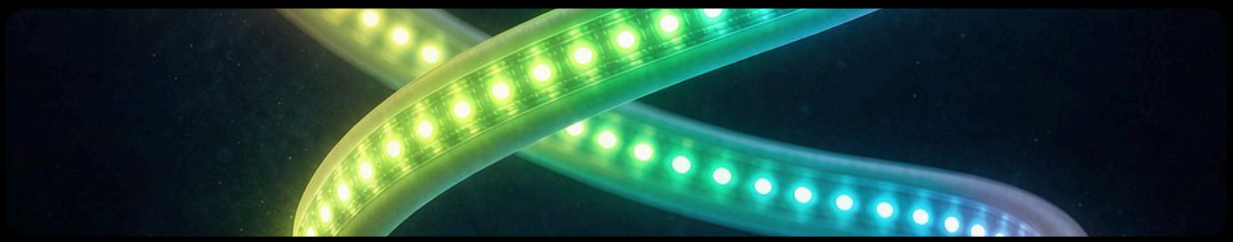
SEGULA

2026 WINTER EDITION

AI RLAW

LED Light Strip

The AI-driven lighting revolution. Redefining colour & CRI mixing from 256 grayscale to 65,536 grayscale — a game changer for the lighting industry.



New · AI RLAW Downlight

AI RLAW Algorithm

65,536 Grayscale

1800K–12000K Tunable White

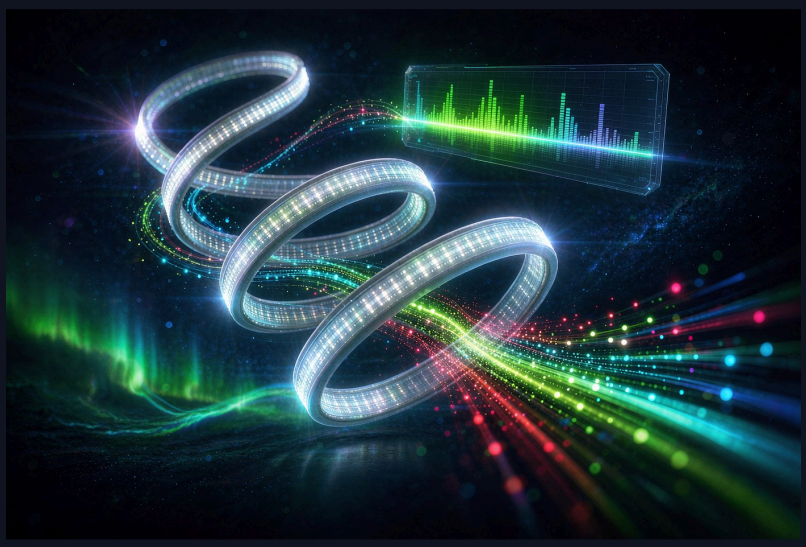
Beyond RGB

True High-CRI · Ra ≥ 97

THE TECHNOLOGY

AI **RLAW** — Red · Lime · Aqua · White

Instead of conventional RGB mixing, the intelligent RLAW algorithm drives four optimised channels for real-time spectral optimisation — delivering ultra-tunable white from candlelight amber to arctic daylight with true-to-life colour rendering.



65,536
Grayscale — real-time spectral optimisation

1800K –12000K
Ultra-wide tunable white range

RLAW
Beyond-RGB intelligent colour mixing

Ra ≥ 97
True High-CRI colour fidelity

APPLICATION · RESIDENTIAL

Hidden Linear Light, 2200K Warm Amber Glow

Concealed cove installations wash architecture in light — no visible fixture, only atmosphere. Smooth dimming down to candlelight warmth.



Architectural cove lighting · 24mm tilt-shift · f/11 · blue hour balance

High CRI

Colours read true under RLAW light — art, timber, textiles and skin tones rendered with Ra ≥ 97 fidelity.

Smooth Dimming

65,536-step grayscale delivers flicker-free fades from energising daylight to 2200K amber calm.

APPLICATION · TUNABLE WHITE

One Strip. **Every Kelvin.**

From 1800K candlelight to 12000K arctic daylight — the AI algorithm blends channels seamlessly, in one installation.



2700K ↔ 6000K split-scene demonstration · 35mm · f/5.6

APPLICATION · COLOUR FIDELITY

True High-CRI, Seen in Every Detail

Reds stay ripe, greens stay alive, whites stay honest. RLAW spectral optimisation makes Ra ≥ 97 tangible.



R·L·A·W colour rendering still life · 90mm macro · f/4

APPLICATION · OUTDOOR

Beyond Interiors

Integrated into handrails, benches and façades — IP-rated linear light that paints hospitality spaces after dark.



Aqua-gradient integration · 50mm · f/1.8 · blue hour

NEW · AI RLAW DOWNLIGHT

The Same RLAW Soul, Now in a Downlight

The AI RLAW light source now comes packaged as a professional 15 W recessed downlight — identical 65,536-step grayscale, 1800K–12000K tunable white and true High-CRI Ra ≥ 97. Controlled via DMX or DALI-2, with 8°, 15°, 25° and 36° beam angles.



AI RLAW Downlight · 15 W · precision reflector optics

15W	8–36°	DMX DALI-2	Ra ≥ 97
Output power	8 / 15 / 25 / 36° beam angles	Professional control	Identical RLAW engine

AI RLAW DOWNLIGHT · RANGE

Four Beams. **One Engine.**

Identical RLAW specification as the light strip — only the packaging changes. Choose the beam angle that shapes the space, all controlled by DMX or DALI-2.

	8°	15°	25°	36°
Beam angle	8° spot	15° narrow	25° medium	36° flood
Power	15 W			
Control	DMX · DALI-2			
Grayscale	65,536 steps · real-time spectral optimisation			
White Range	1800K – 12000K tunable via AI RLAW algorithm			
Colour Rendering	True High-CRI · Ra ≥ 97			
Colour Depth	16.77 million colours (IC) · 4096 colours (Non-IC)			

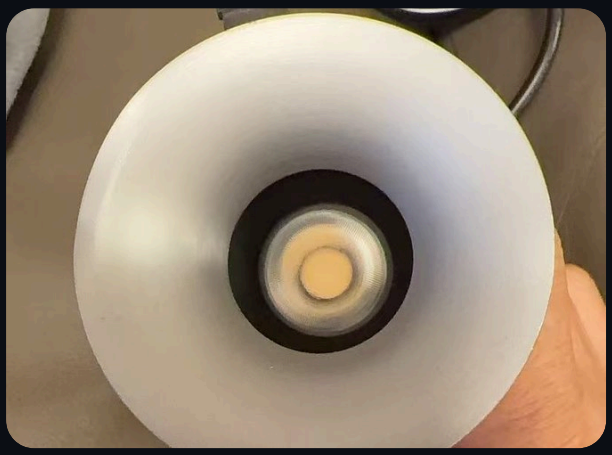


AI RLAW Downlights · warm white architectural installation

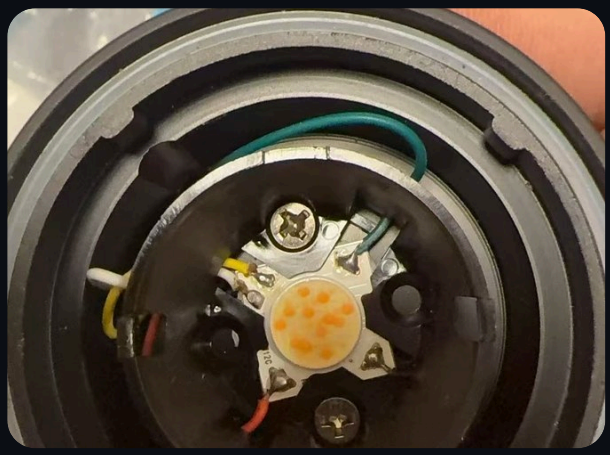
AI RLAW DOWNLIGHT · ACTUAL UNIT

Engineered **Inside Out**

A precision reflector over the RLAW COB engine on a metal-core PCB — the same light source as the strip, packaged for recessed architectural ceilings.



Actual unit — front optics & reflector



Actual unit — RLAW COB engine on metal-core PCB



Recessed installation · precise beam control

TECHNICAL MATRIX

Specifications

	IC Version · SK 11234	Non-IC Version · SK 11235
Primary Use	15.72 million colour combinations	Intelligent RLAW algorithm
Colour Depth	16.77 million colours	4096 colours
Output	800 mm · 70 LEDs	1500 mm · 125 LEDs
White Range	1800K – 12000K tunable via AI RLAW algorithm	
Grayscale	65,536 steps · real-time spectral optimisation	
Colour Rendering	True High-CRI · Ra ≥ 97	

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Reproduce These Shots

Every image in this catalogue was generated from the engineered prompts below (Midjourney / Flux / DALL·E compatible). Structure: subject → environment → lighting → camera → style → quality.

1 · Cover Hero — "Light Ribbon"

> *Macro product hero of a flexible LED light strip coiled into an elegant S-curve ribbon, floating over a dark reflective black surface, individual LED emitters glowing in a smooth gradient from warm amber through lime green to aqua and pure white, subtle volumetric light haze, deep navy-to-black background with faint aurora borealis glow overhead, studio product lighting with rim light defining the strip's silicone diffuser edge, shot on 100mm macro lens f/8, focus stacked, commercial advertising quality, ultra-sharp, dark cinematic premium mood, 8k*

2 · Architectural Warm Cove (2200K)

> *Luxury minimalist living room interior at dusk, concealed LED cove lighting washing a warm 2200K amber glow across a board-formed concrete wall and a plasterboard ceiling recess, hidden linear light source with no visible fixture, deep shadows with soft gradient falloff, floor-to-ceiling glass revealing a blue-hour city skyline, warm interior amber contrasting cool exterior twilight blue, beige sectional sofa and dark wood floor, shot on 24mm tilt-shift lens f/11, architectural digest style, photorealistic, eye-level, high dynamic range*

3 · Tunable White Split Scene

> *Modern luxury kitchen interior shown with a split lighting concept: left half bathed in cozy 2700K warm white glow from hidden under-cabinet and ceiling cove LED strips, right half in crisp 6000K cool daylight white, seamless vertical gradient transition in the middle demonstrating tunable white range, marble countertop and walnut cabinetry, shot on 35mm lens f/5.6, symmetrical composition, photorealistic interior photography, high dynamic range*

4 · High-CRI Colour Fidelity Detail

> *Extreme close-up still life under high-CRI LED strip lighting: ripe red tomatoes, fresh lime-green leaves, an aqua glass vase and white ceramic bowl arranged on a dark stone shelf, each lit edge revealing true saturated color fidelity, thin hidden linear light source above casting a soft even glow, macro shot on 90mm lens f/4, shallow depth of field, moody dark background, editorial food-photography lighting quality emphasizing color accuracy*

5 · RLAW Tech Visualization

> *Futuristic 3D visualization of an LED strip ribbon swirling through dark space like a film reel, trailing a spectrum waveform of red, lime, aqua and white light particles, a glowing spectral distribution graph floating above like an audio equalizer, green aurora light in the deep blue background, motion-blurred light streaks, cinematic sci-fi product render, octane render quality, 8k*

6 · Outdoor Evening Application

> *Contemporary rooftop terrace at night, LED strip lighting integrated invisibly into bench seating and glass balustrade handrail, glowing with a soft aqua-to-teal gradient, warm city bokeh lights in the background, wet-look polished concrete floor reflecting the linear glow, dusk blue hour sky, shot on 50mm lens f/1.8 with creamy bokeh, luxury hospitality photography, photorealistic*