

NEON FIXTURE SPECIFICATION

BBDB

Prepared for: 1826 Touring (Wilkie Wilkinson / Connor Houston)

Date: September 2, 2026

PRODUCT

KG3 LumiRope 360 HD 22mm Black (LEDODM NL-Ws2811-120-D22)

24V | IPIP67 | 20 pixels/m | 23.04W/m

PROJECT SUMMARY			
24	188.25m	3,765	4337.3W
Fixtures	188,250mm / 7411.4"	Total Pixels	180.72A @ 24V

INPUT CONNECTOR

3-Pin XLR

3-PIN XLR WIRING



Pin 1

=

Red (24V)

Pin 2

=

Yellow (Data)

Pin 3

=

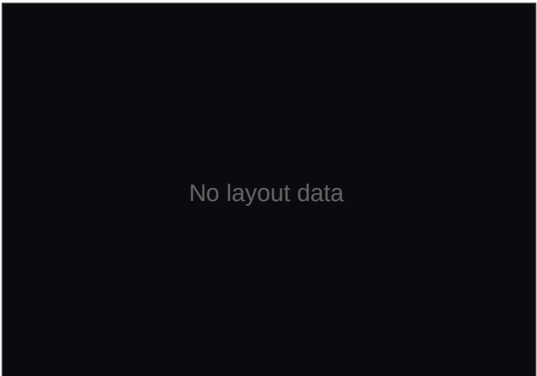
Black (GND)

FIXTURE SCHEDULE

#	FIXTURE	LENGTH (mm)	LENGTH (in)	PIXELS	POWER (W)	AMPS	INPUT
1	AUD1-1	8,000	315.0"	160	184.3	7.68	3-Pin XLR
2	DS1-1	9,150	360.2"	183	210.8	8.78	3-Pin XLR
3	USR1-1	4,900	192.9"	98	112.9	4.70	3-Pin XLR
4	AUD1-2	10,200	401.6"	204	235	9.79	3-Pin XLR
5	DS1-2	9,300	366.1"	186	214.3	8.93	3-Pin XLR
6	USR1-2	4,900	192.9"	98	112.9	4.70	3-Pin XLR
7	AUD1-3	10,200	401.6"	204	235	9.79	3-Pin XLR
8	USR1-3	4,900	192.9"	98	112.9	4.70	3-Pin XLR
9	AUD2-1	8,300	326.8"	166	191.2	7.97	3-Pin XLR
10	DS2-1	9,150	360.2"	183	210.8	8.78	3-Pin XLR
11	USR2-1	5,000	196.9"	100	115.2	4.80	3-Pin XLR
12	AUD2-2	10,250	403.5"	205	236.2	9.84	3-Pin XLR
13	DS2-2	9,300	366.1"	186	214.3	8.93	3-Pin XLR
14	USR2-2	5,000	196.9"	100	115.2	4.80	3-Pin XLR
15	AUD2-3	10,200	401.6"	204	235	9.79	3-Pin XLR
16	USR2-3	5,000	196.9"	100	115.2	4.80	3-Pin XLR
17	DS3-1	9,150	360.2"	183	210.8	8.78	3-Pin XLR
18	DS3-2	9,300	366.1"	186	214.3	8.93	3-Pin XLR
19	US4-1	8,650	340.6"	173	199.3	8.30	3-Pin XLR
20	US4-2	6,700	263.8"	134	154.4	6.43	3-Pin XLR
21	US5-1	8,650	340.6"	173	199.3	8.30	3-Pin XLR
22	US5-2	6,700	263.8"	134	154.4	6.43	3-Pin XLR
23	US6-1	8,650	340.6"	173	199.3	8.30	3-Pin XLR
24	US6-2	6,700	263.8"	134	154.4	6.43	3-Pin XLR
TOTAL		188,250	7411.4"	3765	4337.4	180.73	

AUD1-1

CTRL A · Out 4 · AUD1 | seg 1 of 3 | Pixel rope segment



LENGTH
8,000 mm 315.0"

PIXELS
160

POWER
184.3W / 7.68A @ 24V

INPUT
3-Pin XLR

XLR WIRING

Pin 1

 = Red (24V)

Pin 2

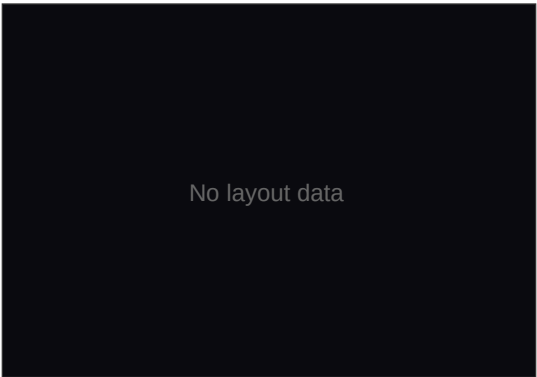
 = Yellow (Data)

Pin 3

 = Black (GND)

DS1-1

CTRL A · Out 1 · DS1 | seg 1 of 2 | Pixel rope segment



LENGTH
9,150 mm 360.2"

PIXELS
183

POWER
210.8W / 8.78A @ 24V

INPUT
3-Pin XLR

XLR WIRING

Pin 1

 = Red (24V)

Pin 2

 = Yellow (Data)

Pin 3

 = Black (GND)

USR1-1

CTRL C · Out 1 · USR1 | seg 1 of 3 | Pixel rope segment

No layout data

LENGTH

4,900 mm

192.9"

PIXELS

98

POWER

112.9W / 4.70A @ 24V

INPUT

3-Pin XLR

XLR WIRING

● Pin 1 = Red (24V) ● Pin 2 = Yellow (Data)
● Pin 3 = Black (GND)

AUD1-2

CTRL A · Out 4 · AUD1 | seg 2 of 3 | Pixel rope segment

No layout data

LENGTH

10,200 mm

401.6"

PIXELS

204

POWER

235W / 9.79A @ 24V

INPUT

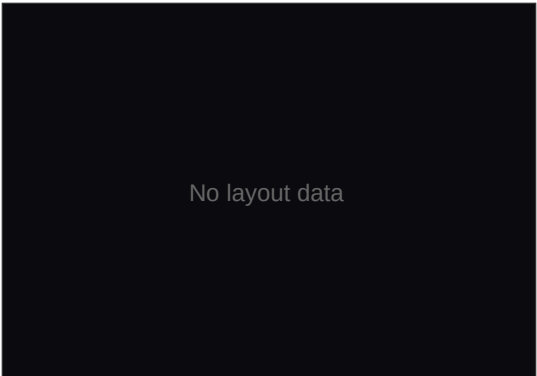
3-Pin XLR

XLR WIRING

● Pin 1 = Red (24V) ● Pin 2 = Yellow (Data)
● Pin 3 = Black (GND)

DS1-2

CTRL A · Out 1 · DS1 | seg 2 of 2 | Pixel rope segment



LENGTH
9,300 mm **366.1"**

PIXELS
186

POWER
214.3W / 8.93A @ 24V

INPUT
3-Pin XLR

XLR WIRING

Pin 1

 = Red (24V)

Pin 2

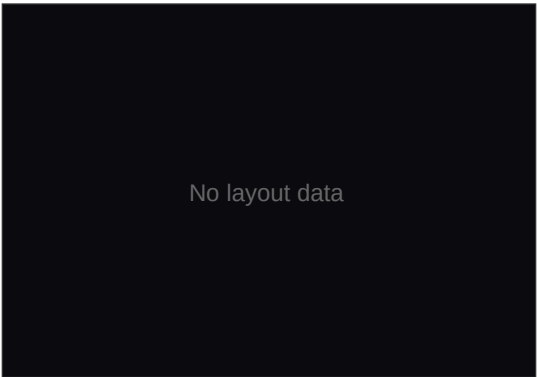
 = Yellow (Data)

Pin 3

 = Black (GND)

USR1-2

CTRL C · Out 1 · USR1 | seg 2 of 3 | Pixel rope segment



LENGTH
4,900 mm **192.9"**

PIXELS
98

POWER
112.9W / 4.70A @ 24V

INPUT
3-Pin XLR

XLR WIRING

Pin 1

 = Red (24V)

Pin 2

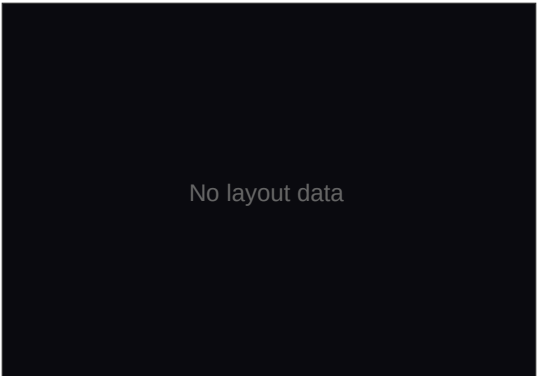
 = Yellow (Data)

Pin 3

 = Black (GND)

AUD1-3

CTRL A · Out 4 · AUD1 | seg 3 of 3 | Pixel rope segment



LENGTH
10,200 mm **401.6"**

PIXELS
204

POWER
235W / 9.79A @ 24V

INPUT
3-Pin XLR

XLR WIRING

Pin 1

 = Red (24V)

Pin 2

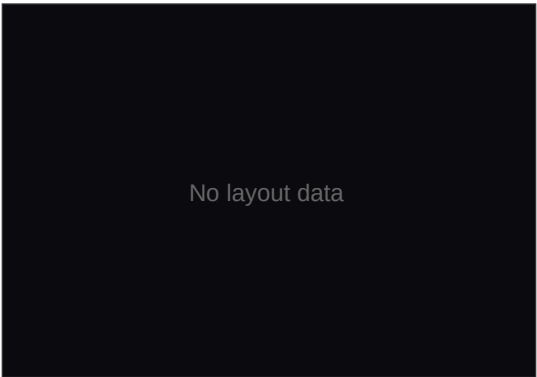
 = Yellow (Data)

Pin 3

 = Black (GND)

USR1-3

CTRL C · Out 1 · USR1 | seg 3 of 3 | Pixel rope segment



LENGTH
4,900 mm **192.9"**

PIXELS
98

POWER
112.9W / 4.70A @ 24V

INPUT
3-Pin XLR

XLR WIRING

Pin 1

 = Red (24V)

Pin 2

 = Yellow (Data)

Pin 3

 = Black (GND)

AUD2-1

CTRL B · Out 4 · AUD2 | seg 1 of 3 | Pixel rope segment

No layout data

LENGTH

8,300 mm

326.8"

PIXELS

166

POWER

191.2W / 7.97A @ 24V

INPUT

3-Pin XLR

XLR WIRING

● Pin 1 = Red (24V) ● Pin 2 = Yellow (Data)
● Pin 3 = Black (GND)

DS2-1

CTRL A · Out 2 · DS2 | seg 1 of 2 | Pixel rope segment

No layout data

LENGTH

9,150 mm

360.2"

PIXELS

183

POWER

210.8W / 8.78A @ 24V

INPUT

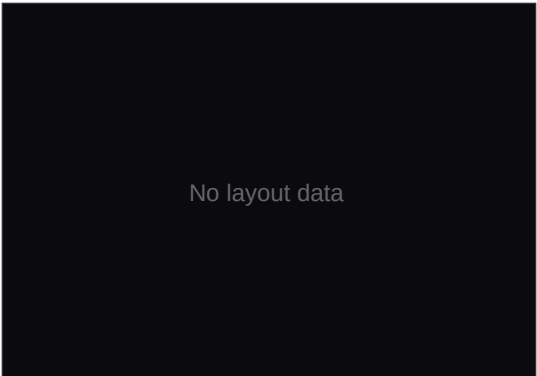
3-Pin XLR

XLR WIRING

● Pin 1 = Red (24V) ● Pin 2 = Yellow (Data)
● Pin 3 = Black (GND)

USR2-1

CTRL D · Out 1 · USR2 | seg 1 of 3 | Pixel rope segment



LENGTH
5,000 mm **196.9"**

PIXELS
100

POWER
115.2W / 4.80A @ 24V

INPUT
3-Pin XLR

XLR WIRING

Pin 1

 = Red (24V)

Pin 2

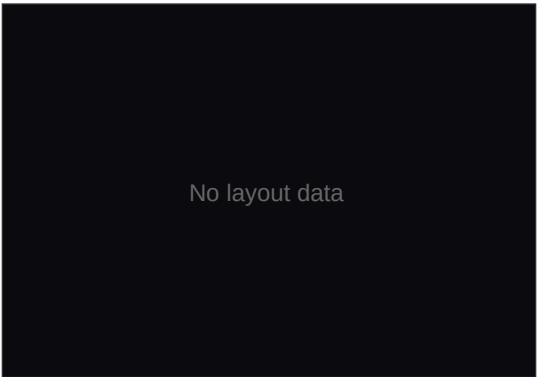
 = Yellow (Data)

Pin 3

 = Black (GND)

AUD2-2

CTRL B · Out 4 · AUD2 | seg 2 of 3 | Pixel rope segment



LENGTH
10,250 mm **403.5"**

PIXELS
205

POWER
236.2W / 9.84A @ 24V

INPUT
3-Pin XLR

XLR WIRING

Pin 1

 = Red (24V)

Pin 2

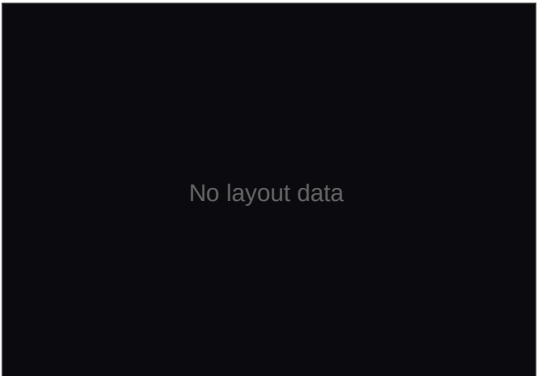
 = Yellow (Data)

Pin 3

 = Black (GND)

DS2-2

CTRL A · Out 2 · DS2 | seg 2 of 2 | Pixel rope segment



LENGTH
9,300 mm **366.1"**

PIXELS
186

POWER
214.3W / 8.93A @ 24V

INPUT
3-Pin XLR

XLR WIRING

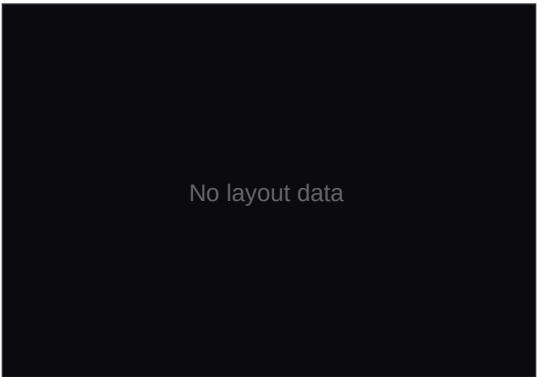
Pin 1 = Red (24V)

Pin 2 = Yellow (Data)

Pin 3 = Black (GND)

USR2-2

CTRL D · Out 1 · USR2 | seg 2 of 3 | Pixel rope segment



LENGTH
5,000 mm **196.9"**

PIXELS
100

POWER
115.2W / 4.80A @ 24V

INPUT
3-Pin XLR

XLR WIRING

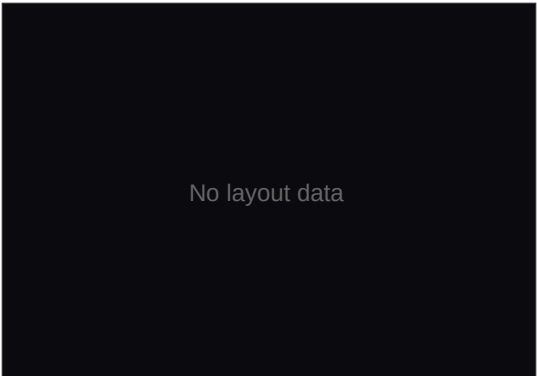
Pin 1 = Red (24V)

Pin 2 = Yellow (Data)

Pin 3 = Black (GND)

AUD2-3

CTRL B · Out 4 · AUD2 | seg 3 of 3 | Pixel rope segment



LENGTH
10,200 mm 401.6"

PIXELS
204

POWER
235W / 9.79A @ 24V

INPUT
3-Pin XLR

XLR WIRING

Pin 1

 = Red (24V)

Pin 2

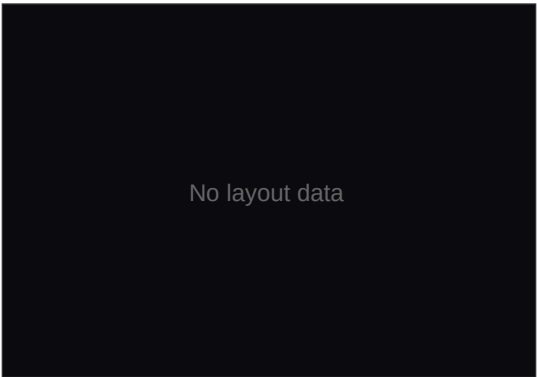
 = Yellow (Data)

Pin 3

 = Black (GND)

USR2-3

CTRL D · Out 1 · USR2 | seg 3 of 3 | Pixel rope segment



LENGTH
5,000 mm 196.9"

PIXELS
100

POWER
115.2W / 4.80A @ 24V

INPUT
3-Pin XLR

XLR WIRING

Pin 1

 = Red (24V)

Pin 2

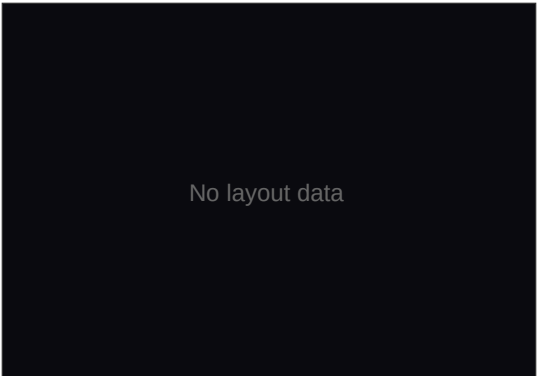
 = Yellow (Data)

Pin 3

 = Black (GND)

DS3-1

CTRL A · Out 3 · DS3 | seg 1 of 2 | Pixel rope segment



LENGTH
9,150 mm **360.2"**

PIXELS
183

POWER
210.8W / 8.78A @ 24V

INPUT
3-Pin XLR

XLR WIRING

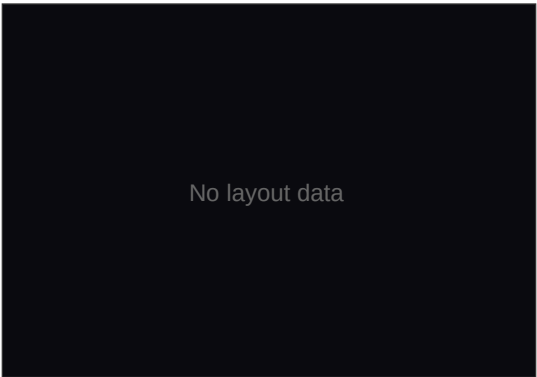
Pin 1 = Red (24V)

Pin 2 = Yellow (Data)

Pin 3 = Black (GND)

DS3-2

CTRL A · Out 3 · DS3 | seg 2 of 2 | Pixel rope segment



LENGTH
9,300 mm **366.1"**

PIXELS
186

POWER
214.3W / 8.93A @ 24V

INPUT
3-Pin XLR

XLR WIRING

Pin 1 = Red (24V)

Pin 2 = Yellow (Data)

Pin 3 = Black (GND)

US4-1

CTRL B · Out 1 · US4 | seg 1 of 2 | Pixel rope segment

No layout data

LENGTH

8,650 mm

340.6"

PIXELS

173

POWER

199.3W / 8.30A @ 24V

INPUT

3-Pin XLR

XLR WIRING

● Pin 1 = Red (24V) ● Pin 2 = Yellow (Data)
● Pin 3 = Black (GND)

US4-2

CTRL B · Out 1 · US4 | seg 2 of 2 | Pixel rope segment

No layout data

LENGTH

6,700 mm

263.8"

PIXELS

134

POWER

154.4W / 6.43A @ 24V

INPUT

3-Pin XLR

XLR WIRING

● Pin 1 = Red (24V) ● Pin 2 = Yellow (Data)
● Pin 3 = Black (GND)

US5-1

CTRL B · Out 2 · US5 | seg 1 of 2 | Pixel rope segment

No layout data

LENGTH

8,650 mm

340.6"

PIXELS

173

POWER

199.3W / 8.30A @ 24V

INPUT

3-Pin XLR

XLR WIRING

● Pin 1 = Red (24V) ● Pin 2 = Yellow (Data)
● Pin 3 = Black (GND)

US5-2

CTRL B · Out 2 · US5 | seg 2 of 2 | Pixel rope segment

No layout data

LENGTH

6,700 mm

263.8"

PIXELS

134

POWER

154.4W / 6.43A @ 24V

INPUT

3-Pin XLR

XLR WIRING

● Pin 1 = Red (24V) ● Pin 2 = Yellow (Data)
● Pin 3 = Black (GND)

US6-1

CTRL B · Out 3 · US6 | seg 1 of 2 | Pixel rope segment

No layout data

LENGTH

8,650 mm

340.6"

PIXELS

173

POWER

199.3W / 8.30A @ 24V

INPUT

3-Pin XLR

XLR WIRING

● Pin 1 = Red (24V) ● Pin 2 = Yellow (Data)
● Pin 3 = Black (GND)

US6-2

CTRL B · Out 3 · US6 | seg 2 of 2 | Pixel rope segment

No layout data

LENGTH

6,700 mm

263.8"

PIXELS

134

POWER

154.4W / 6.43A @ 24V

INPUT

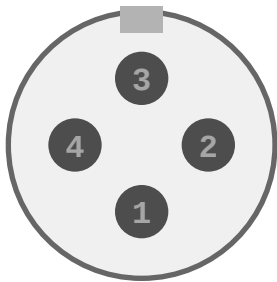
3-Pin XLR

XLR WIRING

● Pin 1 = Red (24V) ● Pin 2 = Yellow (Data)
● Pin 3 = Black (GND)

WIRING REFERENCE

NL4 CONNECTOR PINOUT



NL4 male FACE VIEW

1 PIN 1 = UNASSIGNED (1+)

2 PIN 2 = UNASSIGNED (1-)

3 PIN 3 = UNASSIGNED (2+)

4 PIN 4 = UNASSIGNED (2-)

NOTES

- All fixtures use NL4 input connectors.
- Power supply: 24V DC. Ensure adequate amperage for total fixture load.
- Total power draw: 4337.3W / 180.72A @ 24V.
- Data signal is pixel-addressable via standard LED pixel protocol.
- Pixel density: 20 pixels per meter.
- Lengths shown are design/fixture lengths (not including production margins).