



Designed and constructed for performance, the wall mount G431-LED Melia provides diffuse illumination in either brass or powder coated aluminium housing. This luminaire features new Lumascope d5 driver technology for advanced dimming and control options.

Performance

Static White & Colour	Lumen Output (lm)	Efficacy (lm/W)	Peak Intensity (cd)
● 3,000 K (80 CRI)	86	24	37
● 4,000 K (80 CRI)	84	23	37
● Blue (470nm)	-	-	-

Static white lumen output values are based on 3W luminaire.

<b>Beam Angles</b>	Flood
--------------------	-------

Electrical

<b>LED Power</b>	3W
<b>Consumption</b>	3.6W
<b>Input Voltage</b>	Low Voltage 24V DC

Control

<b>Protocols</b>	PWM (0-10V to PWM, DMX to PWM and DALI to PWM converters available)
------------------	---

Physical

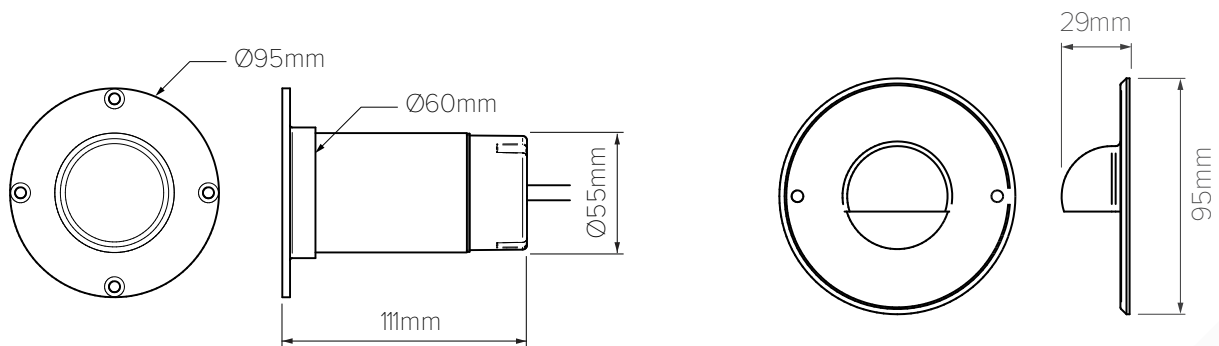
<b>Housing</b>	Polished copper / brass or powder coated aluminium
<b>Installation</b>	Recessed wall mount
<b>Ambient Operating Temperature</b>	-20°C to +40°C (-4°F to 104°F)
<b>Surface Temperature</b>	≤65°C (≤149°F) <b>HumanTouch™</b> Compliant

Certification & Compliance

<b>IP Rating</b>	IP65
<b>Certifications</b>	CE, RCM



Luminaire Dimensions



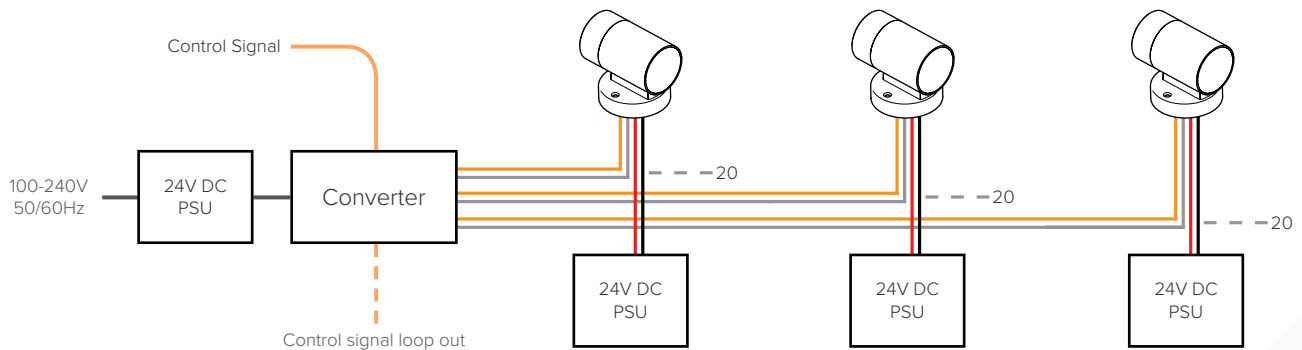
G603 Hood Accessory

Order separately

G431-LED		3		D			
<b>Power</b>	<b>Code</b>	<b>Static White &amp; Colour</b>	<b>Code</b>	<b>Input Voltage (International)</b>	<b>Code</b>	<b>Finish</b>	<b>Code</b>
3W	3	2,700 K (80 CRI)	D7	PWM Dimmable Driver, 24V DC	D <sup>(1)</sup>	Polished Brass	PB
		3,000 K (80 CRI)	H6	(1) Requires appropriate power supply		Black	BL
		4,000 K (80 CRI)	W4			Anthracite Grey	AG
		Blue (470nm typical)	B4			Basalt Grey	BT
						Anodic Silver	SL
						White	WT
						Dark Bronze	DB
						Latte	LT
						Dark Aluminum	DA

Other finishes available on request. Minimum order quantities apply.

**Wiring Diagram - Static Colour (DMX / DALI)**



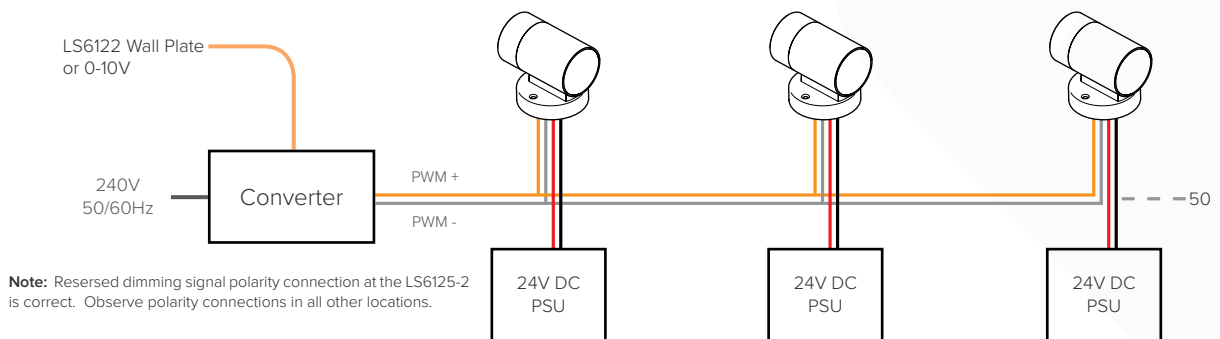
**Control Protocols**

- DMX** For DMX control signal, use LS67100 DMX to PWM converter
- DALI** For DALI control signal, use LSLED-RGBDIM-DALI converter

**Up to 20 luminaires per run under the following conditions:**

- Up to three (3) individually addressed dimmable channels
- Up to 20 luminaires per dimmable channel
- Luminaires driven by integral LED drivers
- Luminaires powered through individual power supplies or
- Luminaires powered through LS67100 PWM controller only (up to 100W total)
- Refer to 'Maximum Circuit Load' table for circuit limitations
- Always observe local electrical codes for branch circuit current limitations

**Wiring Diagram - Static Colour (0-10V)**



**Control Protocols**

- 0-10V** For 0-10V control signal, use LS6125-2 0-10V to PWM converter

**Up to 50 luminaires per run under the following conditions:**

- Stand alone static colour dimming solution
- Up to 50 luminaires dimmed together
- Luminaires driven by integral LED drivers using LS6122 wall plate dimmer
- Luminaires powered through individual or shared power supplies
- Refer to 'Maximum Circuit Load' table for circuit limitations
- Always observe local electrical codes for branch circuit current limitations

**Maximum Circuit Load**

Compatibility with each driver is indicated by the value shown in the table, representing the maximum number of luminaires that may be powered from each driver based on a maximum cable run of 100m (328ft) and a trunk cable size of 3.3mm<sup>2</sup>. Please note, this does not take into consideration voltage drop beyond a distance of 100m or ampacity limits of the branch circuit. For assistance, please consult factory.

LSLED-24V Power Supplies	
Input Voltage	100-240V, 50/60Hz
Output Voltage	24V DC
Wattage	100W
G431-LED, 3W	18

NOTE: The above diagrams are intended to show electrical pathways between luminaires and ancillary device. These diagrams are not intended to show type or colour of cord / wire, luminaire input voltage rating, wire gauge or approved use of the cord / wire supplied with luminaires.

**Power Supply Specifications**

## DC Power Supplies

## LSLED-24V100W240

## 24V DC Ripple Free Power Supply

Input	170-250V AC, 50/60Hz
Output	100W, 24V DC, 4.2A
Ambient Temperature Rating	-10°C to 50°C
Compliance	IEC61347-2-13, CE
IP Rating	IP66
Short Circuit Protection	Yes
Open Circuit Protection	Yes
Protection Class	Class II CE

## LSLED-24V150W240

## 24V DC Ripple Free Power Supply

Input	90-305V AC, 50/60Hz
Output	150W, 24V DC, 6.3A
Ambient Temperature Rating	-10°C to 50°C
Compliance	IEC61347-2-13, CE
IP Rating	IP66
Short Circuit Protection	Yes
Open Circuit Protection	Yes
Protection Class	Class II CE

## LSLED-24V40W240

## Electronic DC Power Supply - wall mounted

Input	100-240V AC, 50/60Hz
Rating	40W / 1.67A
Output	24V
Ambient Temperature Rating	-25°C to 60°C (-13°F to 140°F)
Output Circuits	1
Approvals	CE, EN60950-1, EN61347-2-13
IP Rating	IP65/67
Dimensions	H 171mm W 62mm L 37mm (H 6.7" / W 2.4" / L 1.5")
Weight	0.7kg (1.6lb)

**Control Related Equipment**

## LS6125-2

## 0-10V to PWM translator - wall mounted

Input	100-240V AC, 50/60Hz
Rating	20W / 0.83A
Output	24V
Ambient Temperature Rating	-10°C to 50°C
Open Circuits	1
Control Protocol	0-10V
Approvals	CE
IP Rating	IP65/67
Dimensions	H 204mm W 166mm L 91mm (H 8.0" / W 6.5" / L 3.6")
Weight	0.5kg (1.1lb)

## LS67100

## DMX to PWM translator

Input	24V DC
Rating	4 x 60W max
Output	4 x 2.5A max
Open Circuits	4
Approvals	CE, UL
IP Rating	IP65
Dimensions	H 286mm W 117mm L 82mm (H 11.25" / W 4.6" / L 3.2")
Weight	0.2kg (0.5lb)

**Control Related Equipment cont...**

## LSLED-RGBDIMDALI

## DALI converter

<b>Input</b>	24V DC
<b>Rating</b>	30W max
<b>Output</b>	24V DC PWM (Inverted)
<b>Ambient Temperature Rating</b>	50°C
<b>Output Channels</b>	3
<b>Control Protocol</b>	DMX512A, DALI, DSI, RDM
<b>Approvals</b>	CE Ctick EN6137-1 , EN61347-2-13, IEC 62384
<b>IP Rating</b>	IP67
<b>Weight</b>	0.75kg