

Experience the Sky



2024-25 COLLECTION



CoeLux is an Italian company that designs and produces high-tech systems capable of **replicating the natural experience of the sun and sky** typically found in outdoor settings.

Objects are illuminated by the exceptional light from the sky, creating sharp, realistic sky-blue shadows: especially in an **underground environment**, the effect is so powerful that it can radically change our perception of reality. It allows us to rediscover natural light in the real world in a totally new and surprising way. CoeLux uses **advanced lighting technology** that can be controlled via smart home system or through the CoeLux App. CoeLux systems can be installed on the ceiling and - in some cases - on the wall.

The available collections are **High End, Long Sky, High Tech and Sky Line and Sky Spot**.



149,598,000 km

Three core technologies

A complete replication of the natural effect of the sky and sun within an artificial device.

Custom-made **high-brightness LEDs**.

A sophisticated system of **optics**.

A randomised dispersion of **nanoparticles** in a thin transparent material reproduces the same quality and amount of **Rayleigh scattering** that sun rays experience when crossing the atmosphere, which causes our sky to appear luminous and blue.

The Sun's distance from
planet Earth



Unique technology, true sensations

From day one, CoeLux has been making significant investments to create a unique value that only CoeLux can offer, with more than **150 IP rights between patents and patent applications filed worldwide**, along the whole value chain of sun-sky simulating devices and related technologies.



Revolutionizing Indoor Well-Being with CoeLux

Light is more than just a way to illuminate spaces; it's a fundamental aspect of our well-being. Natural light, in particular, plays a crucial role in regulating our circadian rhythms, the internal biological clocks that govern our sleep-wake cycles and overall health. As modern lifestyles increasingly take us away from natural light, especially in indoor environments, the need for innovative lighting solutions that mimic the qualities of daylight has become essential.

This is where CoeLux comes into play, introducing an innovative technology that recreates the experience of natural light indoors.



How CoeLux Brings the Sky Indoors

Daylight cannot be recreated without the combined reproduction of **Sunlight** and the **Skylight**.

True Sky Illusion

CoeLux recreates the realistic effect of the sky, providing depth and visual comfort with psychological benefits. Studies show that views of the sky reduce stress and improve mood.

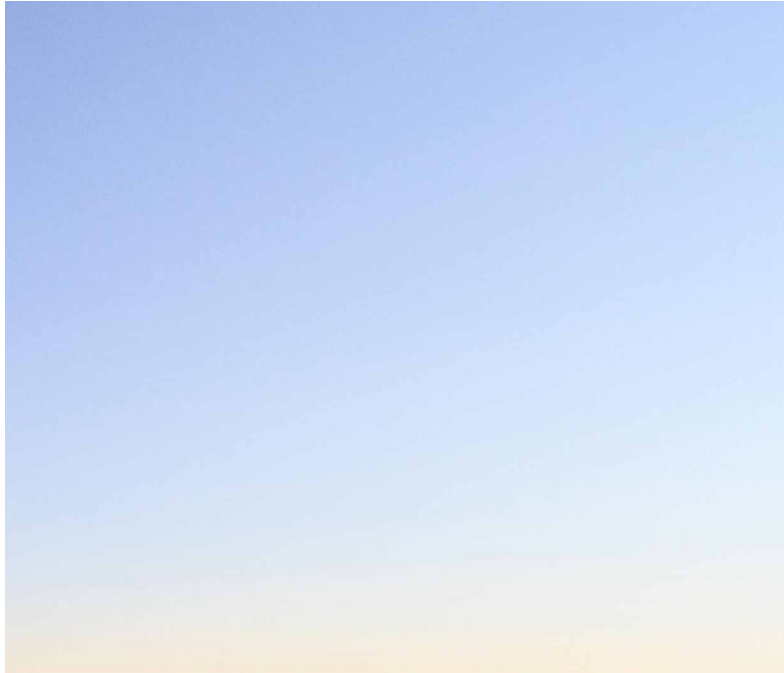
High-Quality Light

CoeLux delivers sunlight-like light, ensuring true-to-life colors and a comfortable, natural lighting environment that supports visual and biological well-being.

Dynamic Lighting

CoeLux replicates the natural changes in light throughout the day, promoting a healthy circadian rhythm even in enclosed spaces like offices, hospitals, or basements.

Set the atmosphere closest to your emotions



CoeLux products can be operated through a DALI, 0-10V or Casambi control system, working via Bluetooth, App or Keypad. A scene can be set in sync with the course of the day for one or more CoeLux devices, or several scenes can be integrated according to the environmental requirements.

Discover our Classic and Smart Sky version

The Classic version appears as a bright blue sky and features a dimmer function.

Smart Sky version allows you to recreate the passage of time from sunrise to sunset, enjoying gradually shifting colours and light intensity throughout the day.

Harnessing the Power of Circadian Light with CoeLux

What is Circadian Light?

Circadian light refers to natural changes in light intensity and color throughout the day, regulating hormones, sleep, and mood. Disrupting this cycle can cause circadian misalignment, contributing to sleep issues, mood disorders, and chronic health problems like obesity and heart disease.

The CoeLux Solution

CoeLux is at the forefront of lighting technology, offering a **solution that recreates the natural experience of sunlight and sky indoors.**

By simulating the appearance and properties of natural light, CoeLux not only enhances the aesthetics of indoor spaces but also **supports the well-being of occupants by aligning with their circadian rhythms.**



HRZ 01.12
CONFERENCE

HRZ 01.13

HRZ 00.08
CONFERENCE



The Positive Impact of CoeLux on Workplace Well-being: Enhancing Melatonin, Reducing Stress, and Boosting Productivity

Studies carried out in collaboration with international research institutes and universities have highlighted the positive effects of CoeLux on people in the workplace, such as increased melatonin production, reduced stress and improved work readiness.

The CoeLux Collection:

*5 product families
10 products with multiple options*

Families:

CoeLux High Tech

CoeLux Sky Line

CoeLux Sky Spot

CoeLux Long Sky

CoeLux High End

Products:

CoeLux High Tech 25 - Classic / Smart Sky

CoeLux High Tech 25 Mini - Classic / Smart Sky

CoeLux Sky Line - Classic / Smart Sky

CoeLux Sky Spot - Classic / Dynamic

CoeLux Long Sky Matte - Classic

CoeLux Long Sky Ice - Classic

CoeLux Long Sky Array - Classic

CoeLux 45 HC - Classic

CoeLux 45 LC - Classic

CoeLux 45 Square - Classic

CoeLux Products




Classic


Smart Sky


zenith


0.4-100%

CoeLux High Tech 25

High Tech Flat

Featuring a zenithal beam of light and a versatile design, CoeLux High Tech 25 encloses a 25 cm thick rectangular window with a clear and serene sky. Ideal for creating semi-continuous windows, it can give the perception of large portions of sky.



CoeLux HT25 Mini with
different light intensities
and chromaticisms




Classic


Smart Sky


zenith

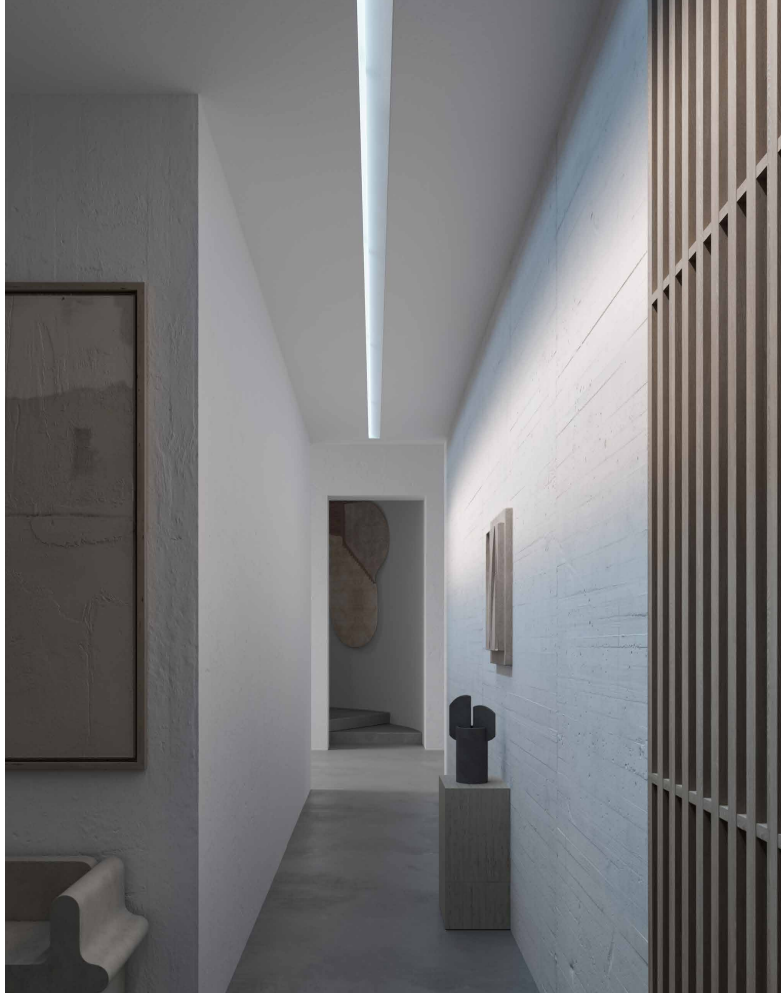

0.4-100%

CoeLux High Tech 25 Mini

Postcards from the sky

CoeLux High Tech 25 Mini is a compact unit that brings the sun and sky into settings where no natural light is available and is the perfect solution for small- to medium-sized domestic and business environments. A concentrated area of infinite blue emits a pleasing diffuse natural light in a vertical beam which can be used to focus attention on an object or a specific area.

CoeLux Sky Line with
different light intensities
and chromaticisms



CoeLux Sky Line

A visible reminder of the invisible sky

CoeLux Sky Line diffuses the original CoeLux natural lighting into the room through a minimalist, linear wall washer product. On the wall, an intense yellow directional light spot will evoke the sun, in harmonious contrast with the diffused blue light that characterises the CoeLux sky.



Classic



Dynamic



zenith



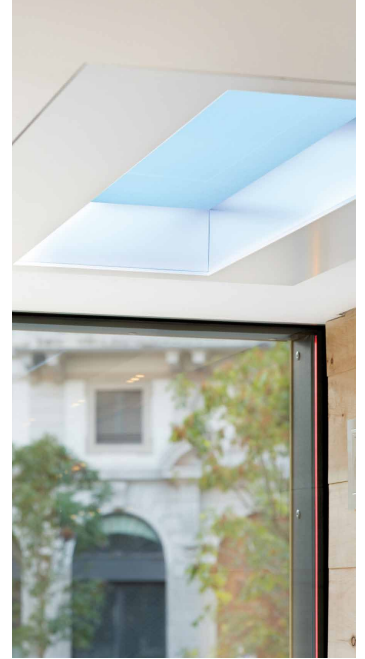
0.4%-100%

CoeLux Sky Spot

The essence of shapes

Sky Spot is a downlight that complements CoeLux's iconic systems with advanced Tunable White technology, offering a wide range of light tones while maintaining the brand's signature bichromatic effect. Whether used alone or with CoeLux Skylights, it recreates natural sunlight with warm hues and blue shadows through Rayleigh scattering, enhancing well-being and the perception of space.





Classic



45°



0.1-100%

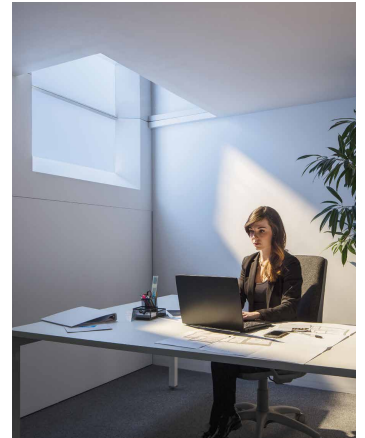
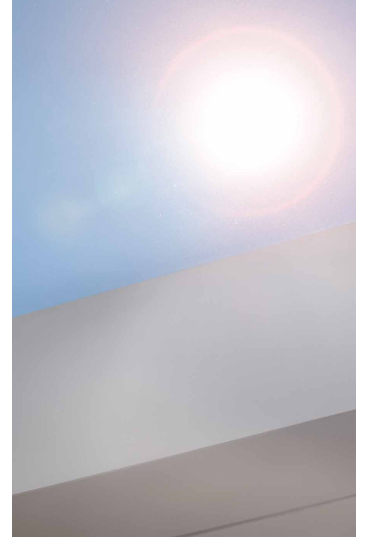
CoeLux Long Sky Collection

CoeLux Long Sky Matte, Ice and Array

An elongated window, available in three versions and versatile in its installation possibilities.

Framing the sky, an elegant matt finish frame outlines the CoeLux LS Matte system. Fitted with an aluminium-finished frame reflecting the blue light of the sky and an intense light emitted by the CoeLux sun, CoeLux LS Ice gives the viewer the perception of a larger portion of the sky, making the surrounding environment extremely bright.

Coelux LS Array allows you to create long corridors of sky. Each module is interrupted by a small geometric element that divides the window into two equal parts. The light projection on the wall, interspersed with small areas of shadow, gives the composition an extremely realistic effect.



CoeLux High End Collection

CoeLux 45 HC, 45 LC and 45 Square

What would the day be without night? Large windows enclose a blue sky of infinite depth and a clear sun, which can create soft spots of warm light. The Sun and Moon versions are available for the CoeLux 45 HC and 45 LC systems for a spectacular nocturnal scenario.

CoeLux 45 Square / The sensation of depth perceived by the viewer is amplified by the geometry of the system: the sharp, bright sun is reflected in the mirror placed on the ceiling.



Classic



45°



55-100%



CoeLux Sun & Moon

A spectacular night-time scenario that reconnects us with the first celestial object we can see clearly with the naked eye: the moon.

PRODUCT OVERVIEW

CoeLux HT25 / HT25 Mini

Some of the information may differ slightly depending on the versions



CoeLux High Tech 25

TECHNICAL INFORMATION:

SKYLIGHT SIZE	520 x 1070 mm 20.4 x 42.1"
WEIGHT	50 kg 110 lb
NECESSARY SPACE FOR INSTALLATION	1200 x 600 x h250 mm 47.2 x 23.6 x h9.8"





Classic



Smart Sky

IP20

VERSIONS AVAILABLE:

POWER INPUT	Classic 2 channels at 24 V DC	Smart Sky 2 channels at 24 V DC	
POWER CONSUMPTION	170 W (Max) - 170 W (Typical)	210 W (Max) - 210 W (Typical)	0.4-100%
TOTAL LIGHT OUTPUT	5900 lm	5300 lm (noon) - 4500 lm (sunset)	 zenith



CoeLux High Tech 25 Mini

TECHNICAL INFORMATION:

SKYLIGHT SIZE	492 x 233 mm 19.3 x 9.1"
WEIGHT	17.5 kg 38.5 lb
NECESSARY SPACE FOR INSTALLATION	630 x 371 x h250mm 24.8 x 14.6 x h9.8"





Classic



Smart Sky

IP65

VERSIONS AVAILABLE:

POWER INPUT	Classic 1 channel at 24 V DC	Smart Sky 1 channels at 24 V DC	
POWER CONSUMPTION	45 W (Max) - 42.5 W (Typical)	50 W (Max) - 46 W (Typical)	0.4-100%
TOTAL LIGHT OUTPUT	1600 lm	1400 lm (noon) - 1200 lm (sunset)	 zenith
MOUNTING OPTIONS	Recessed Trim Trimless Semi-recessed Surface mounted	Recessed Trim Trimless Semi-recessed Surface mounted	

PRODUCT OVERVIEW

CoeLux Sky Line / CoeLux Sky Spot

Some of the information may differ slightly depending on the versions



IP40

CoeLux Sky Line



TECHNICAL INFORMATION:

SKYLIGHT SIZE	1170 x 30 mm 46 x 1.2"		
WEIGHT	6 kg 13.2 lb		
NECESSARY SPACE FOR INSTALLATION	1200 x 220 x h120 mm 47.2 x 8.7 x h4.7"		

Classic

Smart Sky

VERSIONS AVAILABLE:



POWER INPUT	Classic 1 channel at 57 V 1200 mA cc	Smart Sky 1° channel (LED) at 57 V DC 1200 mA cc 2° channel (Smart Sky) at 24 V DC	
POWER CONSUMPTION	68 W (Max) - 68 W (Typical)	70 W (Max) - 70 W (Typical)	<-5%-100%
TOTAL LIGHT OUTPUT	2010 lm	1810 lm (noon) - 1430 lm (sunset)	
MOUNTING OPTIONS	<u>Recessed trimless</u>	<u>Recessed trimless</u>	45°



IP20

CoeLux Sky Spot

TECHNICAL INFORMATION:

WEIGHT	1 kg 2.2 lb	1,3 kg 2.8 lb		
NECESSARY SPACE FOR INSTALLATION	ø137 x h187 mm 5.3 x h7.3"	ø137 x h217 mm 5.3 x h 8.5"	Classic	Dynamic

Classic

Dynamic

VERSIONS AVAILABLE:

POWER CONSUMPTION	Classic 28 W	Dynamic 50 W	
TOTAL LIGHT OUTPUT	2400 lm	1600 lm	<-5%-100%
			
			45°

PRODUCT OVERVIEW

CoeLux Long Sky

Some of the information may differ slightly depending on the versions



CoeLux Long Sky Matte

TECHNICAL INFORMATION:

SKYLIGHT SIZE	1086 x 295 mm 42.8 x 11.6"
WEIGHT	30 kg 66 lb
NECESSARY SPACE FOR INSTALLATION	1200 x 600 x h460 mm 47.2 x 23.6 x h18.1"



Classic

IP20

VERSIONS AVAILABLE:

POWER INPUT	<u>On board drivers - included</u> 100-240 V~ 50/60 Hz	<u>Remote drivers - on request</u> 4 channels, 450 mA each channel, 42 V DC
POWER CONSUMPTION	100 W (Max) - 90 W (Typical)	80 W (Max) - 80 W (Typical)
TOTAL LIGHT OUTPUT	3300 lm	3300 lm



0.1-100%



45°



CoeLux Long Sky Ice

TECHNICAL INFORMATION:

SKYLIGHT SIZE	1086 x 295 mm 42.8 x 11.6"
WEIGHT	30 kg 66 lb
NECESSARY SPACE FOR INSTALLATION	1200 x 600 x h435 mm 47.2 x 23.6 x h17.1"



Classic

IP20

VERSIONS AVAILABLE:

POWER INPUT	<u>On board drivers - included</u> 100-240 V~ 50/60 Hz	<u>Remote drivers - on request</u> 4 channels, 450 mA each channel, 42 V DC
POWER CONSUMPTION	100 W (Max) - 90 W (Typical)	80 W (Max) - 80 W (Typical)
TOTAL LIGHT OUTPUT	4300 lm	4300 lm



0.1-100%



45°



CoeLux Long Sky Array

TECHNICAL INFORMATION:

SKYLIGHT SIZE	498 x 295 mm (x2) 19.6 x 11.6" (x2)
WEIGHT	24 kg 55 lb
NECESSARY SPACE FOR INSTALLATION	1159 x 500 x h460 mm 45.6 x 19.7 x h18.1"



Classic

IP20

VERSIONS AVAILABLE:

POWER INPUT	<u>On board drivers - included</u> 100-240 V~ 50/60 Hz	<u>Remote drivers - on request</u> 4 channels, 450 mA each channel, 42 V DC
POWER CONSUMPTION	100 W (Max) - 90 W (Typical)	80 W (Max) - 80 W (Typical)
TOTAL LIGHT OUTPUT	3000 lm	3000 lm
FRAME OPTIONS	<u>Head</u> <u>Middle</u> <u>Single</u>	<u>Head</u> <u>Middle</u> <u>Single</u>



0.1-100%



45°

PRODUCT OVERVIEW

CoeLux High End

Some of the information may differ slightly depending on the versions



IP20

CoeLux 45 HC

TECHNICAL INFORMATION:

SKYLIGHT SIZE	1710 x 850 mm 67.3 x 33.5"
WEIGHT	300 kg 660 lb
NECESSARY SPACE FOR INSTALLATION	3759 x 2491 x h1210 mm 148 x 98.1 x h47.6"

VERSIONS AVAILABLE:

POWER INPUT	Sun Plus 100-240 V~ 50/60 Hz	Sun Plus & Moon 100-240 V~ 50/60 Hz
POWER CONSUMPTION	300 W (Max) - 270 W (Typical)	300 W (Max) - 270 W (Typical)
TOTAL LIGHT OUTPUT	4700 lm	4700 lm - ~10 lm in a Moon state
FRAME OPTIONS	<u>Recessed flushed</u> <u>Ceiling mounted</u>	<u>Recessed flushed</u> <u>Ceiling mounted</u>



Classic



55-100%



45°



IP20

CoeLux 45 LC

TECHNICAL INFORMATION:

SKYLIGHT SIZE	960 x 460 mm 37.8 x 18.1"
WEIGHT	300 kg 660 lb
NECESSARY SPACE FOR INSTALLATION	2376 x 1913 x h923 mm 93.6 x 75.3 x h36.3"

VERSIONS AVAILABLE:

POWER INPUT	Sun Plus 100-240 V~ 50/60 Hz	Sun Plus & Moon 100-240 V~ 50/60 Hz
POWER CONSUMPTION	300 W (Max) - 270 W (Typical)	300 W (Max) - 270 W (Typical)
TOTAL LIGHT OUTPUT	4800 lm	4800 lm - ~10 lm in a Moon state
FRAME OPTIONS	<u>Recessed flushed</u> <u>9 cm</u> <u>Ceiling mounted</u>	<u>Recessed flushed</u> <u>9 cm</u> <u>Ceiling mounted</u>



Classic



55-100%



45°



IP20

CoeLux 45 Square

TECHNICAL INFORMATION:

SKYLIGHT SIZE	974 x 445 mm 38.3 x 17.5"
WEIGHT	300 kg 660 lb
NECESSARY SPACE FOR INSTALLATION	2376 x 1885 x h1656 mm 93.6 x 74.2 x h65.2"

VERSIONS AVAILABLE:

POWER INPUT	Sun Plus 100-240 V~ 50/60 Hz
POWER CONSUMPTION	300 W (Max) - 270 W (Typical)
TOTAL LIGHT OUTPUT	4500 lm



Classic



55-100%



45°

Redefining Indoor Lighting with CoeLux

What sets CoeLux apart from other lighting products is our **dedication to truly mimicking natural sunlight, both in terms of spectral quality and the sense of depth and sky effect.** While many lighting systems focus on basic color temperature adjustments, CoeLux recreates the **experience of real sunlight**, giving you the psychological and physiological benefits of the outdoors, indoors.

With our patented technology and years of research, CoeLux delivers an unmatched lighting experience, making every space feel open, bright, and **connected to nature.**

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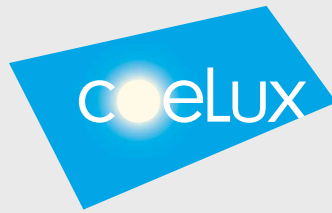
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