

HL-ART-360-3D-MONO



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

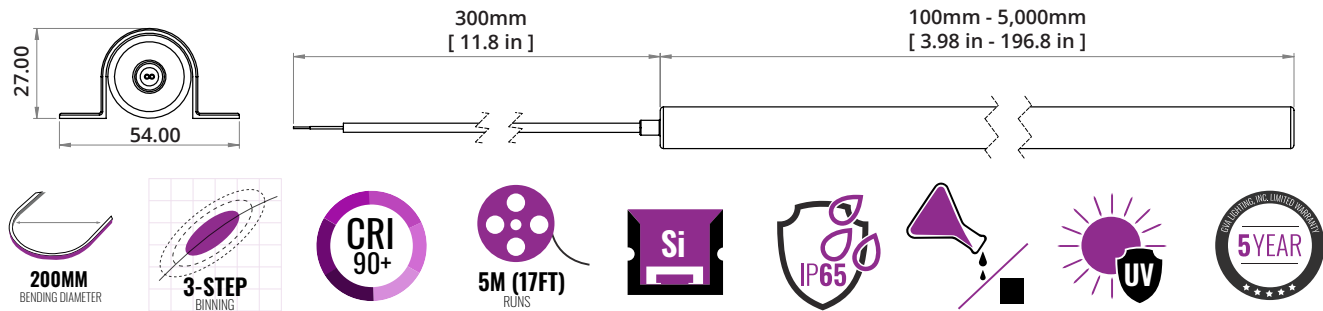
PRODUCT SPECIFICATION SHEET

DATE:

TYPE:

COMPANY:

PROJECT:



FEATURES

Physical

HL-ART-360-3D-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 profiles and mounting options, installable with a maximum vertical or horizontal bend radius of 100mm / 3.93" 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

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

SPECIFICATION LOGIC: HL-ART-360-3D-MONO						
FAMILY	POWER W/FT	NOMINAL LENGTH ^{1,2}	CCT ³	INPUT VOLTAGE	CABLE ENTRY	IP RATING
HL-ART-360-3D-MONO	1.5W/FT 3.1W/FT	Min length - 100mm Maximum length - 5,000mm Increments available - 50mm	2200K	24VDC	FF - Front + Front FX - Front + Closed	IP65
			2700K			
			3000K			
			3500K			
			4000K			
			5000K			
			6500K			
			RD - Red			
			AM - Amber			
			GR - Green			
			BL - Blue			
			PK - Pink			
			YL - Yellow			





Order example: HL-ART-360-3D-MONO-1.5W/FT-3150MM-3000K-24VDC-FF-IP65

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		1.5W/ft	3.1W/ft
	Power Consumption ¹	5W/m (1.5W/ft)	10W/m (3.1W/ft)
	Voltage	24VDC (23.5Vmin, 24.5Vmax)	
Physical	Minimum Length	100mm	100mm
	Size	25mm diameter	
	Body Finish	Premium Dow silicone encapsulation, white	
	Bend Direction	Vertical & Horizontal	
	Bend Radius	100mm / 3.93"	
	Cable Entry Options	Front	
	Fixture Connections	IP65 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)	87	161
	Efficacy @ 3000K(lm/W)	60	56
	Projected Lumen Maintenance	L70B10 > 54,000 hours	
	Surface Brightness (cd/m²)	976	1446

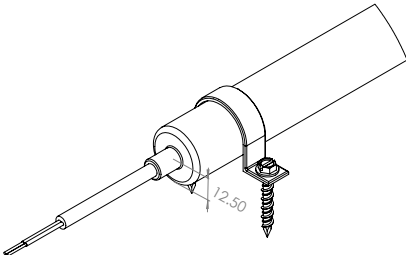
1. Due to tolerances of the electronic components, light output and electrical power can vary up to 10%.

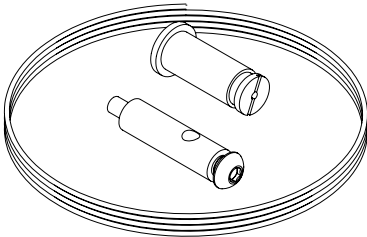
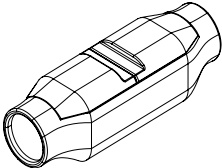
Temperature Range	Storage Temperature	-25°C / -13°C to 60°F / 140°F	
	Max Ambient Temperature	55°C / 131°F	45°C / 113°F
	Min Ambient Temperature	-25°C / -13°F	
Certification & Safety	IES Classifications	Classification (III)	
		RoHs, CE, REACH, UL, IK08, IP65	
	Certifications	   	
	Environment	Dry, damp or wet locations, 0-100% humidity	

MAXIMUM RUN LENGTHS			
HL-ART-360-3D-MONO		Low	Standard
	Power	5W/m (1.5W/ft)	10W/m (3.1W/ft)
	Max Length	5m/17ft	5m/17ft

CABLE ENTRY OPTION EXAMPLES

F - FRONT



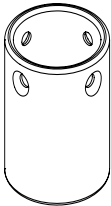





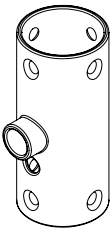

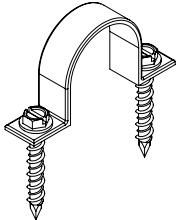
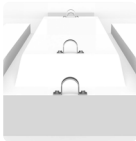

ACCESSORIES		
	PART NUMBER	DETAILS
	125261	SUSPENSION HARDWARE, KIT, HL-ART-360-3D, SILVER
	232219	HL-ART, CONN, TE, WIRE TO WIRE, SERVICE, FEMALE, 4P, 6.2A, 18AWG232219 - CONN, TE, WIRE TO WIRE, SERVICE, FEMALE, 4P, 6.2A, 18AWG

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PROFILES AND MOUNTING OPTIONS		
END CAP WHITE PLASTIC		
	PART NUMBER	
	DETAILS	
	360-3D-	QTY
	End Cap White Plastic	
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END JOINER WHITE PLASTIC		
	PART NUMBER	
	DETAILS	
	360-3D-	QTY
	End Joiner White Plastic	
<div></div>		
MOUNTING CLIP CLEAR PLASTIC ¹		
	PART NUMBER	
	DETAILS	
	360-3D-	*MM
	Mounting Clip Clear Plastic	
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1. Screw not included		

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

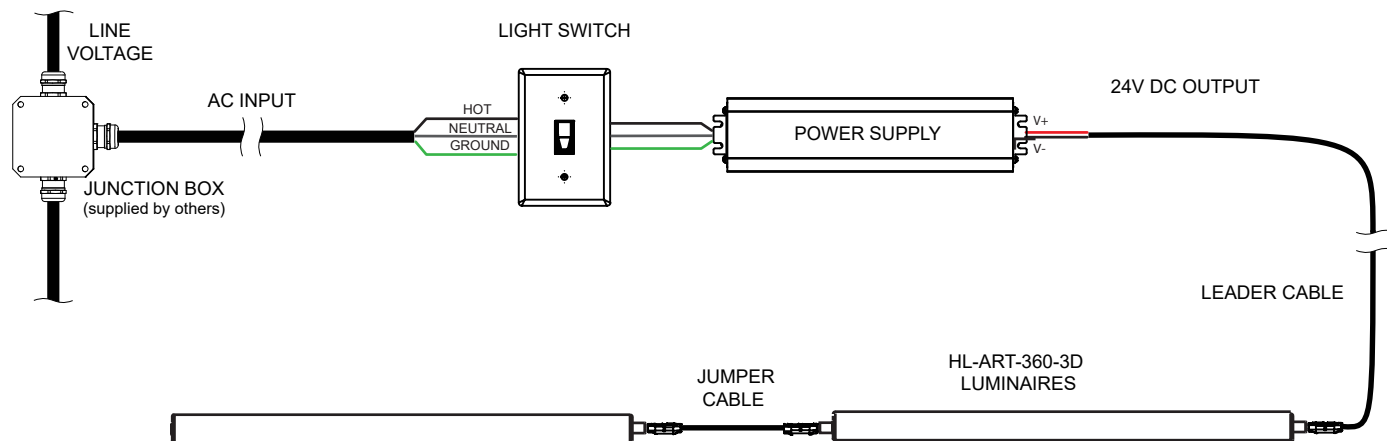
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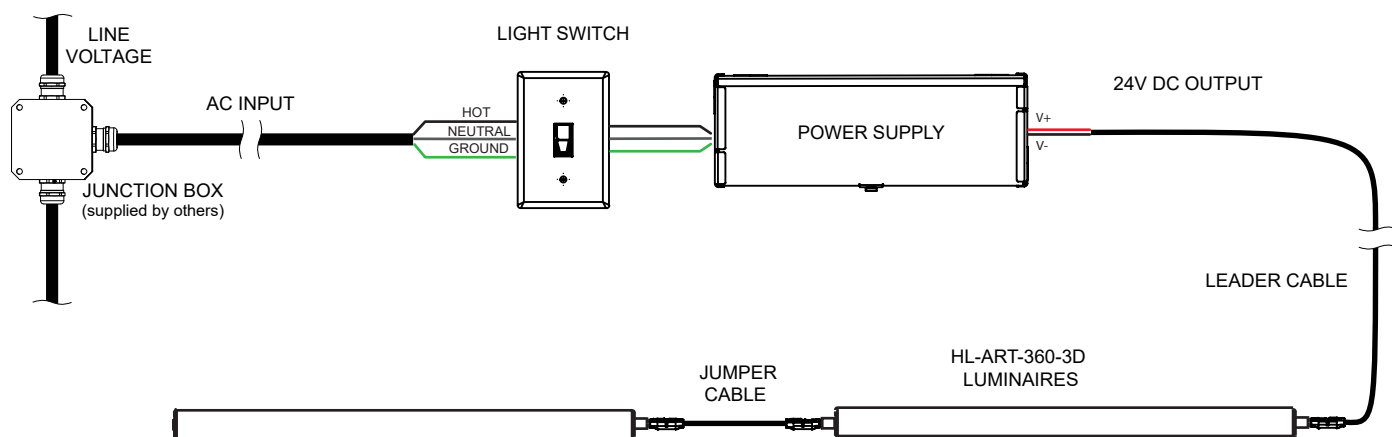
PRODUCT SPECIFICATION SHEET

WIRING DIAGRAM | NON-DIMMABLE

HL-ART-360-3D-MONO, TYPICAL SYSTEM DIAGRAM, POWER SUPPLY | IP65 | OUTDOORS



HL-ART-360-3D-MONO, TYPICAL SYSTEM DIAGRAM, POWER SUPPLY | IP20 | INDOORS



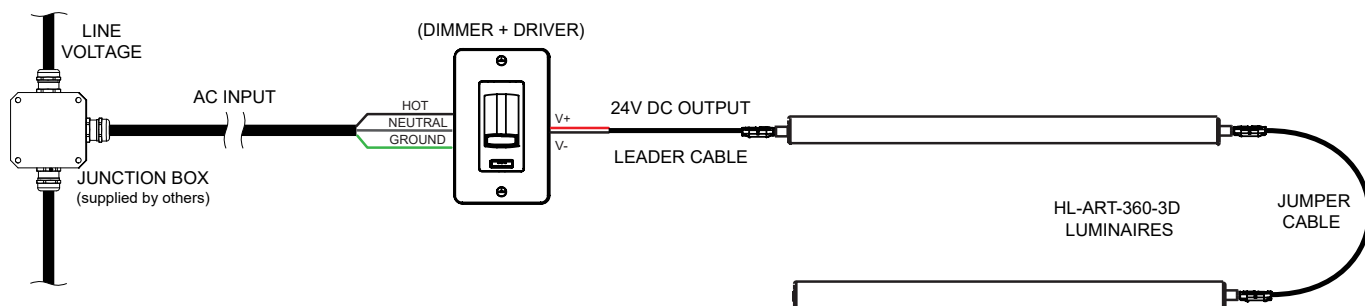
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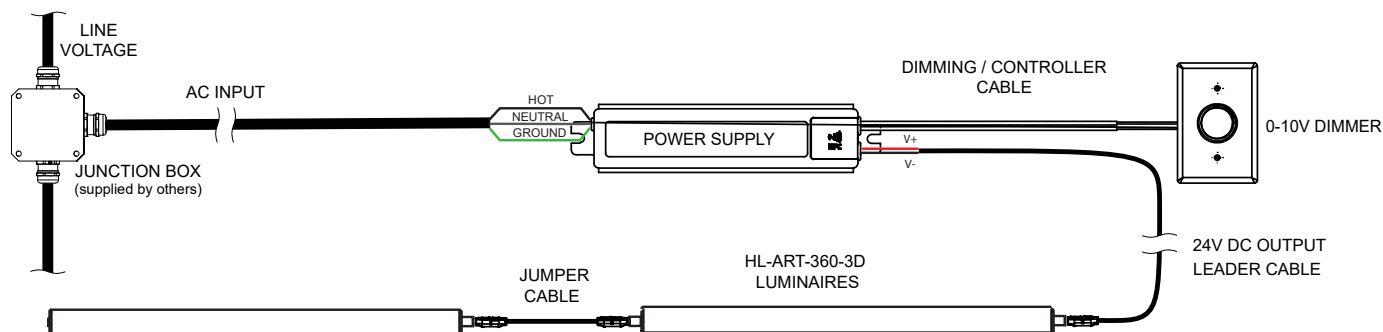
PRODUCT SPECIFICATION SHEET

WIRING DIAGRAM | DIMMABLE

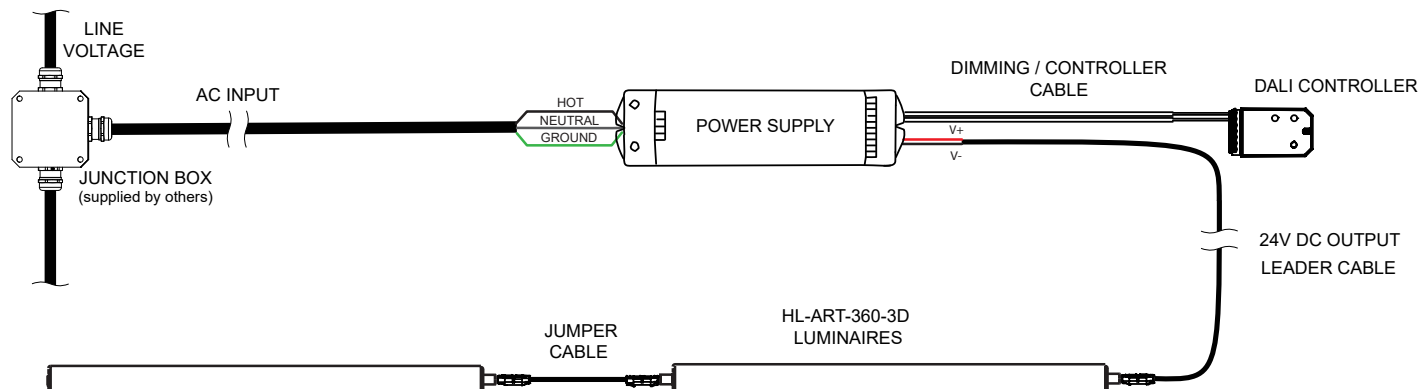
HL-ART-360-3D-MONO, TYPICAL SYSTEM DIAGRAM, DIMMER + DRIVER POWER SUPPLY | IP20 | INDOORS

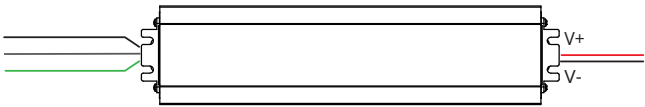
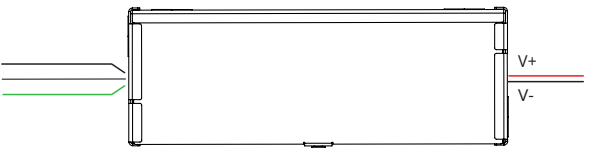
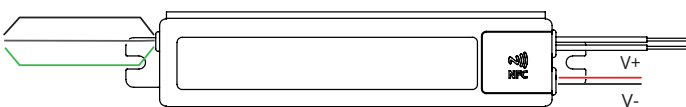
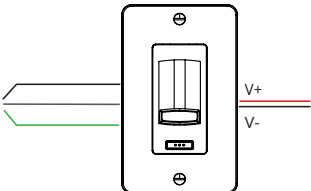



HL-ART-360-3D-MONO, TYPICAL SYSTEM DIAGRAM, 0-10V DIMMING POWER SUPPLY | IP20 | INDOORS



HL-ART-360-3D-MONO, TYPICAL SYSTEM DIAGRAM, DALI POWER SUPPLY | IP20 | INDOORS



DRIVERS AND CONTROLS		
IP66 NON- DIMMING OUTDOORS		
	PART NUMBER	DETAILS
	210314	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	DETAILS
	210312	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	DETAILS
	210315	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	DETAILS
	210317	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	DETAILS
	210323	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