

## ARCHITECTURAL DATA SHEET

# Jema

Architectural Linear Wall-Wash · Graze

***Built for the perimeter.***

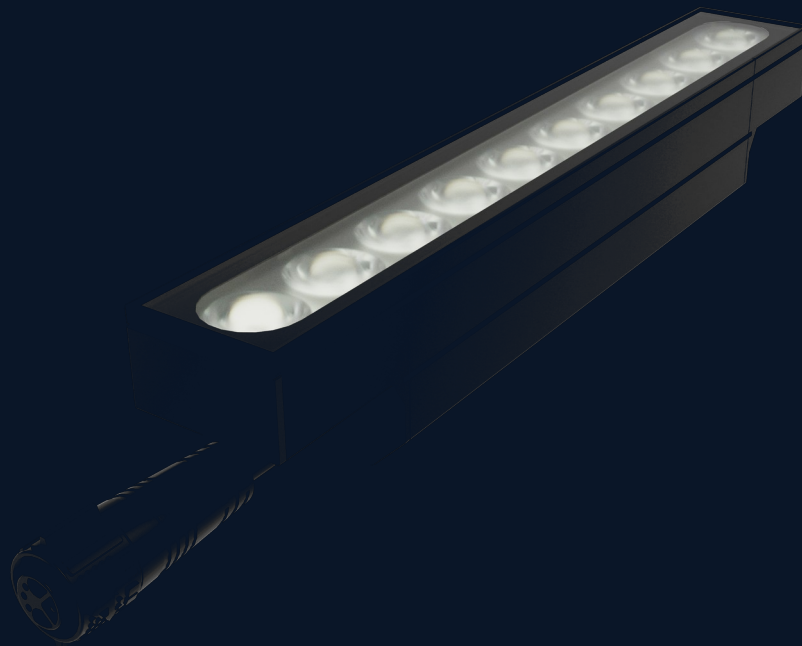
Wet location rated, high performance LED architectural linear wall-wash and graze. Available in 0-10V monochromatic and DMX-RDM RGBW / RGBA / Dynamic White — sharing a single mechanical and optical platform.

8° & 10° NATIVE  
BEAM

IP66 WET  
LOCATION

0-10V · DMX

100-277VAC



AVAILABLE WITH\*

Coda™

Tone™

Token™

Shift™

Sense™

Forte™

\*Not all technologies are available on every fixture.

## OPTICAL PERFORMANCE

# Three variants.

*One mechanical and optical platform.*

## 0-10V

Monochromatic

*Native Beam · 8° High Candela*

LED Channels

**1**

Native Output

**1070 - 1180 lm/ft**

CCT Range

**2700, 3000, 3500, 4000K**

CRI

**80 standard**

Power

**12W typ / linear foot**

Efficacy

**100 lm/W**

Control

**0-10V dimming**

## DMX

RGBW · RGBA

*Native Beam · 10° Quad*

LED Channels

**4 (R · G · RB · W or PCA)**

Native Output

**570 lm/ft (full-on)**

Red (624-634nm)

**105 lm/ft**

Green (520-540nm)

**260 lm/ft**

Royal Blue (440-460nm)

**35 lm/ft**

White (4000K, 80CRI)

**200 lm/ft**

Efficacy

**50 lm/W**

Control

**DMX (RDM compliant)**

## DMX DW

Dynamic White

*Native Beam · 10° Quad*

LED Channels

**2 (CW + WW)**

Native Output

**504 lm/ft (full-on)**

2700 - 5000K Output

**475 - 577 lm/ft**

Efficacy

**55 lm/W**

Control

**DMX (RDM compliant)**

## OPTIONAL OPTICAL DISTRIBUTIONS

Discrete (round): 10°, 20°, 40°, 60°, 80° · Elliptical: 10×40°, 10×60°, 5×30°, 5×60°

*Factory-installable LSD film inserts available per 1' and 4' length.*

## ELECTRICAL · ALL VARIANTS

Input Voltage	100-277VAC, auto-ranging, 50/60Hz
Power Consumption	10-12W typ / linear foot (steady state)
Power Factor	0.99 @ 120VAC · 0.90 @ 277VAC
Surge	4kV maximum common (Gnd to L, Gnd to N)

MECHANICAL · ENVIRONMENT · COMPLIANCE

# Built for the field.

Shared across all variants.

## Mechanical

### Dimensions

59 × 46 × 305mm (1')  
59 × 46 × 1219mm (4')  
2.3 × 1.8 × 12 / 48 in

### Weight

0.85 kg (1.8 lb) — 1'  
3.2 kg (7.0 lb) — 4'

### Housing

Extruded aluminum  
Black powder-coated

### Lens

Clear tempered glass

### Connections

Integral male/female  
Quick connectors

### Mounting

Surface

## Environment

### Operating Temp

-40 to 50° C

### Startup Temp

-20 to 50° C

### Storage Temp

-40 to 80° C

### Ingress Rating

IP66 — Wet Location

### Impact

IK08 standard  
IK10 with Wire Rock Guard

### Vibration

ANSI C136.31, 3G

### Humidity

0 – 95%, non-condensing

### Corrosion

ASTM B117 > 1,500 hrs

## Compliance

### Approbation

ETL · CE

### Location

Dry · Damp · Wet

### Standards

ANSI C136.31  
ASTM B117  
IEC 60529 (IP)  
IEC 62262 (IK)

### RoHS

Compliant

### Patent Portfolio

Protected by an 80+  
patent portfolio across  
US, EU, Asia

AVAILABLE WITH\*

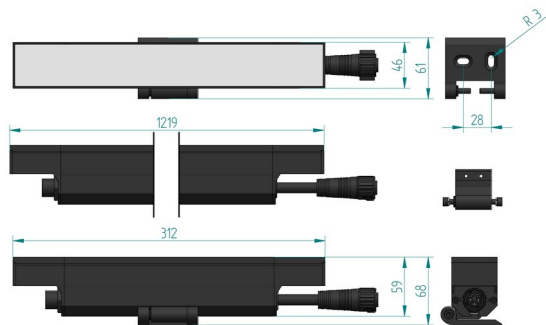
Coda™ Forte™ Sense™ Shift™ Token™ Tone™

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# Geometry and output.

1' and 4' linear lengths · 4'-section photometric reference (DMX 10° native).

## Dimensions



All dimensions in mm. Detailed CAD drawings available on request.

## Photometrics

DMX 10° Clear · 4' Section · RGBW 4000K

Beam Angle	<b>9.3°</b>
Lumens	<b>2,326.9 lm</b>
Input Power	<b>46.4 W</b>
Efficacy	<b>50.1 lm/W</b>
Peak Candela	<b>62,841 cd</b>

### ZONAL LUMEN SUMMARY

Zone (°)	Lumens	% Lum.
0-30	2,256.4	97.6
0-40	2,284.5	98.8
0-60	2,305.3	99.7
60-90	7.5	0.3
0-90	2,312.8	100.0

### CENTER BEAM · BEAM WIDTH DISTANCE · FC / LX · WIDTH (CM)

1.5 m	2413 / 25976	24.4
2.0 m	1357 / 14612	32.5
4.0 m	339 / 3653	65.0
4.5 m	268 / 2886	73.2
6.0 m	151 / 1624	97.6

Full IES photometric files for each variant available at [arco-illumination.com](http://arco-illumination.com) or on request.

## C O N T A C T

# Specify Jema.

### Singapore HQ

Arco Illumination Pte. Ltd.  
No. 8 Penjuru Lane  
Singapore, 609189

### Online

[arco-illumination.com](http://arco-illumination.com)  
[info@arco-illumination.com](mailto:info@arco-illumination.com)

### OEM · Distributor

[partnerships@arco-illumination.com](mailto:partnerships@arco-illumination.com)