Fully suspended self supporting single & double sided transparent top mounted LED display.

Suspend|Lte

Suspend|lte is Kiboworks creative linear display, designed to hang from a top mounted control and power module. Suspend can be configured for single or double sided displays within a tiny 15mm rail. The length of a single display can be up to 30m (100ft) from top to bottom and multiple power and control modules can be arranged to extend the width of the display to any size.

Suspend can be configured for different voltage levels dependent on the depth of the display, the pitch of each led can be configured to offer the required display resolution and transparency required allowing the display to be 'see-thru' letting light through the display and allowing you to see through

Suspend comes in White and RGB versions as standard and can be designed for custom led options. RGBA option is available with a custom pitch and increased rail size. The led boards are designed to be replaceable if required and can be removed and refitted in seconds due to the design of the rail. The rail system is custom designed to ensure the every pixel is precisely level in both the horizontal and vertical axis.

At the heart of the Suspend system is Kibowork's control node called a 'KiboNode', the node allows many different protocol to drive the display or can be programmed as a standalone time and calendar driven video system. Additionally a computer based control system can be used to control the display allow sing video content and dimming as well as power on and off functions to be handled with no user input.

KiboWorks led protocol called 'Stream' is an advanced latch based control developed to drive led art pieces requiring frame by frame timing and capable of running large displays at over 100 frame per second. Stream is designed never to drop a single frame and running at ultra high frame rates produces crystal clear text and images.

Kiboworks have over 20 years experience in the design of LED display systems and have one numerous awards for the unique integration of LED in to building systems that require robust easy to maintain products that require extended warranty worldwide.

Suspend|Lte - Features

Free hanging

Self Leveling Display

100 Frames per second

2m to 30m in Depth

Unlimited Width

24, 36 & 48v Power options

50mm, 30mm & 20mm Pitch

Custom Pitchs available

45%, 30% and 15% Transparancy

Ethernet or Fiber connection

PC or Standalone operation

White, RGB & RGBA available

Gamma corrected colour

Single Sided Display

Double Sided Display

Zero dropped frames

5 Years Warranty

Integrated Power & Data drivers

KiboWorks
Custom LED Technology

KiboWorks Custom LED Technology.
9580 Oak Avenue Parkway
Suite 7-211 | Folsom | CA 95630

Tel: (+1) 916 9888921
Contact: John@kiboworks.com
KiboWorks products are custom designed and manufactured to project order or tenders.

Suspend double sided white & RGB(A) Led display from KiboWorks

KiboWorks, TeamKibo, KiboVision, KiboMenu, The Translator Are Trademarks of KiboWorks.

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LED Lamps	White (2700 - 9000K) | RGB | RGBA (a)
Pixel Pitch	50mm | 30mm | 20mm | CUSTOM
Brightness	2000 - 9000 Nits (cd/m2) (b)
Viewing Angle	Horizontal: 100 Deg Vertical: 100 Deg (c)
Transparency (When Off)	50mm - 45% | 30mm - 30% | 20mm - 15%)
Processing Colour Depth	16 Bit
Video Frame Rates	upto 100 frames per second
Display Refresh Rates	2, 6, 12, 24 KHz Selectable
Height	2m - 30m (d)
Depth	22mm
Width	Variable (e)
Mounting	Steel heavay guage bolt to support structure
Connections	5 Pin - Power | Data | Clock
IP	20 Internal Only
Data Transmission	Fibre | RS485
Data Protocol	Stream (f) | DMX | ArtNet | sACN
Video Formatting	Precompiled AVI
Gamma Options	5 Selectable levels (g)
Input Power	85VAC - 264VAC
Maximum Power Consumption	50mm - 155w | 30mm - 413w | 20mm - 972 Watts (h)
Avarage Power Consumption	50mm - 51.6w | 30mm - 173w | 20mm - 324 Watts (i)
Operating Temperature Range	-10 to +40 deg
Operating Humididty Range	90% (Non Condensing)
Warranty	5 Years

Suspend|Lte - Notes

(a) - RGBA requires a wider led board with less transparancy.

(b) - Nits are dependent on drive current and lumen output of led.

(c) - Single sided display, double sided display would equate to Vertical 200 Deg.

(d) - Display height requires higher voltage 36v - 48v

(e) - Power & Control headers are designed to locate together to maintain horizontal pitch.

(f) - Stream supports ultra high frames rates to 100fps

(g) - Gamma ensures no loss of colour depth and saturation at low lighting levels or when display is dimmed.

(h) - Maximum power is based on full white

(i) - Average power consumption is based on 33% activity in leds due to the video content.

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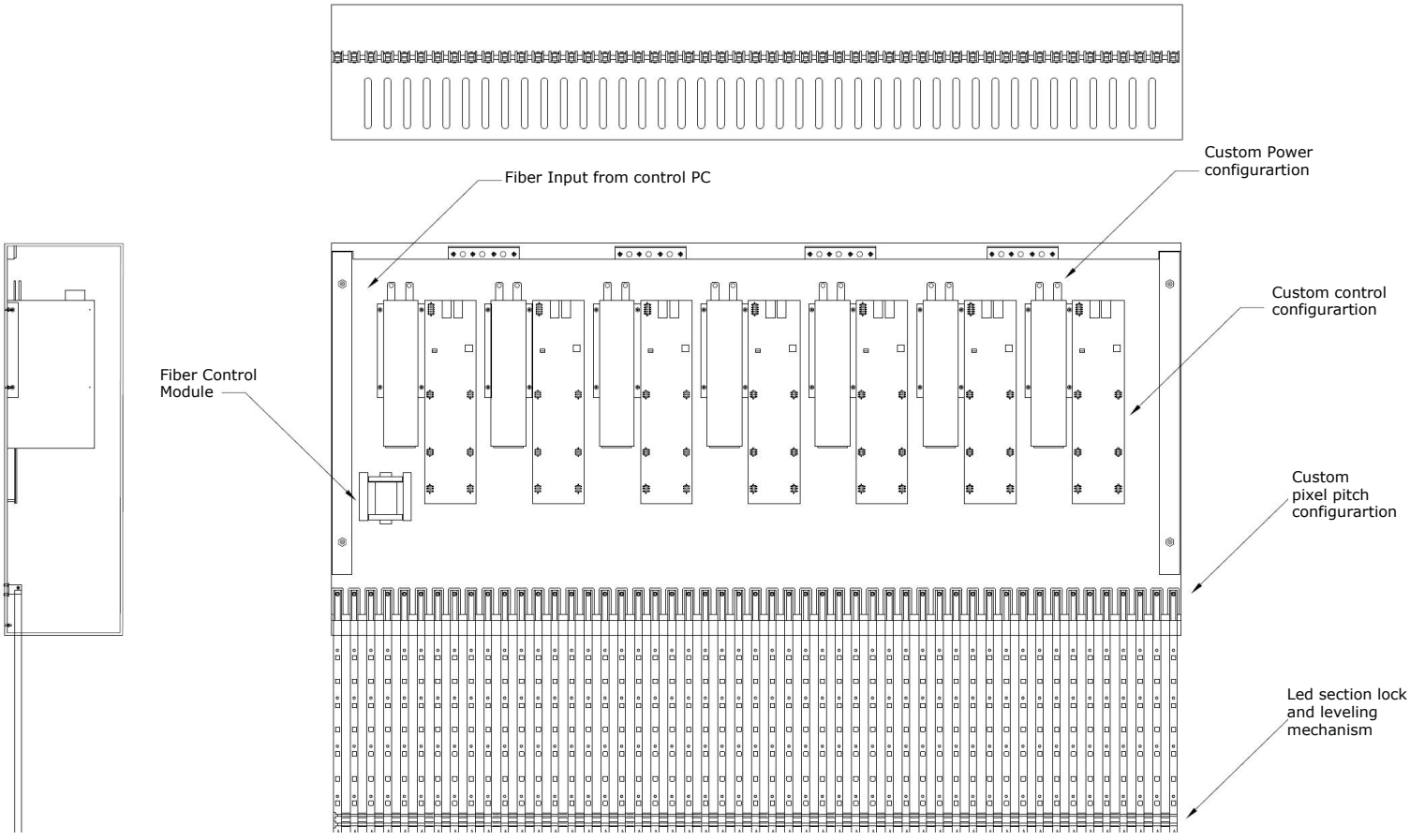

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