

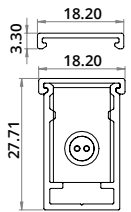
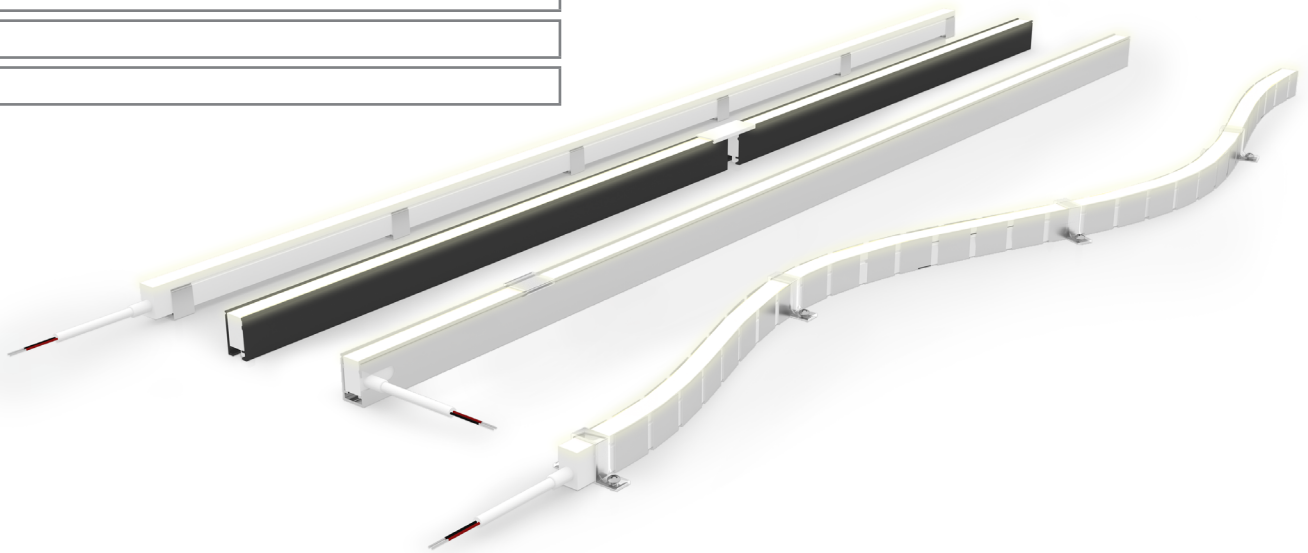
HL-ART-1220-MONO



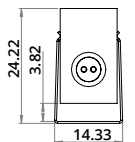
Specification-Grade, Direct-View, Monochromatic LED System for Architectural Delineation

PRODUCT SPECIFICATION SHEET

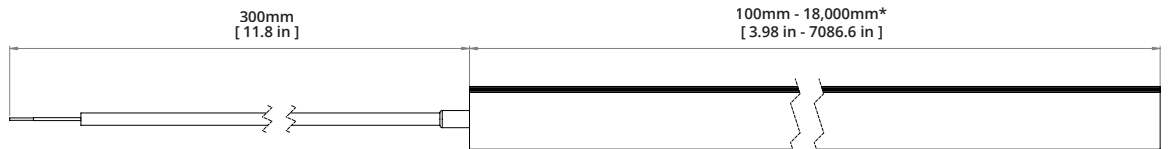
DATE:	
TYPE:	
COMPANY:	
PROJECT:	



FIXED PROFILE



MOUNTING CLIP



* Upto 18,000mm in low power only



240MM
HORIZONTAL BENDING DIAMETER



3-STEP
BINNING



CRI
90+



18M (60FT)
RUNS (5W)



Si



IP67



WARNING



UV



5 YEAR
LIMITED WARRANTY

FEATURES

Physical

HL-ART-1220-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 horizontal 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

HL-ART-1220-MONO



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SPECIFICATION LOGIC: HL-ART-1220-MONO

FAMILY	POWER W/FT	NOMINAL LENGTH ^{1,2}	CCT ³	INPUT VOLTAGE	CABLE ENTRY	IP RATING
HL-ART-1220-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-1220-MONO -1.5W/FT-3150MM-3000K-24VDC-FF-IP67

PRODUCT CONFIGURATION

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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





		Low	Standard	High
Electrical	Power Consumption ¹	5W/m (1.5W/ft)	10W/m (3.1W/ft)	15W/m (4.6W/ft)
	Voltage	24VDC (23.5Vmin, 24.5Vmax)		
Physical	Minimum Length	100mm	100mm	100mm
	Height x Width	12mm x 20mm / 0.47" x 0.79" (W x H)		
	Body Finish	Premium Dow silicone encapsulation, white		
	Bend Direction	Horizontal		
	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)	48	106	150
	Efficacy @ 3000K(lm/W)	30	35	32
	Projected Lumen Maintenance	L70B10 > 54,000 hours		
	Surface Brightness (cd/m ²)	2125	4305	5966

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

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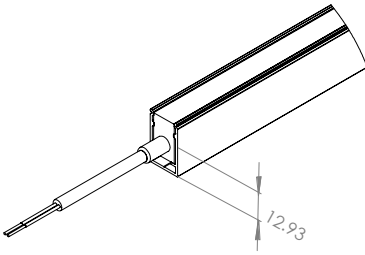
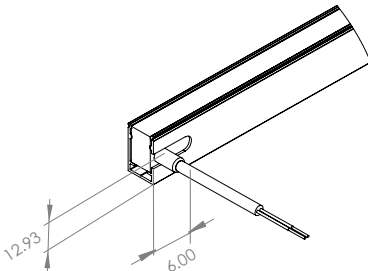
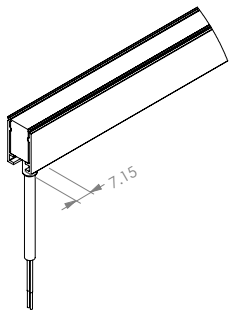
PRODUCT SPECIFICATION SHEET

Temperature Range	Storage Temperature	-25°C / -13°F 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		

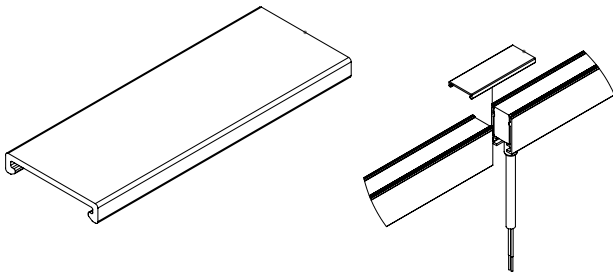
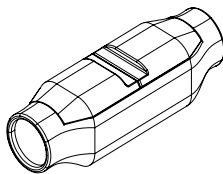
MAXIMUM RUN LENGTHS

HL-ART-1220-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

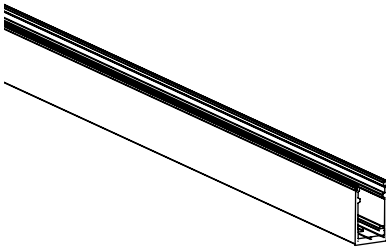

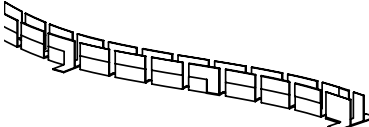

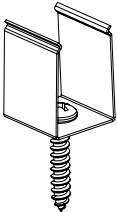

	PART NUMBER	DETAILS
	243202	HL-ART, JOINER CAP, PMMA, TRANSLUCENT WHITE
	232219	HL-ART, CONN, TE, WIRE TO WIRE, SERVICE, FEMALE, 4P, 6.2A, 18AWG

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PRODUCT SPECIFICATION SHEET

PROFILES AND MOUNTING OPTIONS			
FIXED ALUMINUM CLEAR/BLACK MATTE			
	PART NUMBER		DETAILS
	1220-FPCM-	*MM	FPCM - Fixed Aluminum Profile Clear Matte
	1220-FPBM-	*MM	FPBM - Fixed Aluminum Profile Black Matte
			
BENDABLE PROFILE			
	PART NUMBER		DETAILS
	1220-BP-	*MM	BP - Bendable Profile
			
	MOUNTING CLIPS¹		
	PART NUMBER		DETAILS
	1220-MC-	*MM	MC - Mounting Clips
			
	1. Screw not included		

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

HL-ART-1220-MONO

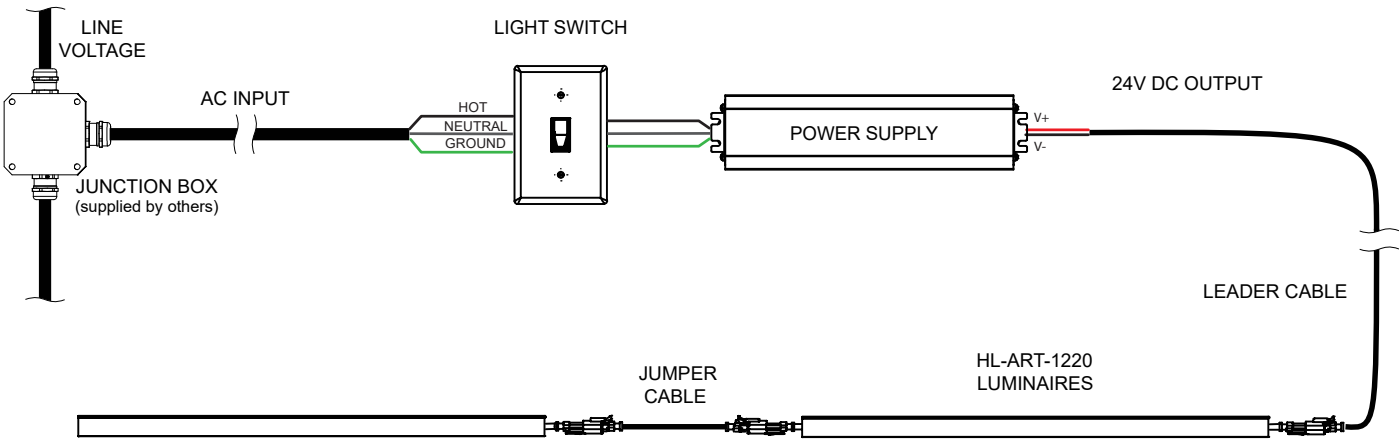


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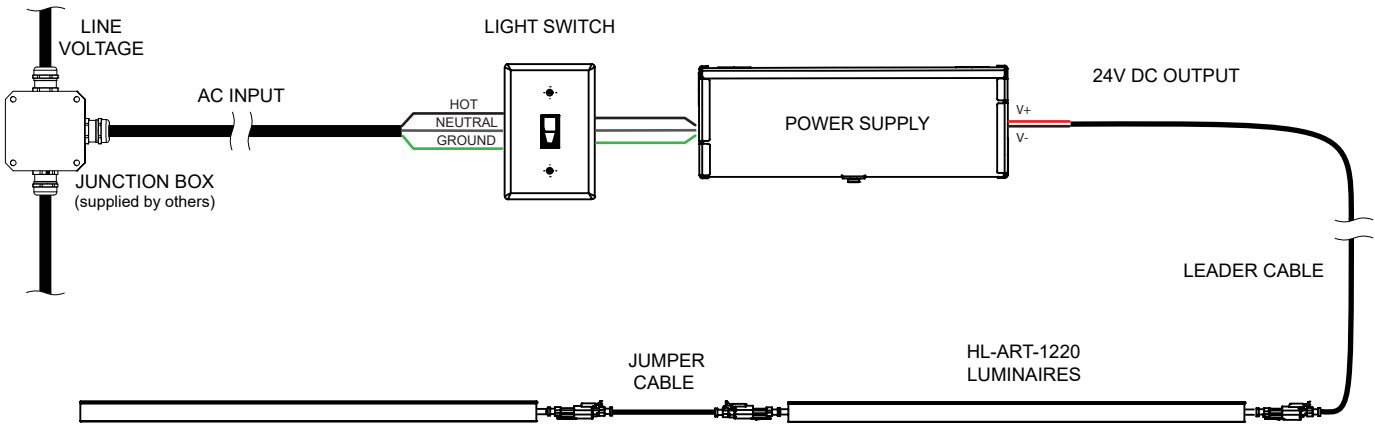
PRODUCT SPECIFICATION SHEET

WIRING DIAGRAM | NON-DIMMABLE

HL-ART-1220-MONO, TYPICAL SYSTEM DIAGRAM, POWER SUPPLY | IP66 | OUTDOORS



HL-ART-1220-MONO, TYPICAL SYSTEM DIAGRAM, POWER SUPPLY | IP20 | INDOORS



HL-ART-1220-MONO

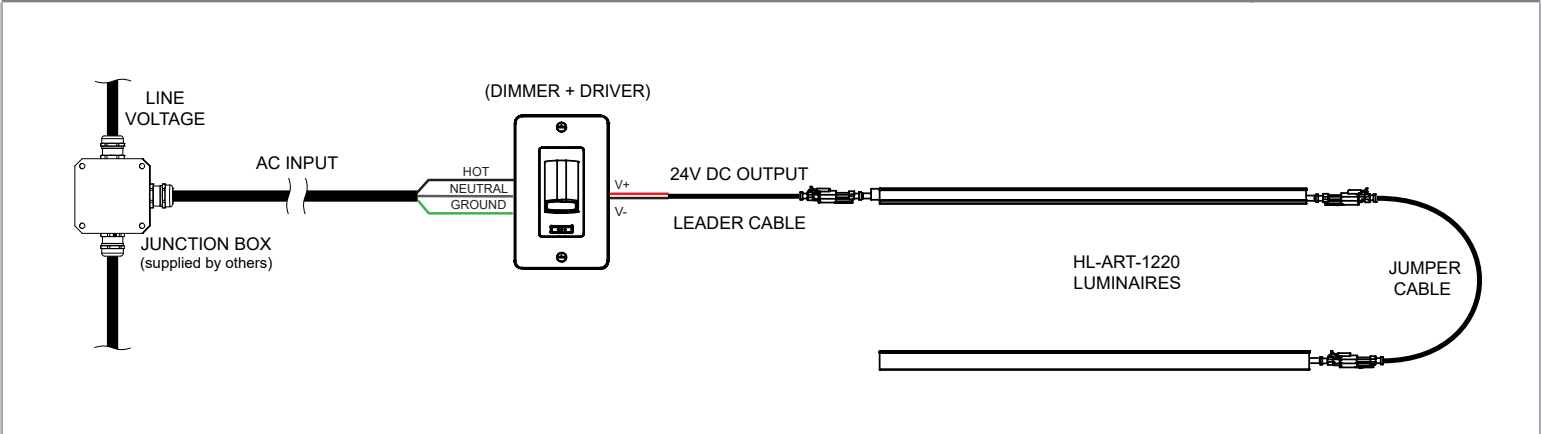


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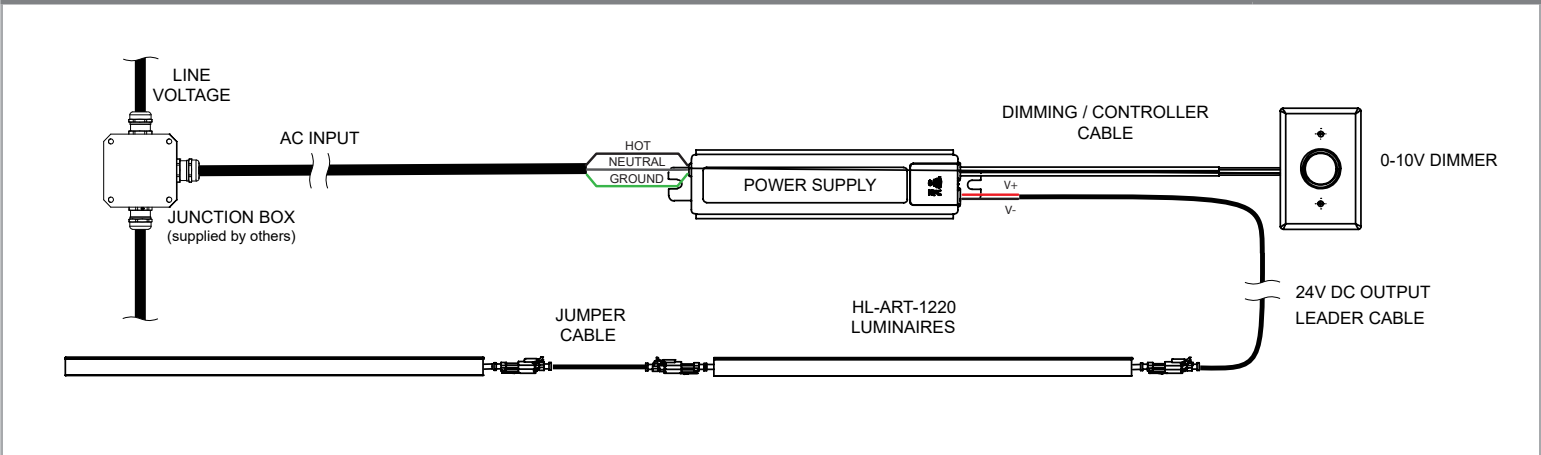
PRODUCT SPECIFICATION SHEET

WIRING DIAGRAM | DIMMABLE

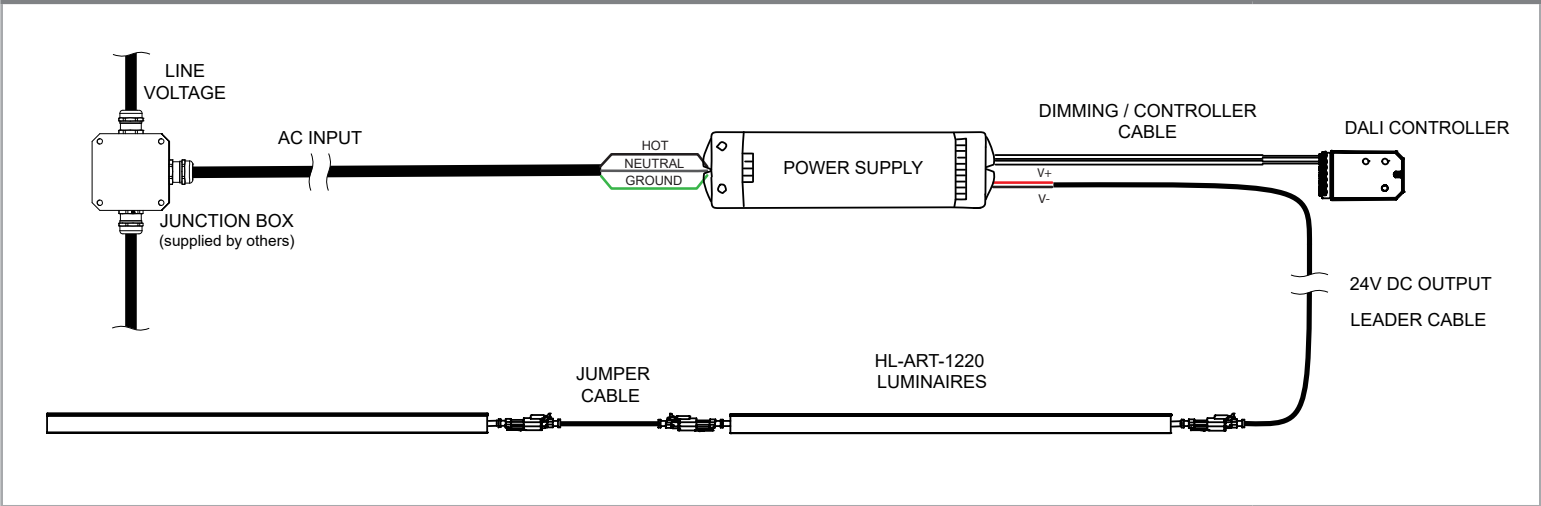
HL-ART-1220-MONO, TYPICAL SYSTEM DIAGRAM, DIMMER + DRIVER POWER SUPPLY | IP20 | INDOORS



HL-ART-1220-MONO, TYPICAL SYSTEM DIAGRAM, 0-10V DIMMING POWER SUPPLY | IP20 | INDOORS



HL-ART-1220-MONO, TYPICAL SYSTEM DIAGRAM, DALI POWER SUPPLY | IP20 | INDOORS



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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