# HL-ART-3020-WHT

GVA LIGHTING

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

| DATE: | |
|---|---|
| TYPE: | |
| COMPANY: | |
| PROJECT: | |



**FIXED PROFILE / MOUNTING CLIP PROFILE**

35.50
3.30
33.75
26.61

300mm
[ 11.8 in ]

100mm - 5,000mm
[ 3.98 in - 196.8 in ]
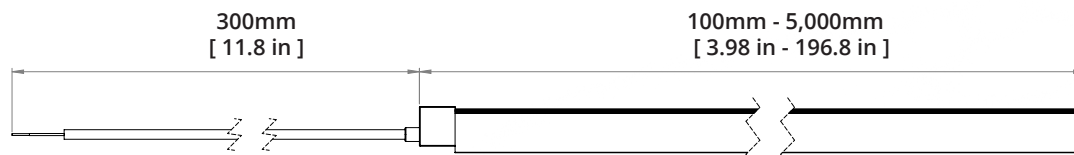
**150MM** VERTICAL BENDING DIAMETER

**3-STEP** BINNING

**CRI 90+**
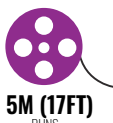
**5M (17FT)** RUNS

**Si**

**IP67**

**UV**

**5 YEAR**

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## FEATURES

**Physical**

**HL-ART-3020-WHT** 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 150mm / 5.91" 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**

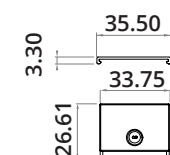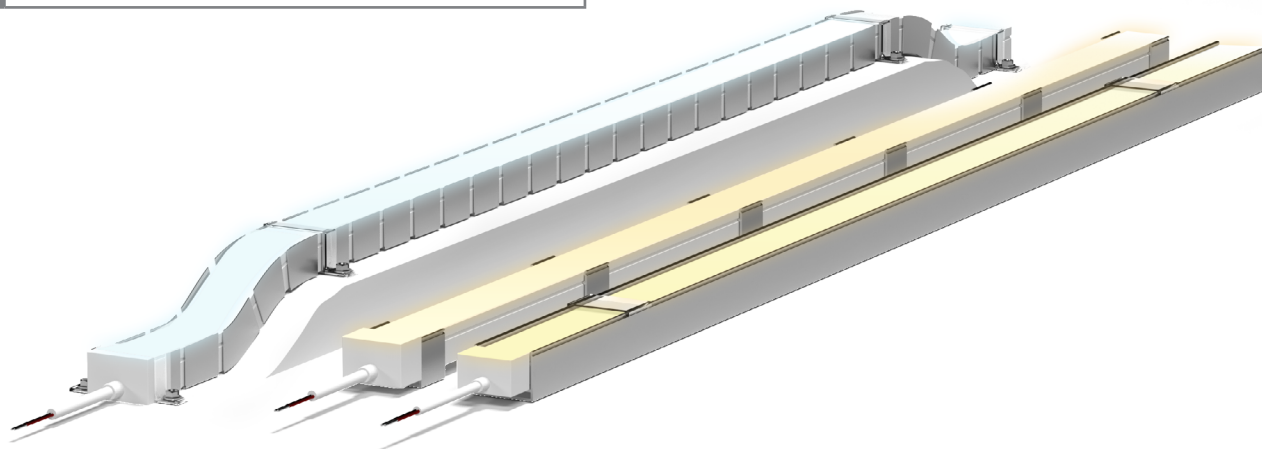Long lifetime expectancy of L70B10 > 54,000 hours with five-year limited warranty

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## SPECIFICATION LOGIC: HL-ART-3020-WHT

| FAMILY | POWER W/FT | NOMINAL LENGTH[1,2] | CCT[3] | INPUT VOLTAGE | CABLE ENTRY | IP RATING |
|---|---|---|---|---|---|---|
| HL-ART-3020-WHT | 5.8W/FT | Min length - **100mm**<br>Maximum length - **5,000mm**<br>Increments available - **50mm** | 2200K<br>2700K<br>3000K<br>3500K<br>4000K<br>5000K<br>6500K | 24VDC | **FF** - Front + Front<br>**FX** - Front + Closed | IP67 |

Order example: **HL-ART-3020-WHT-5.8W/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

| | | 5.8W/ft |
|---|---|---|
| **Electrical** | Power Consumption[1] | 19W/m (5.8W/ft) |
| | Voltage | 24VDC (23.5Vmin, 24.5Vmax) |
| **Physical** | Minimum Length | 100mm |
| | Height x Width | 30mm x 20mm / 1.18" x 0.79" (W x H) |
| | Body Finish | Premium Silicone Encapsulation, white |
| | Bend Direction | Vertical |
| | Bend Radius | 150mm / 5.91" |
| | Cable Entry Options | Front |
| | 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) | 327 |
| | Efficacy @ 3000K(lm/W) | 56 |
| | Projected Lumen Maintenance | L70B10 > 54,000 hours |
| | Surface Brightness (cd/m²) | 13308 |

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

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| Temperature Range | Storage Temperature | -25°C / -13°C to 65°F / 149°F |
|---|---|---|
| | Max Ambient Temperature | 45°C / 113°F |
| | Min Ambient Temperature | -25°C /-13°F |
| Certification & Safety | IES Classifications | Classification (III) |
| | Certifications | RoHs, CE, REACH,UL, IP67 |
| | Environment | Dry, damp or wet locations, 0-100% humidity |

## MAXIMUM RUN LENGTHS

| HL-ART-3020-WHT | | Standard |
|---|---|---|
| | Power | 19W/m (5.8W/ft) |
| | Max Length | 5m/17ft |

## CABLE ENTRY OPTION EXAMPLES

### F - FRONT



6.75
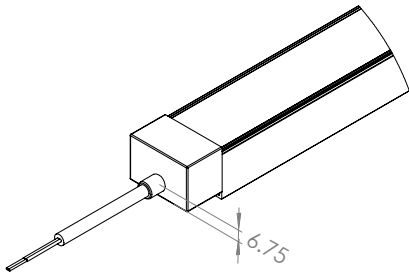
## ACCESSORIES
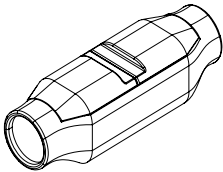


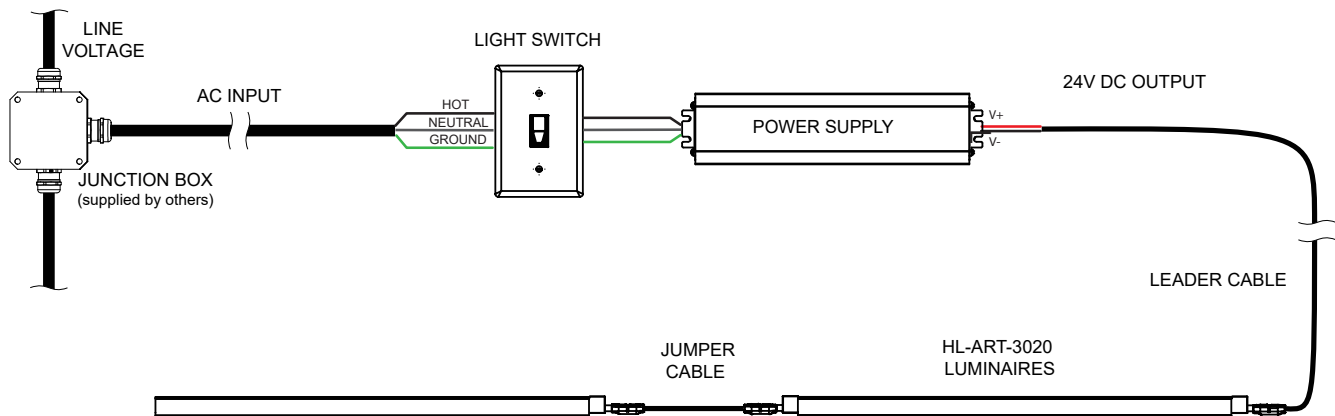| 232219 | HL-ART, CONN, TE, WIRE TO WIRE, SERVICE, FEMALE, 4P, 6.2A, 18AWG232219 - CONN, TE, WIRE TO WIRE, SERVICE, FEMALE, 4P, 6.2A, 18AWG |
|---|---|

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## PROFILES AND MOUNTING OPTIONS

### FIXED ALUMINUM CLEAR/BLACK MATTE

| PART NUMBER | | DETAILS |
|---|---|---|
| 3020-FPCM- | *MM | **FPCM -** Fixed Aluminum Profile Clear Matte |
| 3020-FPBM- | *MM | **FPBM -** Fixed Aluminum Profile Black Matte |

### BENDABLE PROFILE

| PART NUMBER | | DETAILS |
|---|---|---|
| 3020-BP- | *MM | **BP** - Bendable Profile |

### MOUNTING CLIPS[1]

| PART NUMBER | | DETAILS |
|---|---|---|
| 3020-MC- | *MM | **MC** - Mounting Clips |

1. Screw not included

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

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**GVA LIGHTING**

## WIRING DIAGRAM | NON-DIMMABLE

### HL-ART-3020-WHT, TYPICAL SYSTEM DIAGRAM, POWER SUPPLY | IP66 | OUTDOORS
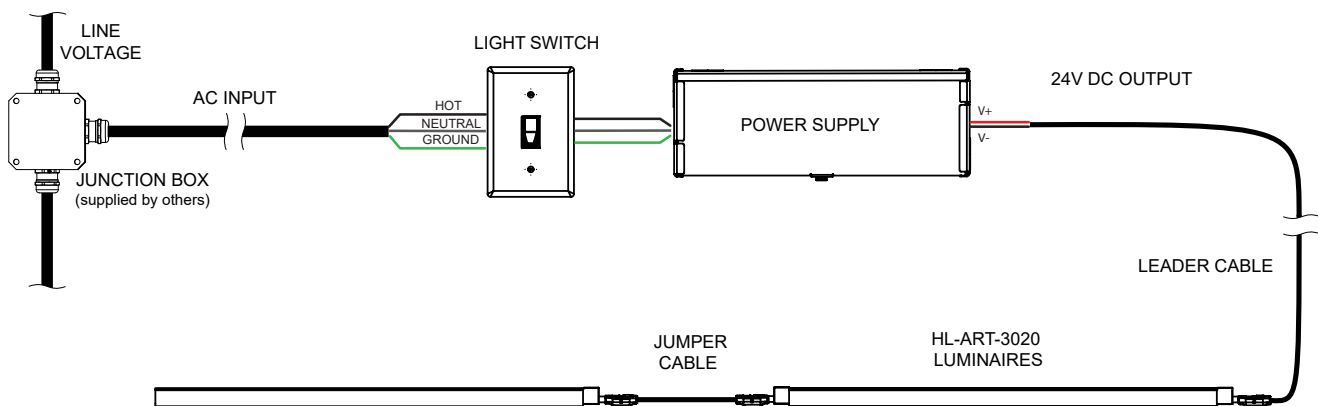
LINE VOLTAGE

LIGHT SWITCH

24V DC OUTPUT

AC INPUT

HOT
NEUTRAL
GROUND

POWER SUPPLY

V+
V-

JUNCTION BOX
(supplied by others)

LEADER CABLE

JUMPER CABLE

HL-ART-3020 LUMINAIRES

### HL-ART-3020-WHT, TYPICAL SYSTEM DIAGRAM, POWER SUPPLY | IP20 | INDOORS

LINE VOLTAGE

LIGHT SWITCH

24V DC OUTPUT

AC INPUT

HOT
NEUTRAL
GROUND

POWER SUPPLY

V+
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JUNCTION BOX
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LEADER CABLE

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HL-ART-3020 LUMINAIRES

# HL-ART-3020-WHT

GVA
LIGHTING

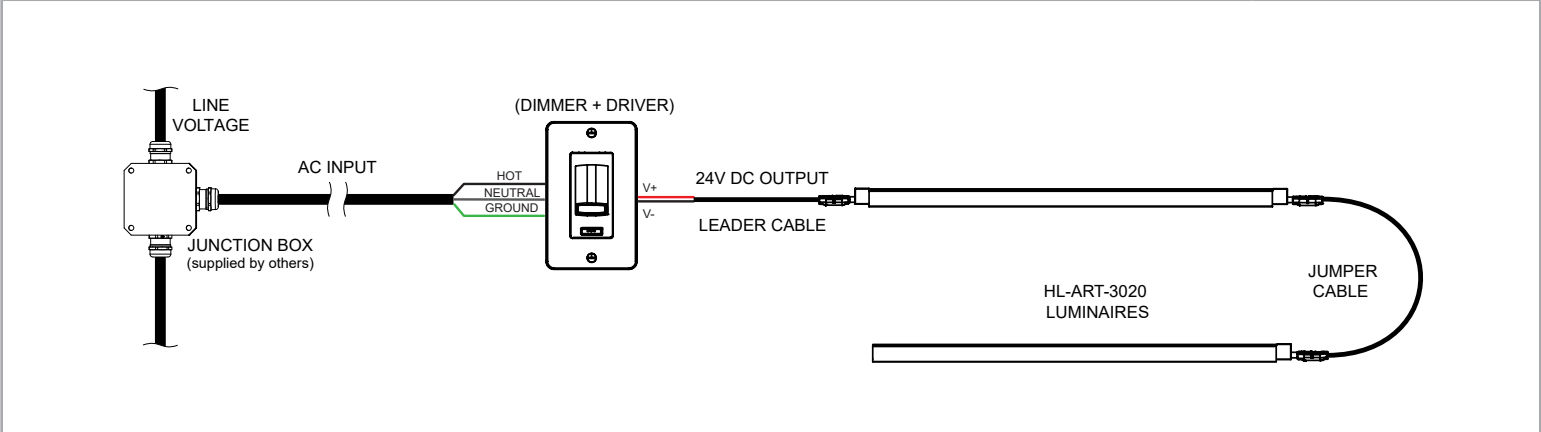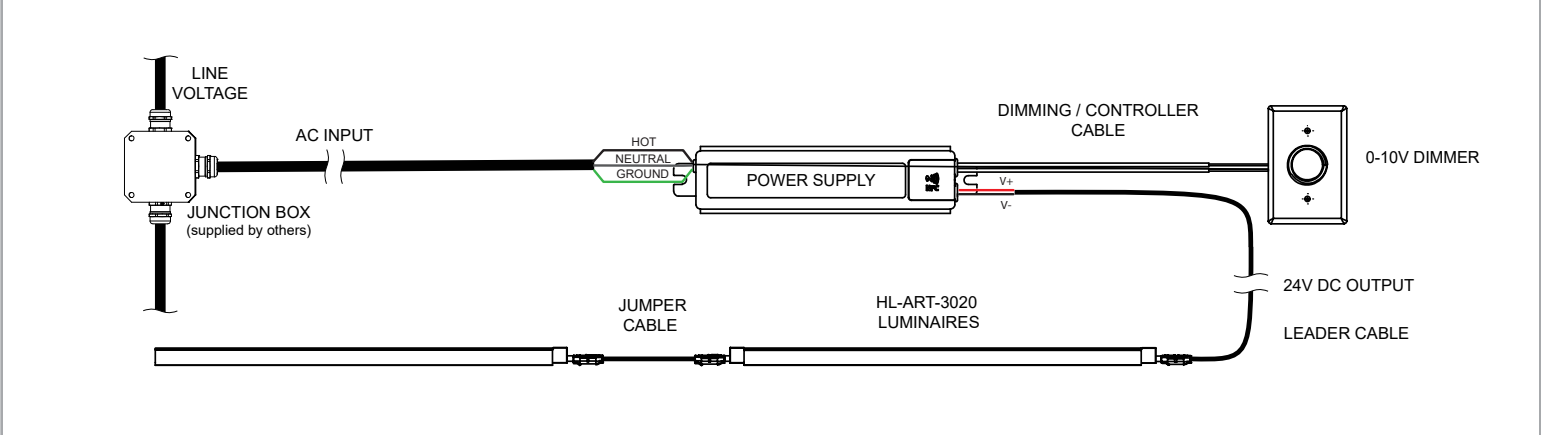**Specification-Grade, Direct-View, Monochromatic LED System for Architectural Delineation**

PRODUCT SPECIFICATION SHEET
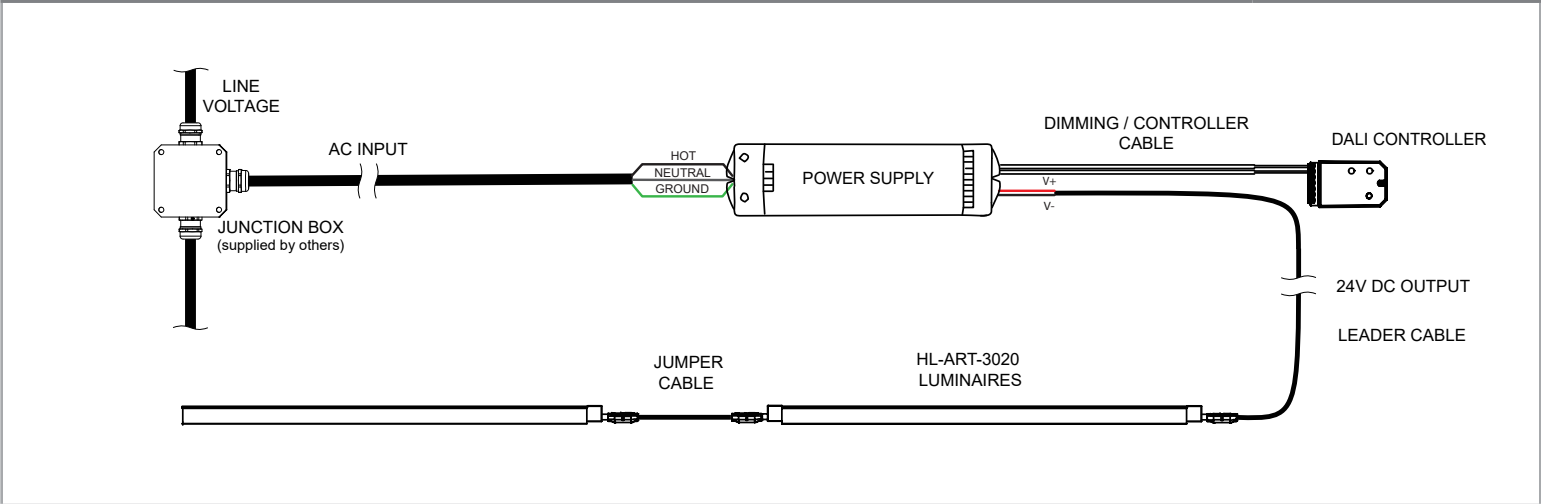
## WIRING DIAGRAM | DIMMABLE

### HL-ART-3020-WHT, TYPICAL SYSTEM DIAGRAM, DIMMER + DRIVER POWER SUPPLY | IP20 | INDOORS



### HL-ART-3020-WHT, TYPICAL SYSTEM DIAGRAM, 0-10V DIMMING POWER SUPPLY | IP20 | INDOORS



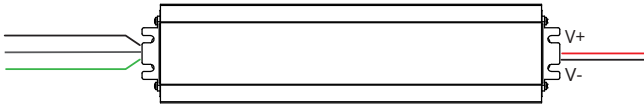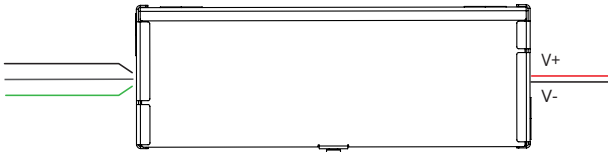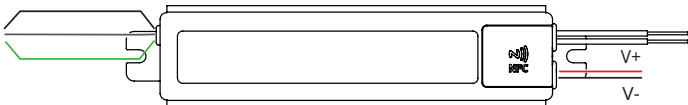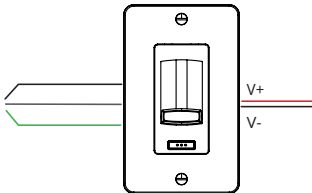### HL-ART-3020-WHT, TYPICAL SYSTEM DIAGRAM, DALI POWER SUPPLY | IP20 | INDOORS

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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 |