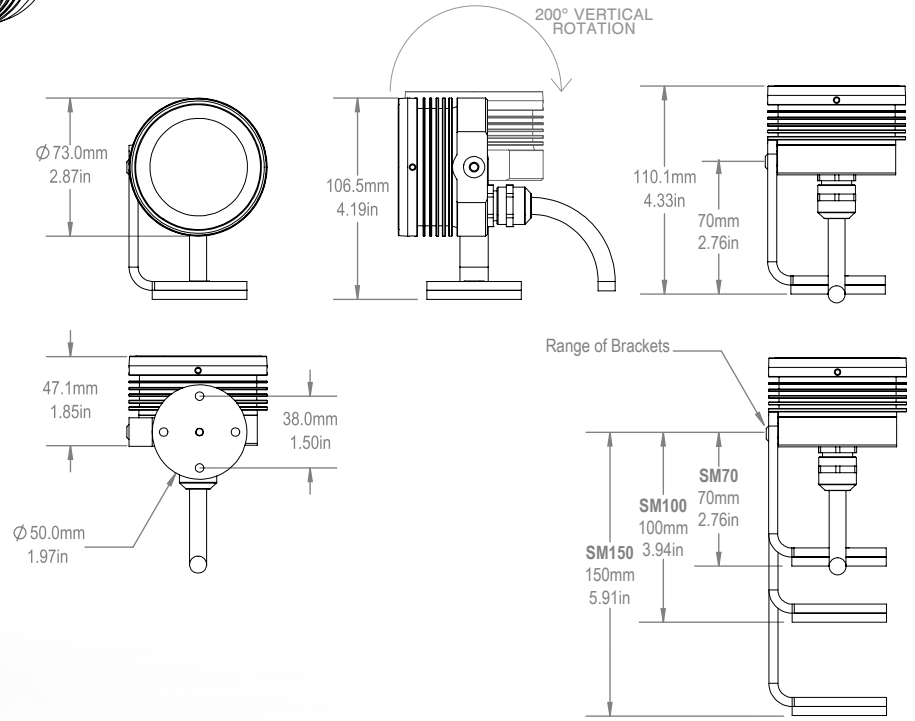
FEATURES:

- Fully sealed body design
- Machined and architectural anodized aluminum body
- Optically clear tempered glass
- Leader cable with proprietary moisture blocking design (IP68²)
- 5 year limited warranty
- Compact size, only 73mm (2.9in) in diameter
- Highly adjustable with 360° horizontal and 200° vertical rotation

OPTIONS:

- Range of LED color temperatures
- Beam angles ranging from 7° to 85° with elliptical distribution options
- Optical accessories for glare control
- Black matte and clear matte anodized colors
- Range of bracket lengths
- Outdoor Cable option suitable for outdoor exposed runs or Outdoor Burial Cable option suitable for outdoor exposed runs and direct burial (landscape applications).

SPECIFICATION LOGIC: LIRA™ MONO

FAMILY	BODY COLOR	POWER	LED COLOR	CONTROL	INPUT VOLTAGE	OPTICS (FWHM)	FLYING LEAD LENGTH	CABLE TYPE	MOUNTING
LIRA	BM - Black Matte CM - Clear Matte CUST - Custom Color¹	5W¹ 8W¹ 10W	2700K 3000K 3500K 4000K 5000K 6500K	ND - Non-Dimming DMX - DMX Control¹	24VDC	07 - 07°x07° 10 - 10°x10° 20 - 20°x20° 40 - 40°x40° 55 - 55°x55° 75 - 75°x75° 85 - 85°x85°	LL1 - 1.0m (3.3ft) LL2.5 - 2.5m (8.2ft) LL5 - 5.0m (16.4ft) LL7.5 - 7.5m (24.6ft) LL10 - 10.0m (32.8ft) LL15 - 15.0m (49.2ft) LL20 - 20.0m (65.6ft) LL25 - 25.0m (82.0ft)	OD - Outdoor OB - Outdoor Burial¹ (Landscape)	SM70 SM100¹ SM150¹
		5W	GR - Green¹ RD - Red¹ BL - Blue¹ AM - Amber¹ RO - Red Orange¹ BG - Bluish Green¹ RB - Royal Blue¹			10x40 - 10°x40° H 40x10 - 40°x10° V 10x60 - 10°x60° H 60x10 - 60°x10° V 30x55 - 30°x55° H 55x30 - 55°x30° V			

PRODUCT CONFIGURATION

1. Non-standard option or in development. Contact factory for lead times.
2. Product has been designed to achieve or surpass IP66/68 ratings, certification pending.

GVA Lighting, Inc. 3400 Ridgeway Drive, #14 Missisauga, Ontario L5L 0A2
Tel: + 1 905 569 6044 Email: info@gvalighting.com

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PRODUCT SPECIFICATIONS: LIRA™ MONO

ELECTRICAL	Rated Input Voltage	24VDC		
	Power Consumption (max.)	10W		
	AC/DC Power Supply	GVA Lighting, Inc. PS-ELV24-100~277VAC-IP66/IP40, or suitable 24V Class2 power supply		
OPTICAL	Light Source	Single High Power Monolithic LED		
	CRI	80 CRI (70 CRI available with higher flux[1])		
	MONO 10W Output (typical) 7°	CCT	Luminous Flux (lm)	Peak Intensity (cd)
		2700K	648	30,780
		3000K	720	34,200
		3500K	800	38,000
		4000K	880	41,800
		5000K	968	45,980
		6500K	1,064	50,578
	Optics (FWHM)	07 (07°x07°) 10x40 (10°x40° H) 10 (10°x10°) 40x10 (40°x10° V) 20 (20°x20°) 10x60 (10°x60° H) 40 (40°x40°) 60x10 (60°x10° V) 55 (55°x55°) 30x55 (30°x55° H) 75 (75°x75°) 55x30 (55°x30° V) 85 (85°x85°)		
	Projected Lumen Maintenance	L70 > 60,000hrs @ t_a = 50°C (122°F)		
CONTROL	Control Systems	Non-Dimming		
PHYSICAL	Size (HxWxD)	mm inches	106.5 x 73.90 x 47.1 4.19 x 2.87 x 1.85	
	Weight	kg lbs	0.38 0.84	
	Housing	Machined and architectural anodized aluminum body, optically clear tempered glass		
	Fixture Connections	ND	2 conductor power cable with stripped wires and proprietary moisture blocking	
		DMX[1]	7 conductor power and data cable with stripped wires and proprietary moisture blocking	
	Rated Operation Temperature	-30°C (-22°F) to +50°C (122°F)		
	Environment	Dry, Damp or Wet Locations, 0-100% Humidity		
CERTIFICATION & SAFETY	Listings	RoHS		
	IEC Classifications	Class 2 LED Luminaire		
	RoHS REACH IP66	Constructed to meet requirements outlined in UL 1838 & 8750		

VERTICAL (40°X10°) HORIZONTAL (10°X40°)

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

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TYPICAL SYSTEM DIAGRAM: LIRA™ MONO

NOTE: Cable length, gauge, and fixture quantity is directly proportionate to the maximum fixture distance from the power-data box. Minimum working voltage of LIRA luminaire is 18VDC. Please consult GVA Lighting for more information.


100~277VAC LINE VOLTAGE

PDB-ELV or PS-ELV

AC INPUT CABLE (supplied by others)

AC OUTPUT CABLE (optional, supplied by others)

JUNCTION BOX (supplied by others)

Refer to PS/PDB-ELV installation guide for specific instruction

DMX INPUT CABLE (supplied by others, for DMX luminaire only)

DMX OUTPUT CABLE (optional, supplied by others, for DMX luminaires only)

BUS SYSTEM

2C POWER CABLE & 5C DMX CABLE (for DMX luminaire only, supplied by others) OR 2C POWER CABLE ONLY (for non-dimming luminaire only, supplied by others)

FIRST JUNCTION BOX (supplied by others)

LAST JUNCTION BOX (supplied by others)

2C POWER CABLE & 5C DMX CABLE (for DMX luminaire only, supplied by others) OR 2C POWER CABLE ONLY (for non-dimming luminaire only, supplied by others)

LEADER CABLE

LIRA LUMINAIRE

LEADER CABLE

LIRA LUMINAIRE

Refer to LIRA installation guide for specific instruction

RADIAL/ STAR SYSTEM

2C POWER CABLE & 5C DMX CABLE (for DMX luminaire only, supplied by others) OR 2C POWER CABLE ONLY (for non-dimming luminaire only, supplied by others)

JUNCTION BOX (supplied by others)

LEADER CABLE

LIRA LUMINAIRE(S)

NOTE: Diagram shows 2C power cable and 5C data cable option. GVA 7C power & data cable available (supplied separately).

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ORDERING LOGIC: LIRA OPTICAL ACCESSORIES

SNOOTS & VISORS
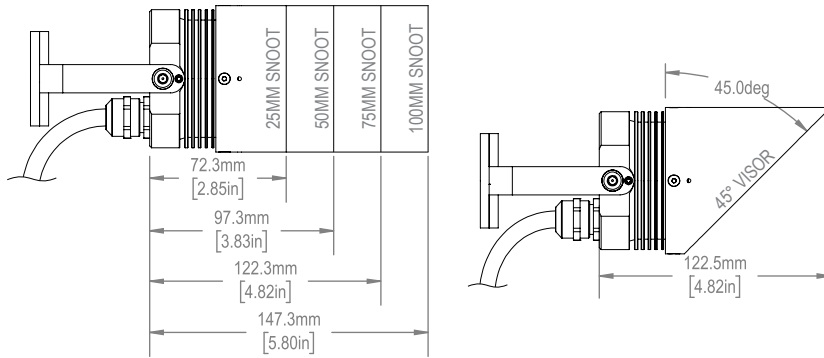
COLOR	25MM	50MM	75MM	100MM	VISOR
			PART NO.		
Clear Matte Anodized	122299	122302	122305	122308	122314
Black Matte Anodized	122300	122303	122306	122309	122315
Custom Color	122301	122304	122307	122310	122316

NOTE: Visor can be installed at any 90° orientation. See installtion guide for details.
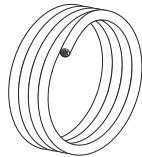NOTE: Order 1 screw kit per every snoot and visor.

VISOR & SNOOT SCREW KIT
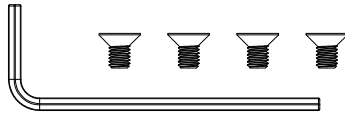
PART NO.
122907

NOTE: Order 1 screw kit per every snoot and visor.

CABLE

TYPE	LENGTH	PART NUMBER
2C OUTDOOR (OD)	Specify in Meters	280275

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