CONTENT-ADAPTIVE RGBW LIGHTING SOLUTION

Lumora Sync

Ambient RGBW lighting that lives with your content — matching the dominant colour on screen in real time, engineered for 24×7 outdoor operation.

WHAT IS LUMORA SYNC?

Lighting that Matches Your Screen

Lumora Sync is a complete content-adaptive lighting system. FutureIK Lumora RGBW light elements — modules, strips and neon flex — are driven by our custom controller, linked through an RS485-to-USB adapter to the client's Mini PC. The system reads the dominant colour of whatever plays on screen and drives the surrounding lights to match it live, extending the content beyond the display. Solid colours can be set on demand. Every component is IP-rated and built to run 24×7 in outdoor environments at 55°C+ ambient.

AT A GLANCE

- Live colour-match to whatever is on screen
- Any solid colour on demand — more modes soon
- IP-rated and built for 24×7 outdoors at 55°C+
- Works across modules, strips and neon flex

24×7	55°C+	IP-Rated	RGBW	Windows	Modular
Operation	Ambient Temp	End-to-End	Full Colour	Android soon	& Scalable

The Lumora Light Family

One system, many light forms — mix and match to fit the site.

Lumora Modules

Sealed 5050 RGBW injection modules

Light boxes · channel letters

Lumora Strips

Flexible RGBW light strips

Coves · edges · linear runs

Lumora Neon Flex

16×16 mm addressable silicone neon

Outlines · lettering · facades

More Coming

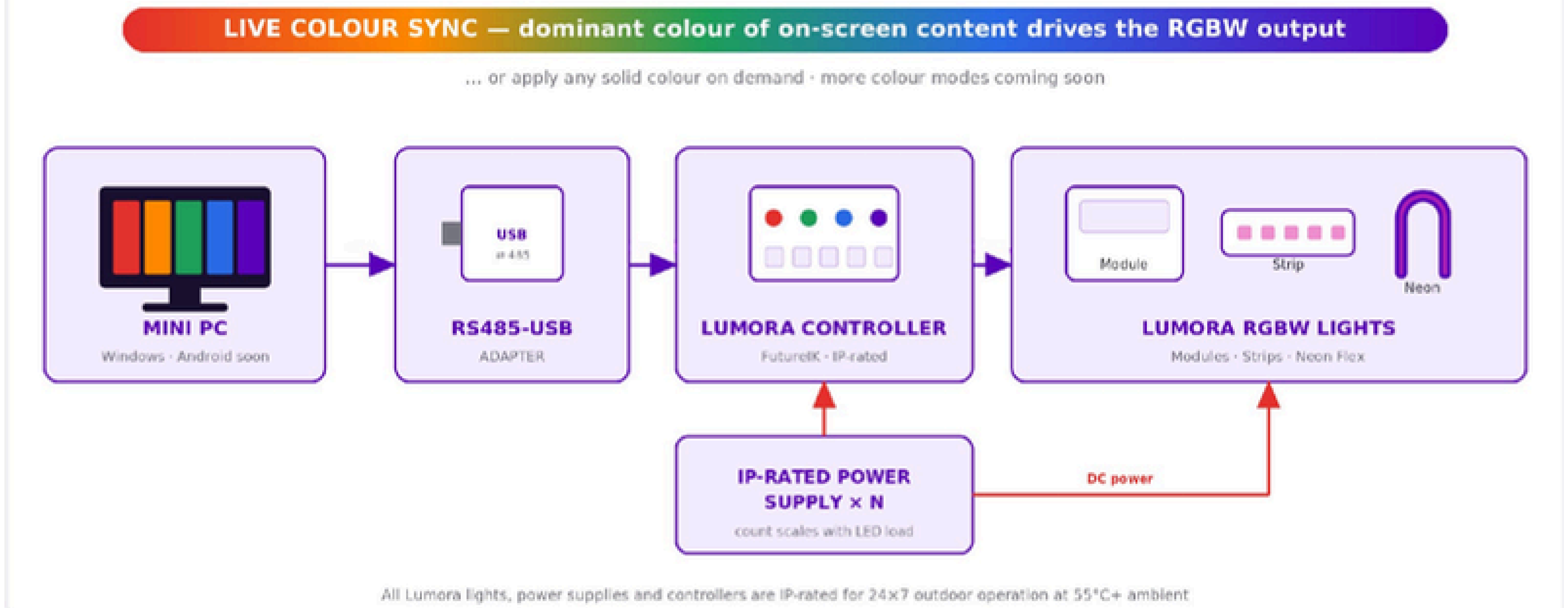
New RGBW light forms on the way

Ask us what's next

CONTENT-ADAPTIVE, IN CONTEXT

How It Works

From on-screen content to ambient colour, in real time.



The Components

Five parts work together — supplied and supported by FutureIK.

Mini PC

Plays your content (Windows; Android soon) and detects the dominant on-screen colour.

RS485-USB Adapter

Bridges the Mini PC's USB port to the controller's RS485 data link.

Lumora Controller

FutureIK custom controller drives the RGBW lights. IP-rated.

IP Power Supply ×N

IP-rated DC power; the number of units scales with the LED load.

Lumora Lights

Modules, strips and neon flex render the colour around the display.

How the Colour is Chosen

Three steps, continuously, in real time.

1 — Content Plays

Video, ads or brand content runs on the Mini PC exactly as it does today.

2 — Colour Extracted

The dominant colour of the on-screen content is read continuously.

3 — Lights Match Live

Lumora RGBW output follows that colour instantly — or holds a set solid colour.

WORKS WITH YOUR EXISTING SETUP

No screen replacement required. Lumora Sync layers onto the Mini PC and content you already run, adding a responsive lighting halo around the display — configured once, then left to run.

- Uses your current content and playout
- Simple RS485-USB connection to the Mini PC
- Set-and-forget once it is configured
- No screen replacement required
- Live colour-match or fixed solid colours
- Scales from a single sign to a full facade
- Single-vendor supply and support
- Built for 24×7 outdoor operation

Solution Use Cases

Where content-adaptive lighting adds impact.

DOOH Light Boxes

Halo and framing around LED screens that push content past the bezel and lift dwell time.

- Transit screens · mall atriums

Retail & Storefronts

Content-synced windows, shopfronts and in-store zones that draw shoppers in.

- Windows · in-store zones

Hospitality & Leisure

Bars, lounges, cinemas and clubs with colour that follows the media.

- Bars · cinemas · clubs

Architectural & Facade

Building outlines and trim that respond to displayed content or brand colours.

- Outlines · brand trim

Transport & Transit

Airports, metros and concourses — high-traffic brand and wayfinding zones.

- Airports · metros

Showrooms & Auto

Product and vehicle displays with immersive, colour-matched backdrops.

- Auto · product displays

Events & Activations

Immersive brand moments and live shows that react to the screen.

- Stages · brand events

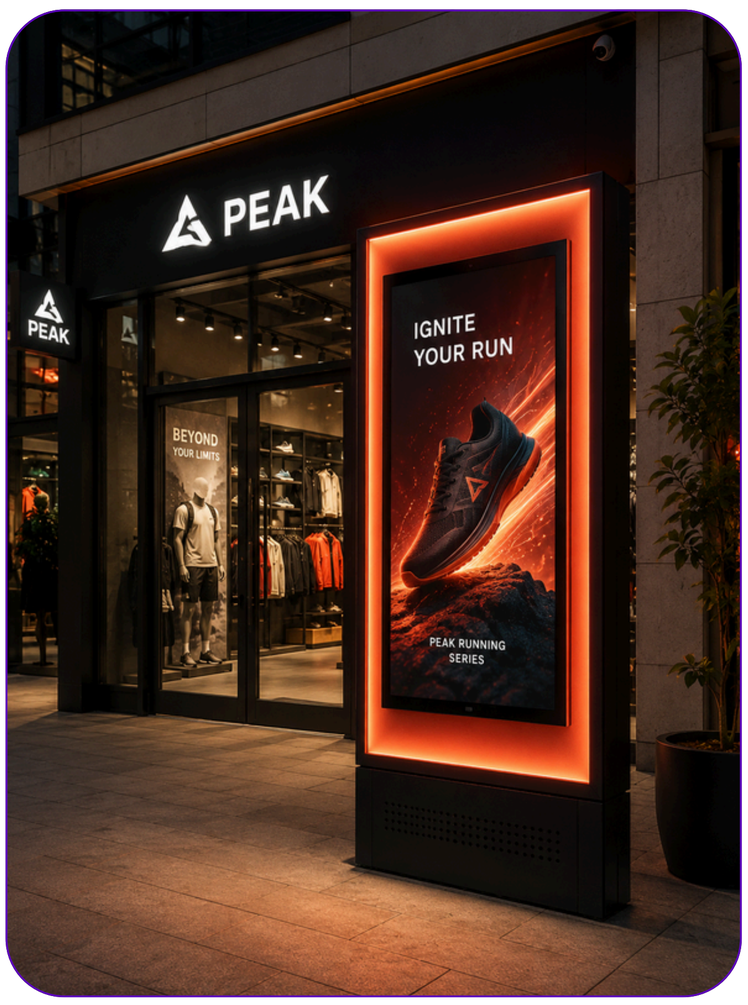
Museums & Experiences

Themed, media-driven galleries and interactive exhibits.

- Galleries · exhibits

Content-Adaptive in Action

How it looks on site.



THE ADVANTAGE

Lumora Sync turns a flat screen into an immersive, colour-reactive environment — extending content into the space around it and reinforcing brand colour across the whole installation.

- Extends content into the surrounding space
- Increases attention and dwell time
- Turns a static screen into an experience
- Works across modules, strips and neon
- Reinforces brand colour across the site
- One reactive system, many light forms
- Simple to retrofit to existing screens
- IP-rated for permanent outdoor use

Why Lumora Sync

What makes this solution strong — and easy to specify.

Extends the Screen

On-screen colour spills into the surrounding lighting, immersing viewers and pulling attention straight to the display.

- More attention & dwell time

Built for Outdoors 24×7

Every component is IP-rated and runs continuously at 55°C+ ambient — made for permanent, always-on outdoor installs.

- IP-rated · 55°C+ ambient

Turnkey, Single-Vendor

Lights, power, controller and integration all come from FutureIK — one supplier, one contract, one point of support.

- One supplier end-to-end

Easy to Integrate

Plugs into your existing Mini PC and content stack over RS485-USB — no screen replacement and no new playout.

- RS485-USB · no screen swap

Modular & Scalable

Mix modules, strips and neon flex; power supplies scale with the LED load for any size of run.

- One sign to a full facade

Future-Ready

Android Mini-PC support and additional colour and effect modes are on the roadmap, protecting your investment.

- Android & more modes soon

What's Included

Everything needed for a working, supported system.

Lumora RGBW Lights

Modules or injection light strips or neon flex — all IP-rated and driven as one system.

IP-Rated Power Supply ×N

IP-rated DC power for the LEDs; the number of units scales with the total connected load.

FutureIK Custom Controller

Our own controller receives the colour data and drives the RGBW output. IP-rated for outdoors.

RS485-to-USB Adapter

Bridges the client's Mini PC to the controller over a simple, reliable RS485 data link.

Mini PC Integration

Runs on the Windows Mini PC you already use; Android support is on the roadmap.

Accessories & Mounting

Connectors, lead wires, mounting clips, aluminium track, card-slot profiles and end caps.

Deployment

From site survey to 24×7 operation.

1 — Survey & Design

We assess the site, screens, run lengths and available power, then design the layout and light forms.

2 — Supply

We supply the Lumora lights, IP-rated power supplies, the custom controller and the RS485-USB adapter.

3 — Install & Integrate

We mount and wire the lights, connect the controller to your Mini PC and configure the colour behaviour.

4 — Support

You get a fully commissioned, 24×7-ready system, backed by FutureIK with ongoing support.

ON THE ROADMAP

Android Mini-PC support · more colour & effect modes · new Lumora light forms

READY TO LIGHT UP YOUR CONTENT?

Let's design a Lumora Sync installation for your screens, storefront or facade — IP-rated and built for 24×7 outdoors.

EMAIL
sales@futureik.com

CALL
+91 76192 03418