The Right Light for a Healthy Life

World's First and Only Circadian Light

Built on over 10 decades of science. Protected by 500+ patents. Engineered by OIO.

Circadian lighting is not a trend.
It's a biological necessity.

For more than a century, scientists have studied how light governs every cell in the body, regulating sleep, hormone balance, immune strength, cognition, and long-term health.

OIO transforms that science into architecture. Our patented technology delivers precision-tuned circadian light into built environments, automatically shifting throughout the day and evening to support human physiology.

What sunlight does outdoors, we recreate indoors - with control, consistency, and precision fidelity.



The Most Powerful Part of Light Is the Part You Can't See

Light is a Signal to Every Cell in Your Body

Every light source has a spectral fingerprint - a precise distribution of energy across different wavelengths. That fingerprint determines how the light interacts with your biology.

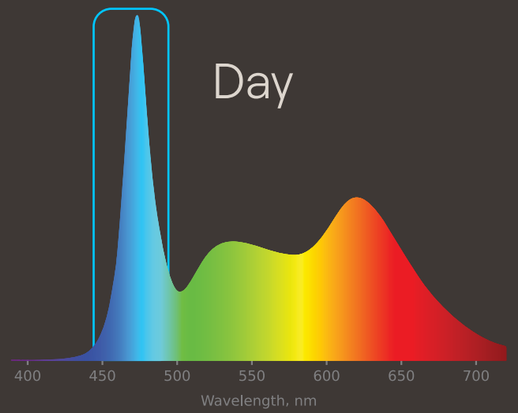
These charts show light spectra; they look like sideways rainbows – and indicate how much energy is in each part of light. The taller the section, the more energy that color is putting out.

The blue band of light **(440–495nm)** has extraordinary biological power for twilight hours. It sharpens focus, synchronizes your circadian rhythm, regulates hormones, and activates your immune system. Just like the morning sun. But at night, even small doses of this blue band of light delay melatonin, impair sleep, and disrupt cellular repair.

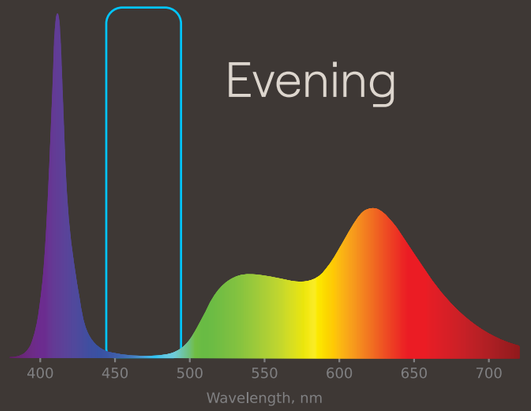
This isn't theory, it's backed by decades of circadian science, and it's been documented in over **25,000** peer reviewed studies.

The World Health Organization now classifies circadian disruption as a probable carcinogen. And Harvard researchers link nighttime blue light to cancer, diabetes, and metabolic disease.

At OIO, we purposefully engineer the spectrum itself. Our patented light engines, developed over 10 years and backed by **500+ patents**, manipulate energy output at the nanometer level - removing biologically disruptive wavelengths and tuning in those that promote cognition, rest, and recovery.



The presence of blue light promotes wakefulness.



The absence of blue light promotes melatonin production.

The Global Standard in Circadian Architecture

Products Built for Modern Commercial Spaces

Proprietary designs built for buildings where biology matters. Our circadian lighting delivers full-spectrum control in a variety of architectural formfactors.

We offer four leading commercial systems:

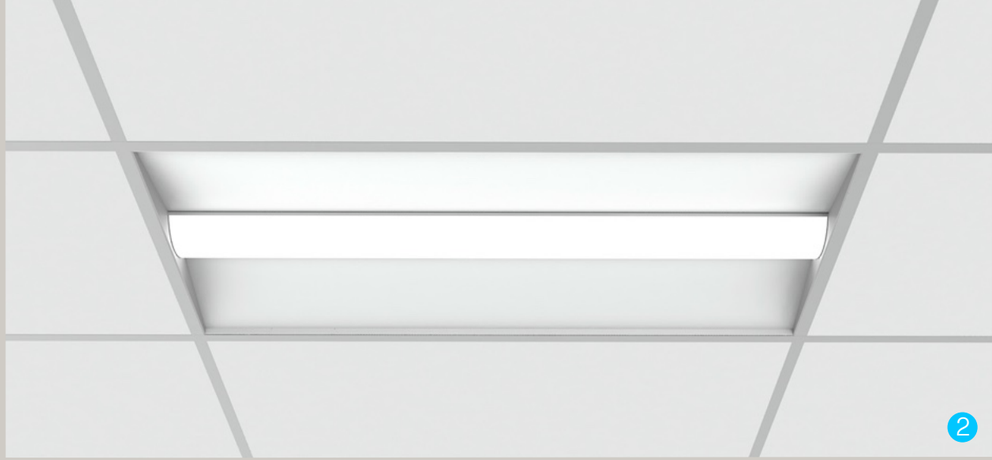
1 OIO Plane
Uniquely designed stretch membrane ceiling/wall panels designed for luxury environments.

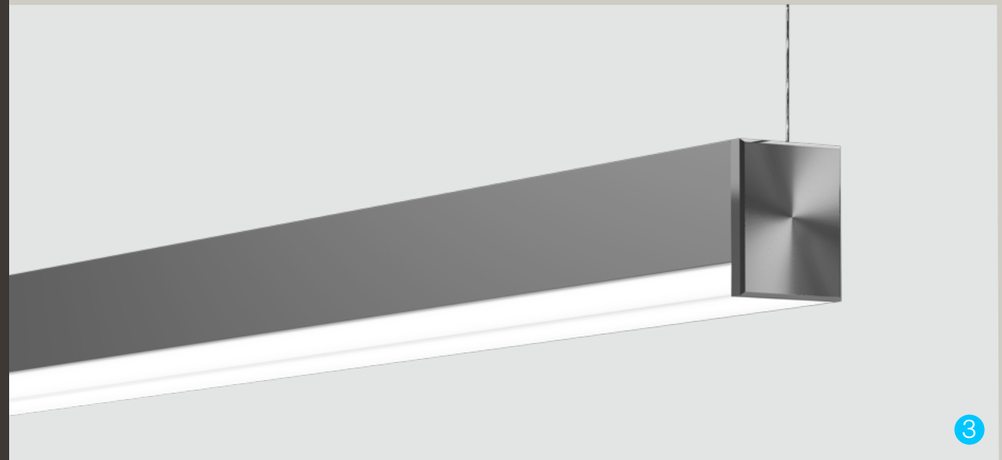
2 OIO Grid
Ceiling panels with discreet profiles, designed for wellness-first environments.

3 OIO Linear
Architectural linear fixtures with interchangeable optics tailored for office environments.

4 OIO Bar
Architectural accent linear platform engineered with your health in mind.









Biological Light, Built Into the Architecture

Light Is Not Neutral.
It's Not a Utility.

Humans are biological beings.
Our bodies respond to energy, and light is energy.
OIO Plane is the first circadian fixture engineered to disappear into the building and work for the body inside it.

OIO Plane delivers clinically tuned, circadian supportive light, energizing alertness during the day and protecting restorative rest at night.

Where architectural simplicity meets the science of human well-being.



OIO Plane









A Surface, Not a Fixture.

Just light, where light belongs.

OIO Plane is a uniquely designed stretch membrane back-lit by grazing from two sides, creating gradient scenes that match the colors and spectra of the sky. It installs into recessed pockets to create a seamless look that disappears into the architecture.

No grilles. No diffuser pattern. No fixture profile breaking the ceiling/wall plane.

We offer four leading commercial systems
- Hospitality and Luxury Hotel
- Gyms and Fitness Studios
- Multifamily Luxury Units

Invisible by design. Powerful by purpose. Light exactly where it belongs.

Lighting That Protects Health and Enhances Life

Light at the right time.

OIO Grid is engineered to work in sync with the body's internal clock, delivering energizing illumination when it's needed most and safeguarding restful nights.

This is light designed to preserve vitality, promote comfort, and help people thrive.

More comfort. More focus. More connection to the natural rhythm of life.



OIO Grid









Designed Into Every Environment

Built for the spaces where well-being is paramount.

OIO Grid integrates into standard ceiling grids and automates the transition from day to night, bringing circadian supportive light into spaces where other wellness lighting falls short.

Ideal for:
- Workplaces
- Senior Living
- Hospitality

The best lighting does more than illuminate a space. It elevates the experience of everyone within it.

Designed Around Human Rhythms

Light that adapts to the way people work.

The way we experience a space is shaped by light.

OIO Linear is engineered to align lighting with the body's natural biological rhythms, supporting focus, visual comfort, and well-being throughout the day.

By combining architectural simplicity with advanced circadian technology, OIO Linear helps create environments that enhance performance while maintaining a clean, contemporary aesthetic.

More energy. More comfort. More connection to the natural rhythm of life.

OIO Linear







Lighting That Works for People

Well-being designed into every space.

Throughout the day, OIO Linear automatically adjusts the spectral composition of light to provide the perfect circadian alignment our bodies naturally respond to.

During active hours, it promotes alertness, focus, and productivity. As the day progresses, our lighting technology transitions toward biological darkness, allowing the body to naturally prepare for evening wind-down and nighttime cellular repair.

Ideal for:
• Corporate Offices • Collaborative Workspaces
• Hospitality Environments • Educational Buildings
• Wellness Spaces • Adult Care Facilities
• Community and Gathering Areas

The best lighting does more than illuminate a space. It supports the health and wellbeing of those within it.

Permission to Be Bold

Precision light. Human-centered impact.

Light has the power to reveal architecture, transform materials, and define how a space is experienced.

OIO Bar combines precision grazing and washing optics with advanced circadian technology, allowing designers to highlight texture, create visual depth, and support occupant well-being throughout the day, evening and night.

From luxury hospitality environments to premium residential and commercial interiors, OIO Bar delivers light with exceptional control and biological purpose.

Reveal every surface.
Enhance every experience.

OIO Bar







Architectural Lighting Reimagined

Built for beauty.
Designed for people.

With the industry's broadest range of grazing and washing optics, OIO Bar provides exceptional flexibility for illuminating walls, architectural features,and textured surfaces. Narrow beam distributions create dramatic contrastand dimension, while wider beam angles deliver smooth, uniform illumination across large surfaces.

Designed with biologically aligned circadian technology, OIO Bar combines architectural expression with visual comfort and wellness to support the evolving needs of modern environments.

Ideal for:
- Luxury Hospitality
- High-End Residencial
- Corporate Lobbies
- Welness & Spa Environments
- Restaurants & Entertainment Venues

Where architectural expression meets

Circadian Metrics

Beyond brightness. Into biology.

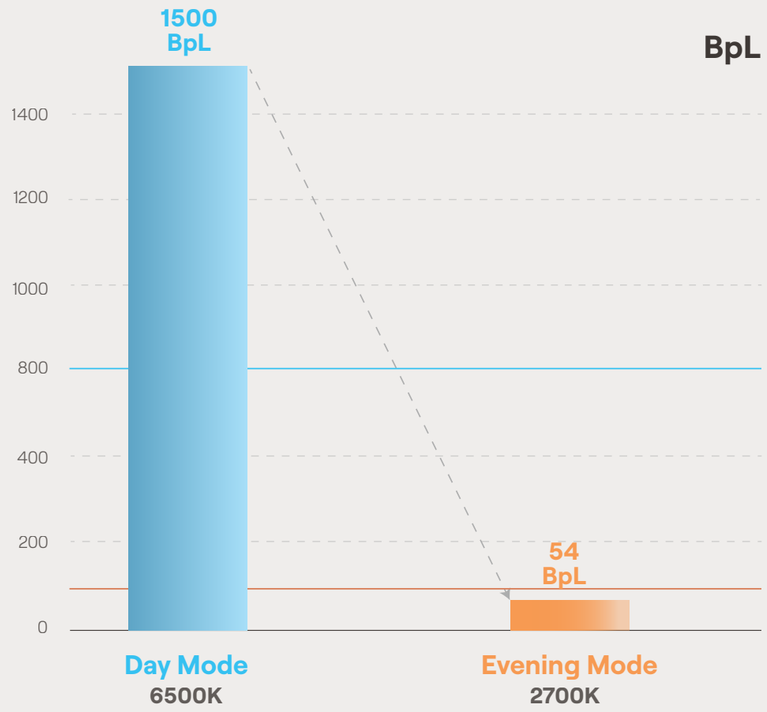
Most circadian metrics measure light. OIO measures what biology actually receives. We developed Blue per Lumen (BpL), a proprietetary measurement of the biologically active light delivered with every lumen, reflecting how the body reads light .

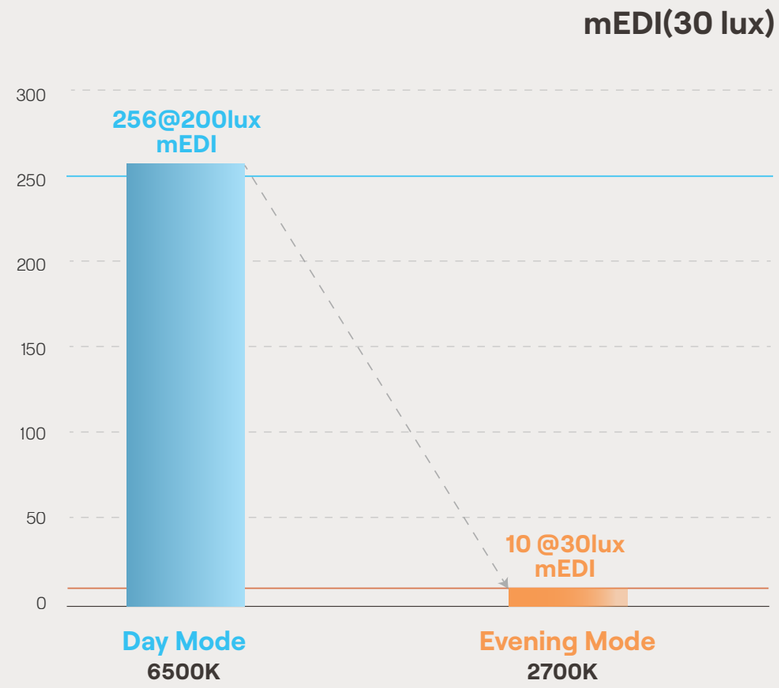
By day, OIO delivers a spectrum rich in biologicaly active blue light, the signal the body uses for alertness, focus, and entrainment.

By evening, that same fixture automatically shifts to a low-blue spectrum that promotes melatonin production and cellular repair. The shift mirrors the spectral arc of sunlight, from morning sky to evening biological darkness.

OIO also meets melanopic Equivalent Daylight Illuminance (mEDI), the recognized industry standard. We measure both because both matter.

Measured by science. Validated by biology.





Daytime Circadian Threshold

Evening Circadian Threshold

Evidence-Based Impact from OIO Circadian

Measurable Biological and Cognitive Effects

When circadian lighting is deployed with the correct spectrum, intensity, and timing, it does more than illuminate a space - it alters physiology.

In a year-long deployment inside a mission-critical control room, workers were exposed to biologically aligned light every hour of the day and night.

The results were tracked, measured, and verified:

- **67%** reduction in safety-critical errors.
- **50%** reduction in excessive sleepiness.
- **43%** reduction in pain medication use.

These outcomes reflect direct modulation of biological systems by circadian light impacting metabolism, hormonal cycles, and cognitive function.



Engineered Light, Grounded in Circadian Science

OIO technology, co-developed with Nobel-level collaborators, is engineered for uninterrupted performance in round-the-clock commercial environments and backed by **500+ patents.**

This is not simulated daylight. This is circadian stimulus, delivered with precision, stability, and biological relevance.

OIO is trusted by the world's most recognized brands for our proven impact, effortless integration, and enduring value.

We Don't Follow the Standard. We've Raised It.

Korrus's Chief Science Officer serves on the WELL Building Advisory Board.

We are actively engaged with the International WELL Building Institute to elevate the WELL standard for circadian and biologically aligned light, ensuring tomorrow's certified buildings deliver the biological outcomes today's research already demonstrates.

korrus | OIO



Designed for the Spaces That Shape How People Feel.

A small sample of valued customers.

Leading brands across hospitality, healthcare, workplace, and residential environments choose OIO to create spaces centered on human wellbeing.

By combining biological science with architectural integration, we help deliver environments that feeel better, perform better, and leave a lasting impression.



The Future of Healthy Lighting is Already Here.

Tuned to the body.
Trusted by design.
Let's bring light to life.

korrus | OIO

Explore our Scientific Foundation, Ongoing Research, and Case Studies.

OIO Technologies Improve Health, Safety and Performance

Lighting Should Support Circadian Rhythms

Case Studies