

HL-ART-1615-MONO



Specification-Grade, Direct-View, Monochromatic LED System for Architectural Delineation

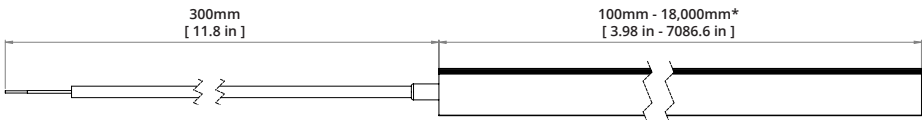
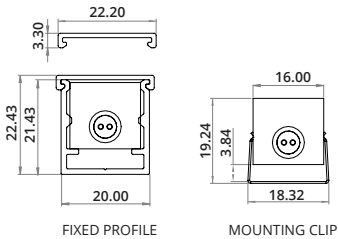
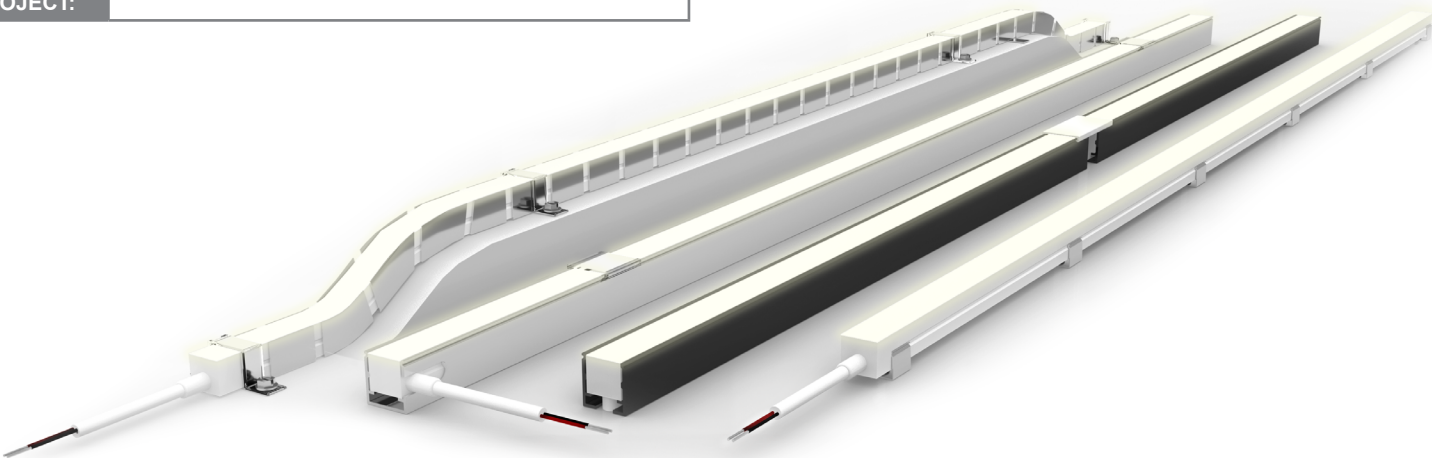
PRODUCT SPECIFICATION SHEET

DATE:

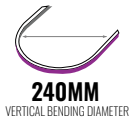
TYPE:

COMPANY:

PROJECT:



* Upto 18,000mm in low power only



FEATURES

Physical

HL-ART-1615-MONO is a specification-grade, direct-view, fixed or flexible LED system for outdoor and indoor architectural delineation and special lighting effects. Featuring GVA factory engineered aluminum profiles and mounting options, installable with a maximum vertical bend radius of 120mm / 4.72" with applicable profile selection.

Electronics are encapsulated by a high-quality Dow silicone, using a fully automated co-extrusion technology. IP67 protection, superior heat management and resistance from chemicals and UV.

Optics & Electronics

A premium selection of LEDs is used with 3-step micro-binning and CRI 90+ guaranteeing consistency and high quality of light. Constant current integrated circuit design ensures uniformed light intensity along the entire length of luminaire. Fully dimmable with specified LED drivers, supporting 0-10V and DALI dimming protocols.

Customization

Front, back, and side cable entry options available for different install options. Endless fixture length configurations allow for the ultimate freedom of design. Cut lengths and terminations are done at GVA factory to ensure IP rating, reliability and to maintain a sleek luminaire form factor by avoiding bulky DIY end caps.

Life Cycle

Long lifetime expectancy of L70B10 > 54,000 hours with Five-year limited warranty

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SPECIFICATION LOGIC: HL-ART-1615-MONO						
FAMILY	POWER W/FT	NOMINAL LENGTH ^{1,2}	CCT ³	INPUT VOLTAGE	CABLE ENTRY	IP RATING
HL-ART-1615-MONO	1.5W/FT	Min length - 100mm	2200K	24VDC	FF - Front + Front	IP67
	3.1W/FT	Maximum length - 18,000mm	2700K		SS - Side + Side	
	4.6W/FT	Increments available - 50mm	3000K		BB - Bottom + Bottom	
			3500K		FX - Front + Closed	
			4000K		SX - Side + Closed	
			5000K		BX - Bottom + Closed	
			6500K			
			RD - Red			
			AM - Amber			
			GR - Green			
			BL - Blue			
			PK - Pink			
			YL - Yellow			

Order example: HL-ART-1615-MONO-1.5W/FT-3150MM-3000K-24VDC-FF-IP67

PRODUCT CONFIGURATION						

1. Standard unit of length is in millimeters. Lengths in inches and feet is calculated from millimeters.
2. See Maximum run lengths table on page 3
3. Due to tolerances of LED binning and production processes, CCT values can vary up to +5%.
- Field alterations will void factory warranty

PRODUCT SPECIFICATIONS				
Electrical		Low	Standard	High
	Power Consumption ¹	5W/m / 1.5 W/ft	10W/m / 3.1 W/ft	15W/m / 4.6 W/ft
	Voltage	24VDC (23.5Vmin, 24.5Vmax)		
Physical	Minimum Length	100mm	100mm	100mm
	Height x Width	16mm x 15mm / 0.63" x 0.59" (W x H)		
	Body Finish	Premium Dow silicone encapsulation, white		
	Bend Direction	Vertical		
	Bend Radius	120mm / 4.72"		
	Cable Entry Options	Front, Side, Bottom		
	Fixture Connections	IP67 injection-moulded input and output connectors		
Optical	Light Source	2835 LEDs, 3-step micro binning		
	CRI	90+		
	Control Protocol	DALI or 0-10V dimmable		
	Lumen Output @ 3000K(lm/ft)	72	185	232
	Efficacy @ 3000K(lm/W)	46	58	50
	Projected Lumen Maintenance	L70B10 > 54,000 hours		
	Surface Brightness (cd/m²)	3429	6471	9783





1. Due to tolerances of the electronic components, light output and electrical power can vary up to 10%.

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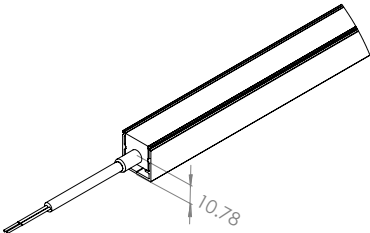
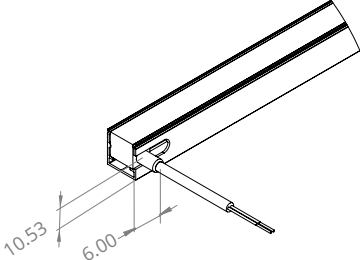
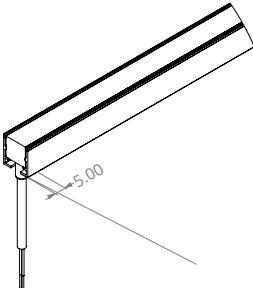
PRODUCT SPECIFICATION SHEET

Temperature Range	Storage Temperature	-25°C / -13°C to 60°F / 140°F		
	Max Ambient Temperature	55°C / 131°F	45°C / 113°F	35°C / 95°F
	Min Ambient Temperature	-25°C / -13°F	-25°C / -13°F	-25°C / -13°F
Certification & Safety	IES Classifications	Classification (III)		
		RoHs, CE, REACH, UL, IK08, IP67		
	Certifications	   		
	Environment	Dry, damp or wet locations, 0-100% humidity		

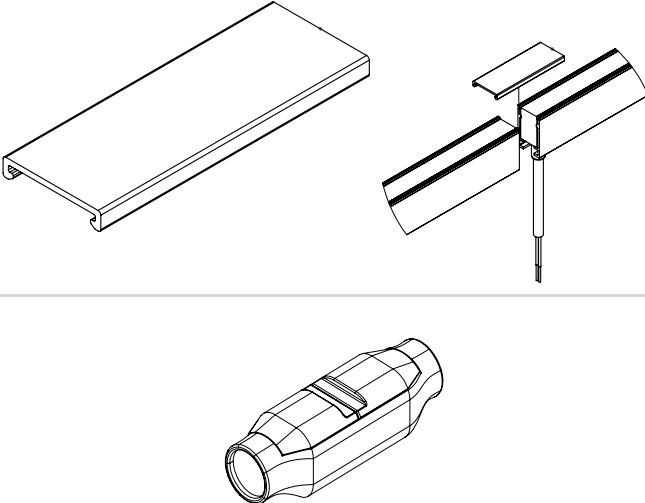
MAXIMUM RUN LENGTHS

HL-ART-1615-MONO		Low	Standard	High
	Power	5W/m (1.5W/ft)	10W/m (3.1W/ft)	15W/m (4.6W/ft)
	Max Length	18m/60ft	9m/30ft	6m/20ft

CABLE ENTRY OPTION EXAMPLES

F - FRONT	S - SIDE	B - BOTTOM
		

ACCESSORIES

	PART NUMBER	DETAILS
	243202	HL-ART, JOINER CAP, PMMA, TRANSLUCENT WHITE
	232219	HL-ART, CONN, TE, WIRE TO WIRE, SERVICE, FEMALE, 4P, 6.2A, 18AWG232219 - CONN, TE, WIRE TO WIRE, SERVICE, FEMALE, 4P, 6.2A, 18AWG

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PROFILES AND MOUNTING OPTIONS			
FIXED ALUMINUM CLEAR/BLACK MATTE			
	PART NUMBER		DETAILS
	1615-FPCM-	*MM	FPCM - Fixed Aluminum Profile Clear Matte
	1615-FPBM-	*MM	FPBM - Fixed Aluminum Profile Black Matte
BENDABLE PROFILE			
	PART NUMBER		DETAILS
	1615-BP-	*MM	BP - Bendable Profile
	MOUNTING CLIPS¹		
	PART NUMBER		DETAILS
	1615-MC-	*MM	MC - Mounting Clips
	1. Screw not included		

* Insert length of profile selection in millimeters to match luminaire length

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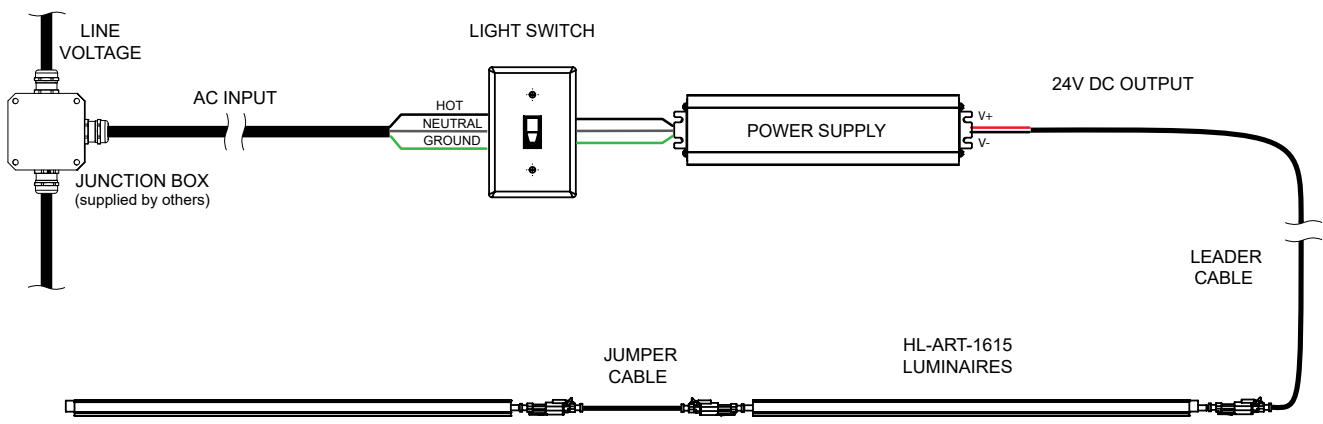


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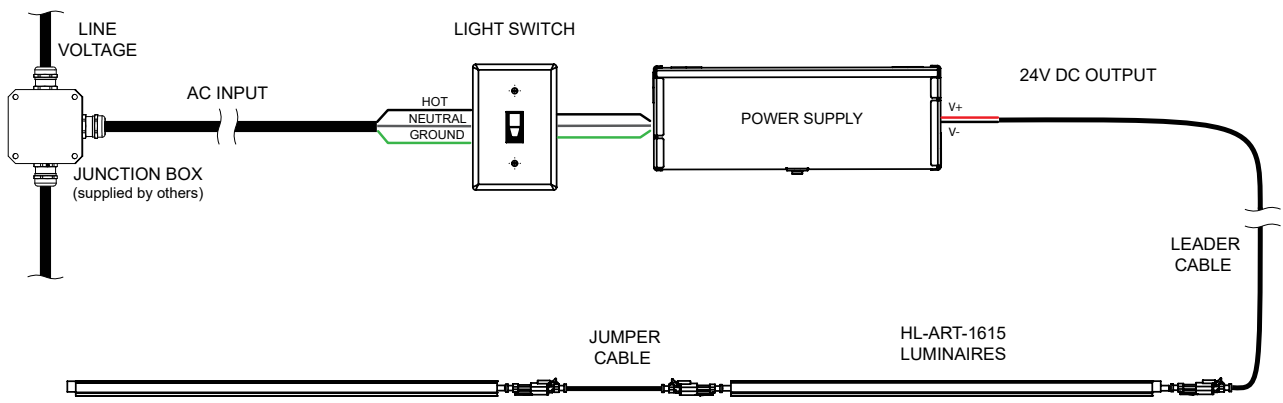
PRODUCT SPECIFICATION SHEET

WIRING DIAGRAM | NON-DIMMABLE

HL-ART-1615-MONO, TYPICAL SYSTEM DIAGRAM, POWER SUPPLY | IP66 | OUTDOORS



HL-ART-1615-MONO, TYPICAL SYSTEM DIAGRAM, POWER SUPPLY | IP20 | INDOORS



HL-ART-1615-MONO

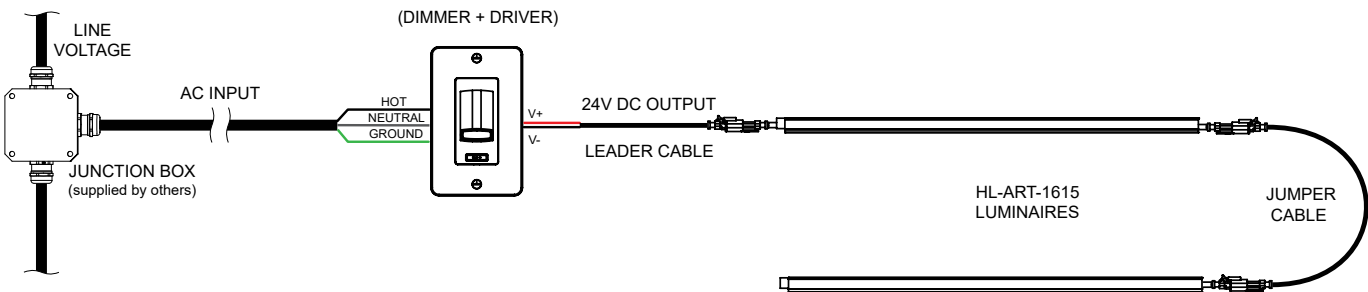


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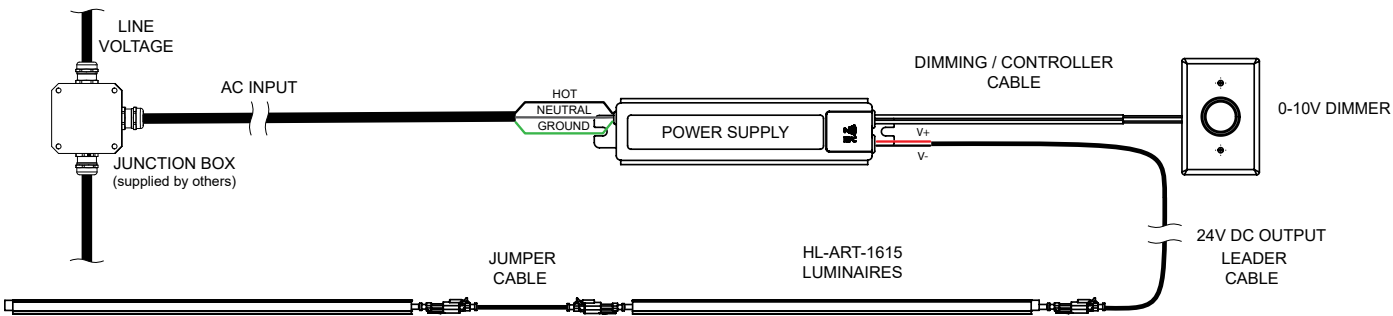
PRODUCT SPECIFICATION SHEET

WIRING DIAGRAM | DIMMABLE

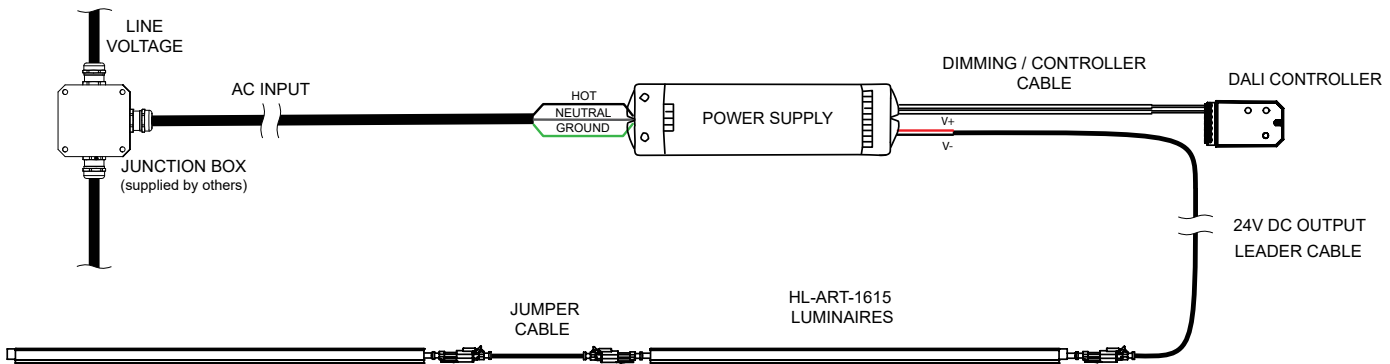
HL-ART-1615-MONO, TYPICAL SYSTEM DIAGRAM, DIMMER + DRIVER POWER SUPPLY | IP20 | INDOORS



HL-ART-1615-MONO, TYPICAL SYSTEM DIAGRAM, 0-10V DIMMING POWER SUPPLY | IP20 | INDOORS



HL-ART-1615-MONO, TYPICAL SYSTEM DIAGRAM, DALI POWER SUPPLY | IP20 | INDOORS



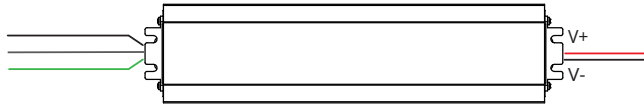
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PRODUCT SPECIFICATION SHEET

DRIVERS AND CONTROLS

IP66 | NON- DIMMING | OUTDOORS



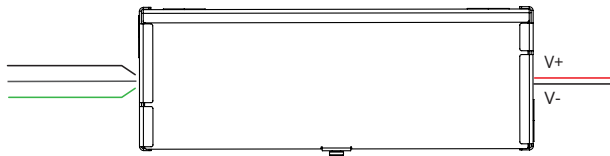
PART NUMBER

210314

DETAILS

LED DRIVER, CV, CLASS 2, NON-DIMMABLE, AC/DC, VGM100W-24, 90W, I/P 120VAC 60HZ, 1 O/P, 24VDC/0~3.75A, ALUMINUM CASE, OUTDOOR, IP66

IP20 | NON- DIMMING | INDOORS



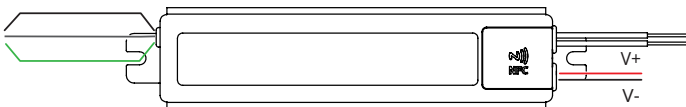
PART NUMBER

210312

DETAILS

LED DRIVER, CV, CLASS 2, NON-DIMMABLE, AC/DC, JVLM100W-24, 96W, I/P 120 & 277VAC 47-63HZ, 1 O/P, 24VDC/0~4A, IN A JUNCTION BOX, INDOOR, IP20

IP20 | DIMMING | INDOORS



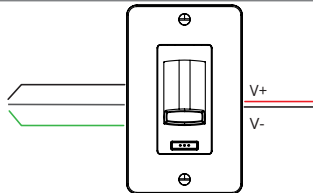
PART NUMBER

210315

DETAILS

LED DRIVER, CV, CLASS 2, DIMMABLE, 0-10V, AC/DC, VZM100W-24, 90W, I/P 120 & 277VAC 47-63HZ, 1 O/P, 24VDC/0~3.75A, ALUMINUM CASE, INDOOR, IP20

IP20 | DRIVER + DIMMER | INDOORS



PART NUMBER

210317

DETAILS

LED DRIVER, CV, WITH INTEGRATED DIMMER, AC/DC, VSW100U-24-ERP, 100W, I/P 120VAC 60HZ, 1 O/P, 24VDC/0~4.2A, FOR SINGLE GANG BOX MOUNT, INDOOR, IP20

IP20 | DALI | INDOORS



PART NUMBER

210323

DETAILS

LED DRIVER, CV, CLASS 2, DIMMABLE, DALI, AC-DC, SRP-2305-24-96W-CVF, 96W, INPUT 120 & 277VAC 50-60HZ, 1 OUTPUT, 24VDC, 0~4A, PLASTIC CASE, IP20