

Bright™

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Ewindow™

Sunlight Reimagined for Indoor Brilliance





Ewindow™

Ewindow™, the cutting-edge artificial sunlight system, utilizes the latest in lighting technology to emulate the natural sunlight spectrum, replicate sunlight lighting scenarios, and simulate dynamic shifts in sunlight color. This innovation offers an unparalleled sunlight experience indoors.

- Natural scene replication with high-quality blue skies and lifelike clouds
- Authentic sunshine that adheres to the natural sunlight spectrum
- Dynamic daylight simulation that mirrors the natural transition from dawn to dusk
- Patented product with ETL certification
- Ultra thin panels with various sizes and mounting options
- Five year limited warranty

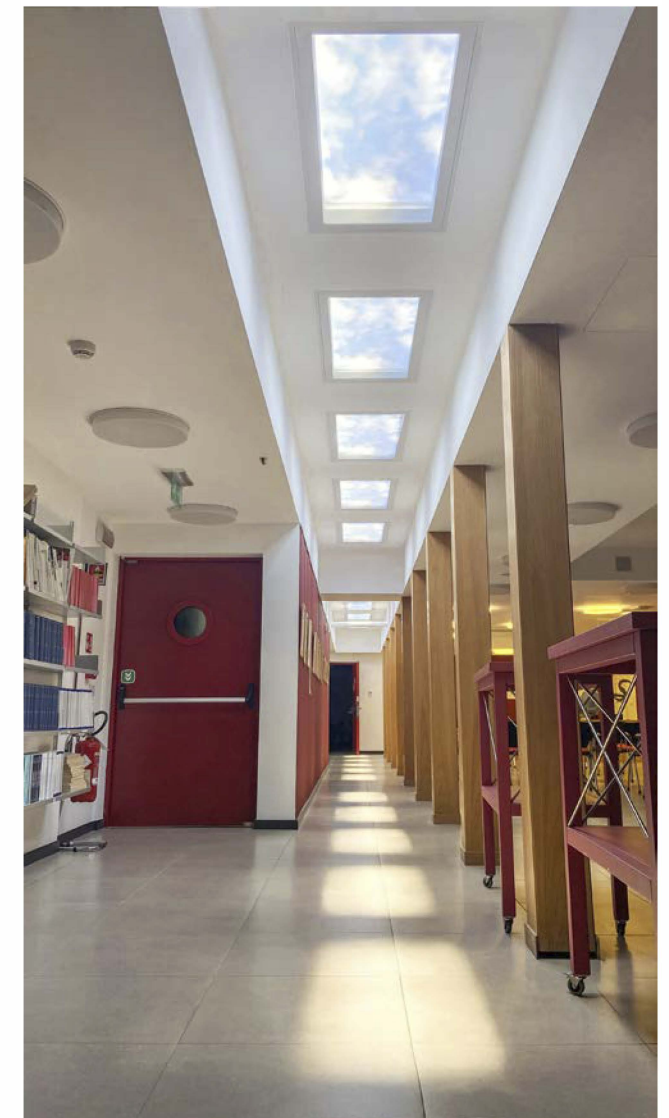
Ewindow™ Lighting Effects



Light Off

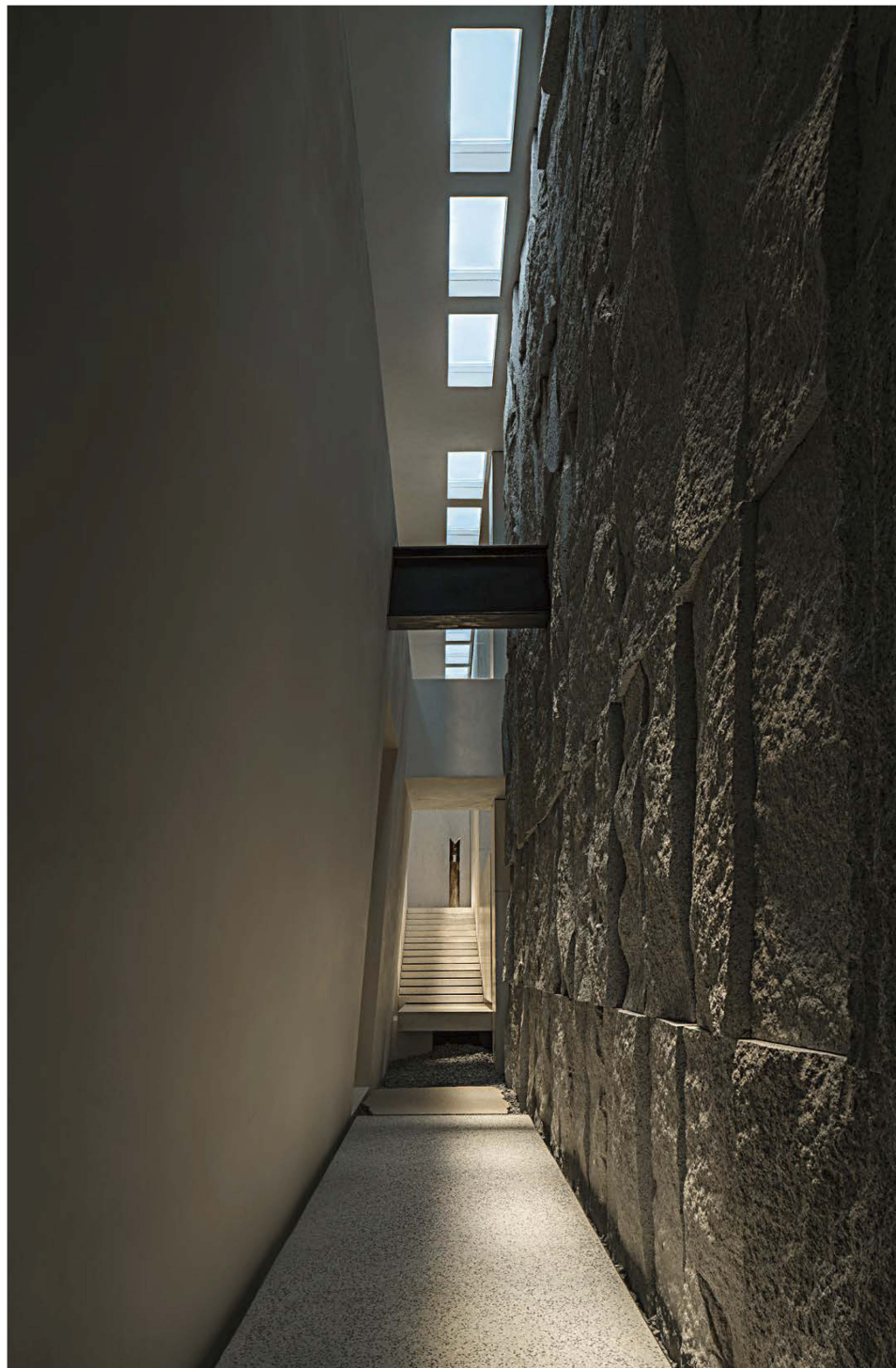


Skylight



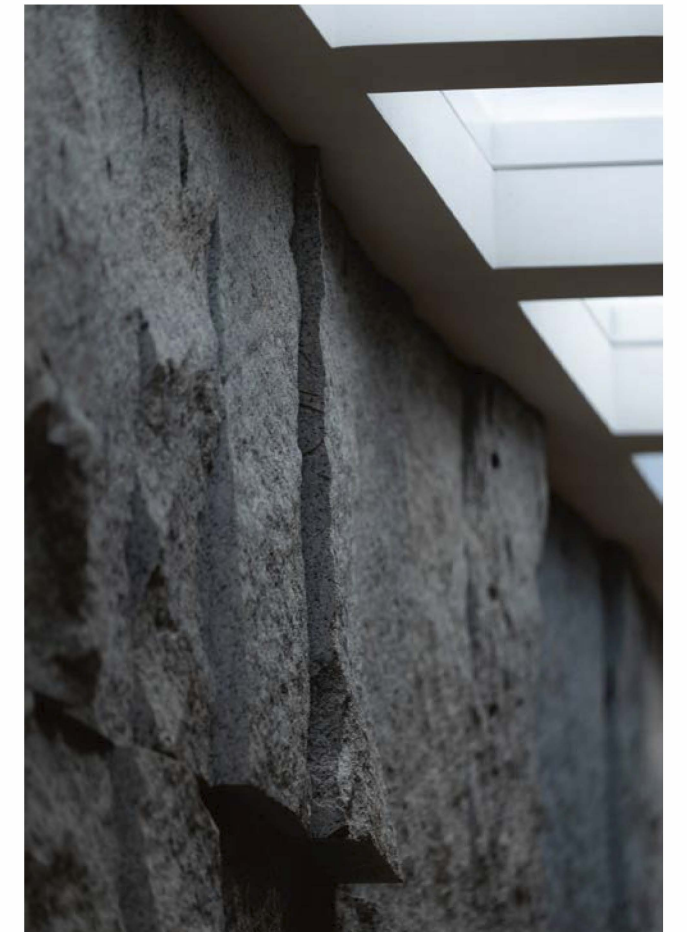
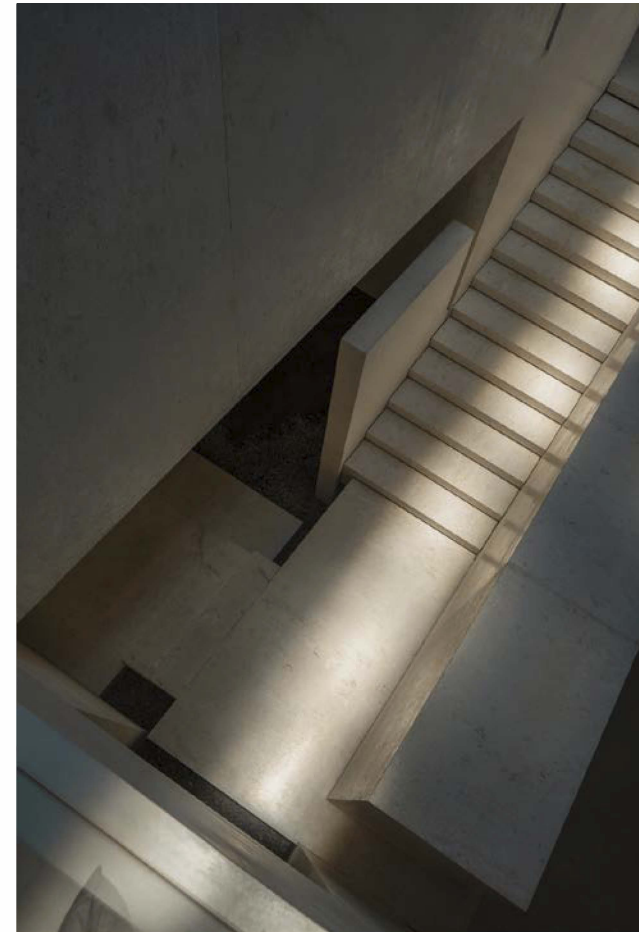
Sunlight

Project: Basement
Composition: Skylight + Sunlight
Product: Ewindow™-1206 /Cloud View Version



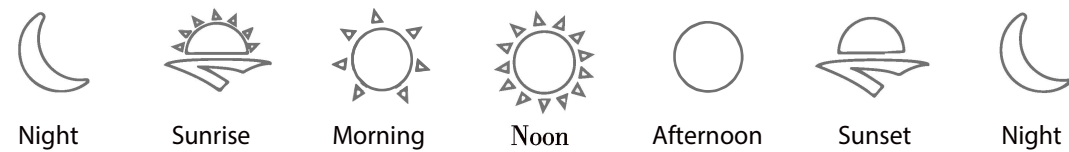
Illuminance(3m/10ft): 5000⁺ lux
Illuminance(10m/33ft): 1500⁺lux

Ewindow™ Lighting Intensity



Project: Canyon
Beam angle: 7°
Installation height: 10m / 33'
Product: Ewindow™-1206/Blue Skies Version

Intelligent Control



Ewindow™ - Artificial Sunlight System

Ewindow™ synchronizes with the 24-hour daylight cycle, replicating the natural environment from sunrise to sunset. It can also mimic the duration of sunshine based on the latitude of various locations.

DALI /APP /Wired Mode/Wireless Mode/Timer/Dimming/Password Protection/Latitude Adjustment/Memory Features



Wall-Mounted Control Panel

- Automatic mode: Light adjusts according to the 24-hour sunlight cycle.
- Manual mode: Allows for user-controlled adjustments of light color and brightness.
- Radio frequency transmission signal.



Mobile App

- Bluetooth transmission signal.
- Remembers the last state upon exit.
- App control for turning the Ewindow™ on or off.



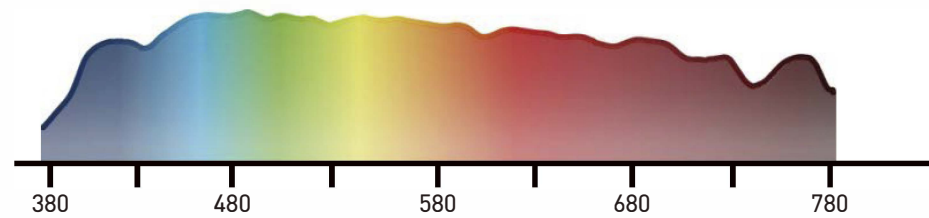
Digital
Addressable
Lighting Interface

DALI

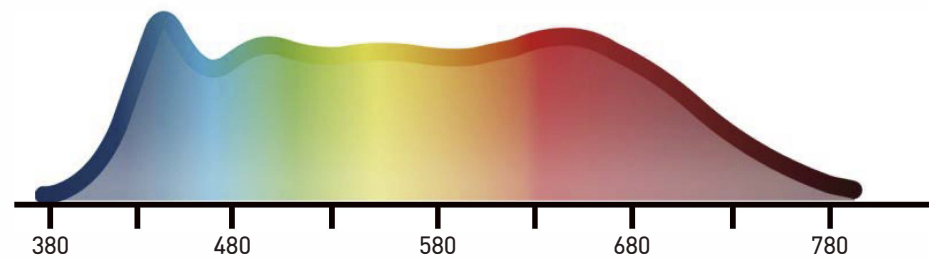
- Device Type 6 (DT6)
Device Type 8 (DT8)
Can adjust light and color temperature

Light Spectrum and CRI

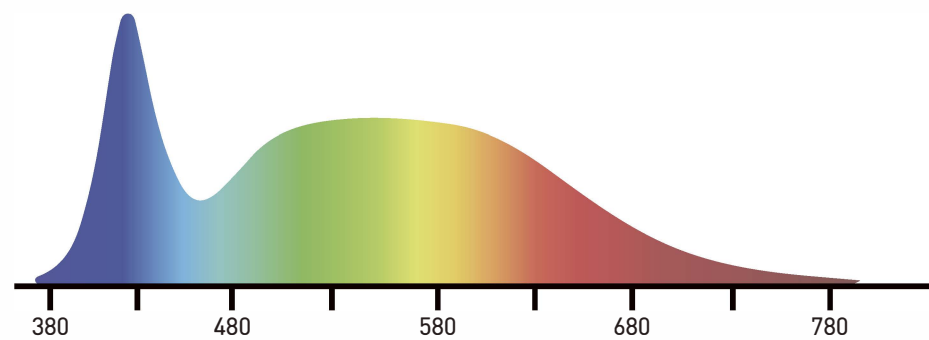
Selected through extensive experimental research, Ewindow™ utilizes LEDs that closely match the sunlight spectrum by employing various phosphor ratios, thereby delivering superior light color quality.



Sunlight full spectrum

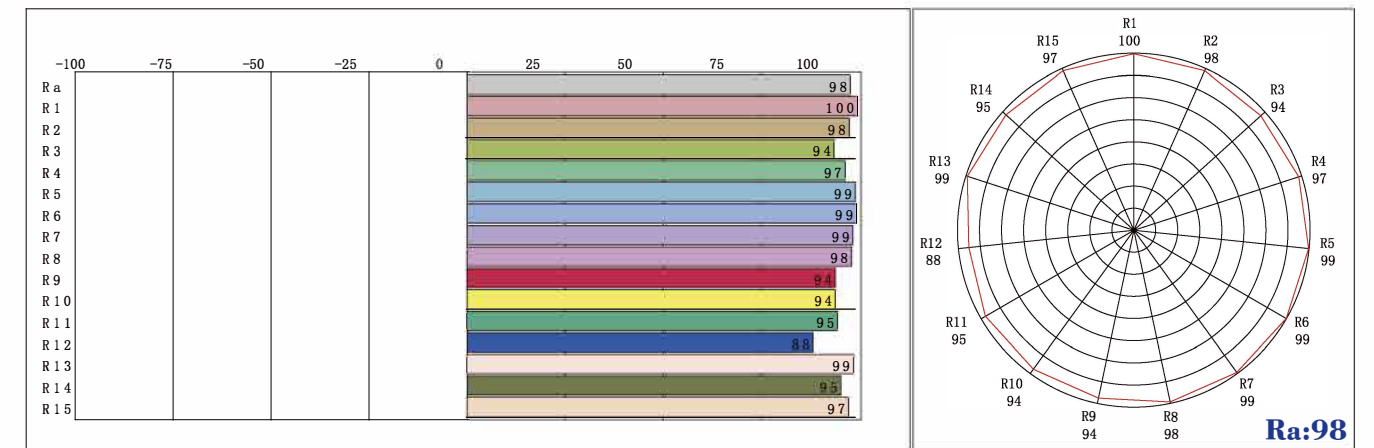


Ewindow spectrum : closely mimics sunlight

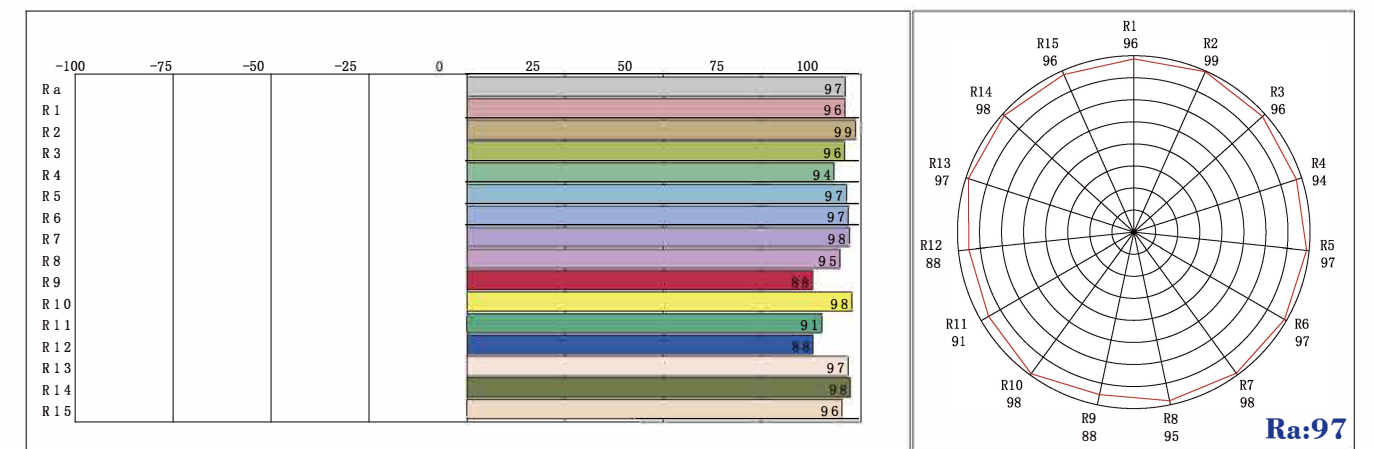


Standard LED spectrum

The color rendering index is a numerical value that indicates the quality of a light source in terms of color reproduction. A value close to 100 signifies the highest quality of color rendering.



CRI of Ewindow Daylight White LED



CRI of Ewindow Warm White LED



EWINDOW™-1212S: 4'x 4'

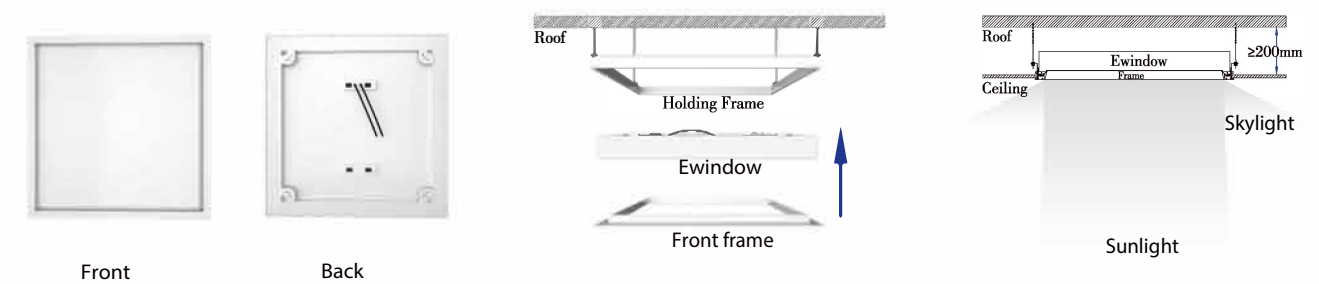
- Dynamic sky, with realistic moving clouds
- Multiple Ewindow™ panels create a continuous view of a blue sky with clouds
- Simulate sunlight changes that occur over the daily light cycle
- Large view of sky with narrow frame border

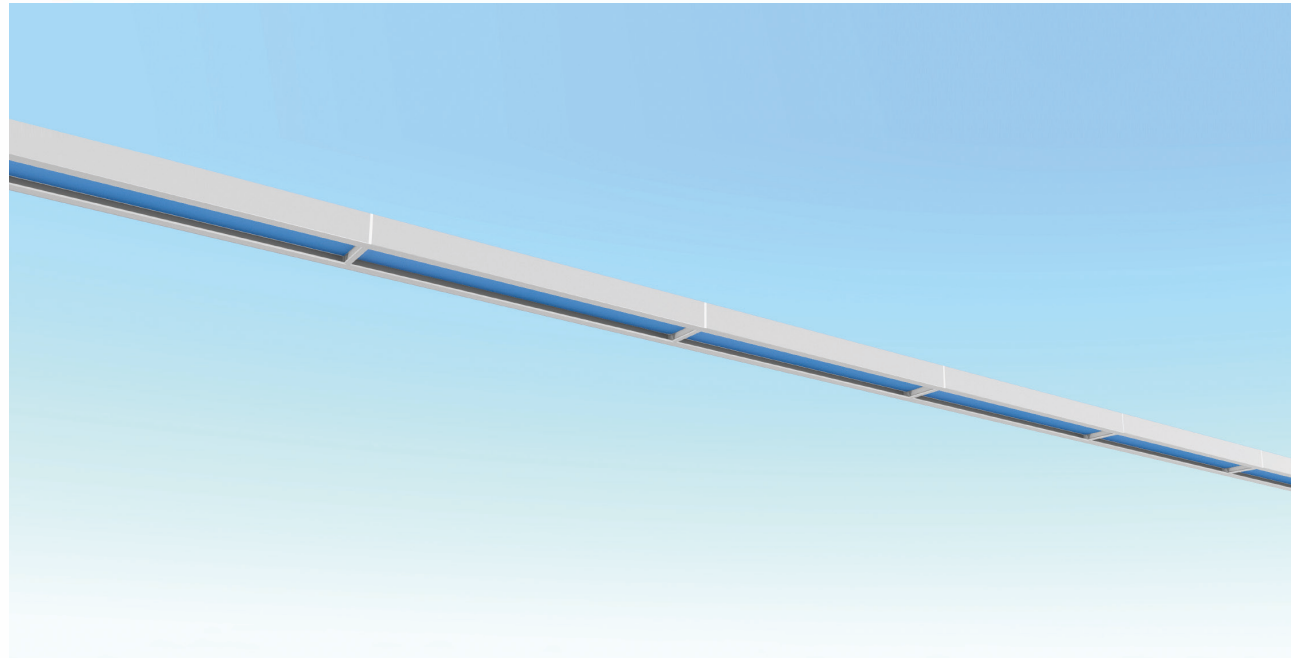
Specification :

Power	: 415W	Control Method	: APP, Panel, DALI
Voltage	: 90-277Vac	Dimming Range	: 0-100%
Illuminance @3m /10ft	: 3000lux	Shell Material	: Aluminum alloy
CCT	: 2500-10000K	Surface Material	: Tempered glass
Ra	: 98	Weight	: 40kg / 88lb
Light Optic	: 90°	IP	: 20
Life time	: 50000 Hrs	Operating temperature	: -20-40°C
Sky Effect	: Dynamic Clouds	Certification	: ETL, CE, CCC

Recessed Installation : Insert Ewindow into the recessed frame, then attach the front frame.

Ewindow Size	: 1170*1170*121mm	Recessed Frame Size	: 1210*1210*68mm
Sky Size	: 1080*1080mm	Front Frame Size	: 1220*1220*52.8mm
Rough Opening	: 1195*1195mm	Border width when spliced	: 65*2=130mm / 5"
Ceiling Height	: ≥ 200mm / 8"		





EWINDOW™-1503: 5'x 1'

Two options of lighting pattern for two applications

- Linear installation with a longitudinal ultra-narrow joint gap of 22mm
- Simulates 24-hour sunlight changes
- Bright sunshine that follows the sunlight spectrum
- Ewindow™-1503E: 30-degree angled sunshine
- Ewindow™-1503W: Wall grazer

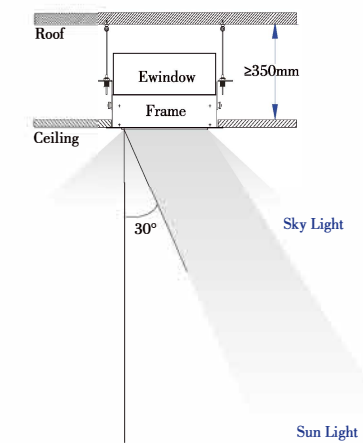
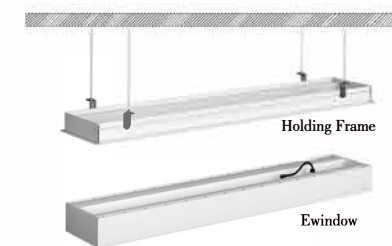
Specifications

Power	: 92W	Control Method	: APP, Panel, DALI
Voltage	: 90-277Vac	Dimming Range	: 0-100%
Illuminance @3m / 10ft	: 3000lux	Shell Material	: Aluminum alloy
CCT	: 2500-10000K	Surface Material	: Tempered glass
Ra	: 98	Weight	: 16.4kg / 36lb
Light Optic	: 30° : Wall Grazer	IP	: 20
Life time	: 50000 Hrs	Operating temperature	: -20-40°C
Sky Effect	: Blue Skies	Certification	: ETL, CE, CCC

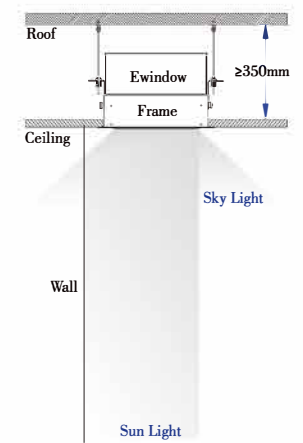
Recessed Installation

Insert Ewindow into the recessed frame, then attach the front frame.

Ewindow Size	: 1481*270*116mm	Plenum Height (one Ewindow)	: ≥ 350mm/14"
Sky Size	: 1459*181mm	Height (above one Ewindow):	≥ 280mm
Rough Opening	: 1496*282mm	Plenum Height (Ultra-thin version)	: ≥ 150mm
Recessed Frame Size	: 1521*309*79.5mm	Border width when spliced	: 11*2=22mm / 0.85"



EWINDOW-1503E



EWINDOW-1503W



Front (Cloud View Version)

Front (Blue Skies Version)

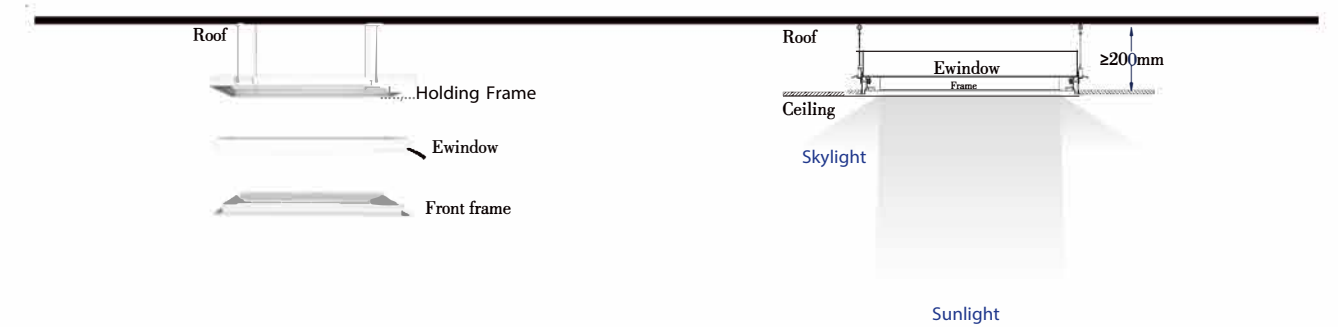
Back

Specifications

Power	: 240W	Control Method	: APP, Panel, DALI
Voltage	: 90-277Vac	Dimming Range	: 0-100%
Illuminance @ 3m / 10ft	: 5000lux	Shell Material	: Aluminum alloy
CCT	: 2700-10000K	Surface Material	: Tempered glass
Ra	: 98	Weight	: 16kg / 35.5lb
Light Optic	: 90°	IP	: 50
Life time	: 50000 Hrs	Operating temperature	: -20~40°C
Sky Effect	: Blue Skies/Cloud View	Certification	: CE,ETL,CCC,SAA,PSE

Recessed Installation

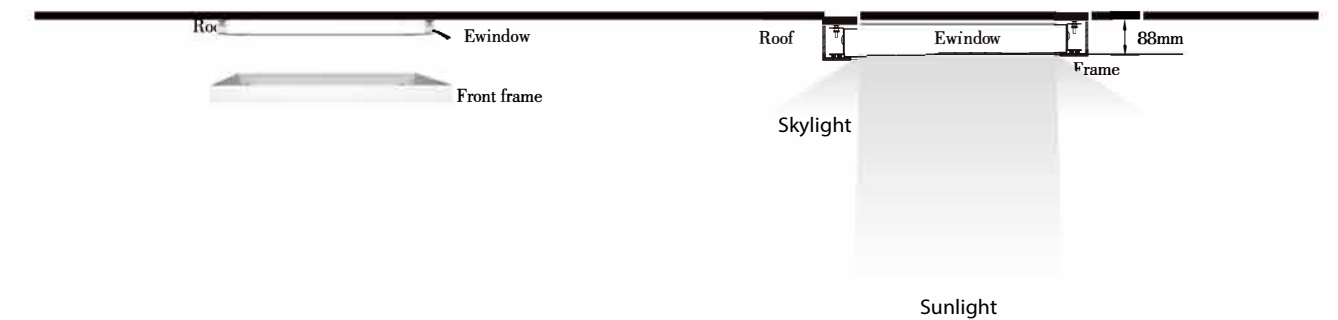
: Insert Ewindow into the recessed frame, then attach the front frame.



Ewindow™ Size	: 1170*570*73mm	Recessed Frame Size	: 1200*600*60mm
Sky Size	: 1060*460mm	Front Frame Size	: 1158*558*67mm
Rough Opening	: 1180*580mm	Border width when spliced	: 62*2=124mm 5"
Plenum Height	: ≥ 200mm / 8"		

Surface Installation

: Secure the Ewindow to the ceiling with accessories, then install the front frame.



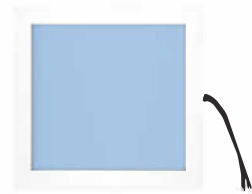
Ewindow™ Size	: 1170*570*73mm	Front Frame Size	: 1180*680*88mm
Sky Size	: 1060*460mm	Border width when spliced	: 72*2=144mm / 6"
Finished Height	: 88mm / 3.5"		



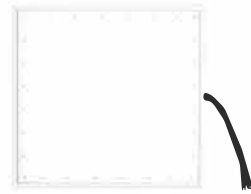
EWINDOW™-0606
2' x 2'



Front (Cloud View Version)



Front (Blue Skies Version)



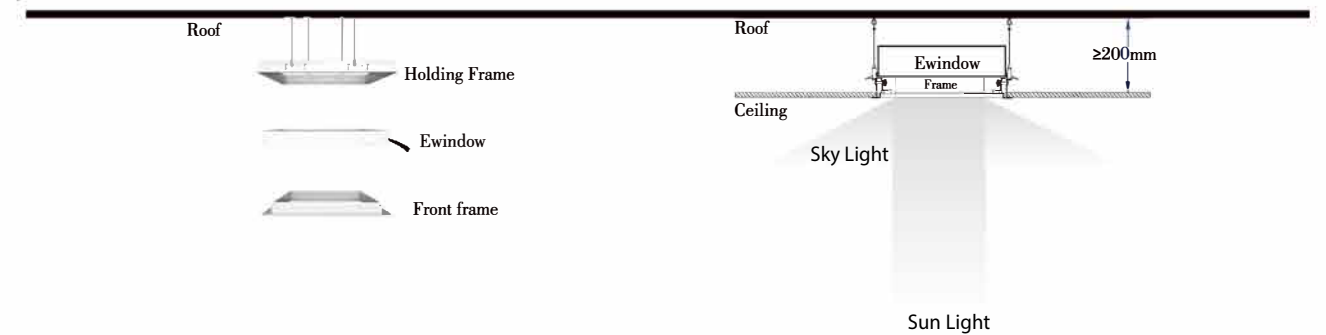
Back

Specifications

Power	: 120W	Control Method	: APP, Panel, DALI
Voltage	: 90-277Vac	Dimming Range	: 0-100%
Illuminance @ 3m / 10ft	: 3500lux	Shell Material	: Aluminum alloy
CCT	: 2700-10000K	Surface Material	: Tempered glass
Ra	: 98	Weight	: 8kg / 17.5lb
Light Optic	: 90°	IP	: 50
Life time	: 50000 Hrs	Operating temperature	: -20~40°C
Sky Effect	: Blue Skies/Cloud View	Certification	: CE,ETL,CCC,SAA,PSE

Recessed Installation

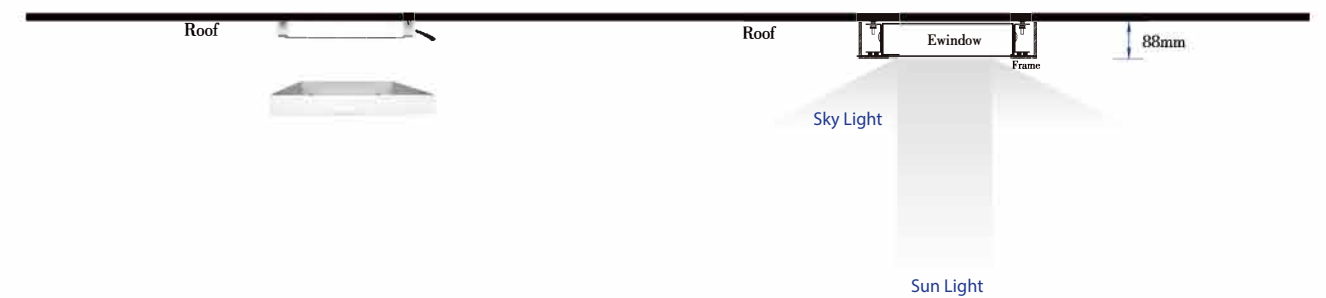
Insert Ewindow into the recessed frame, then attach the front frame.



Ewindow Size	: 570*570*73mm	Recessed Frame Size	: 600*600*60mm
Sky Size	: 460*460mm	Front Frame Size	: 558*558*67mm
Rough Opening	: 580*580mm	Border width when spliced	: 62*2=124mm / 5"
Plenum Height	: ≥ 200mm / 8"		

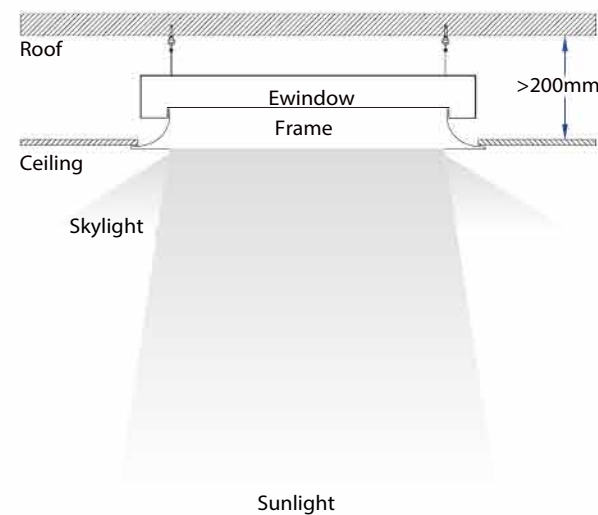
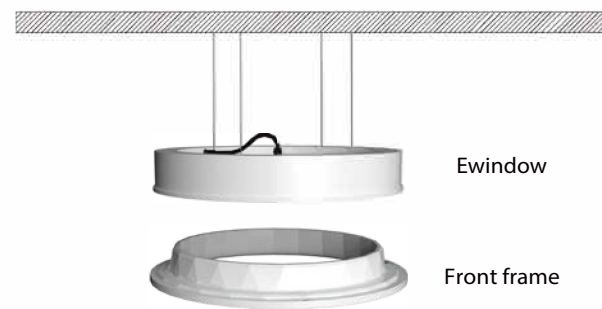
Surface Installation

Secure the Ewindow to the ceiling with accessories, then attach the front frame.



Ewindow Size	: 570*570*73mm	Front Frame Size	: 680*680*88mm
Sky Size	: 460*460mm	Border width when spliced	: 72*2=144mm / 5.6"
Finished Height	: 88mm / 3.5"		

EWINDOW™-06R Coming Soon...



Ewindow Size	: Diameter=605mm, Height=93mm
Front Frame Size	: Diameter=620mm, Height=80mm
Sky Size	: Diameter=500mm
Rough Opening	: Diameter=625mm
Plenum Height	: at least 200mm

Specifications :

Power	: 100W
Voltage	: 90-277Vac
Illuminance @ 3m / 10 ft	: 3000lux
CCT	: 2500-10000K
Ra	: 98
Light Optic	: 90°
Life time	: 50000 Hrs
Sky Effect	: Blue Skies

Control Method	: APP, Panel, DALI
Dimming Range	: 0-100%
Shell Material	: Aluminum alloy
Surface Material	: Plastic
Weight	: 10kg / 22lb
IP	: 20
Operating temperature	: -20~40°C
Certification	: CE, ETL, CCC

Control Panel



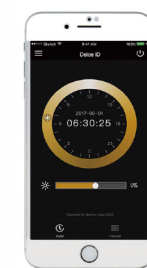
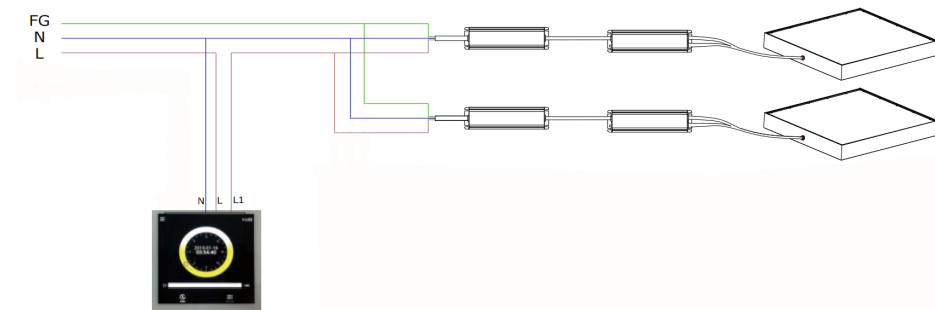
Front



Back



Side



Ewindow App

Power	: 3.5 W
Voltage	: 90-277Vac
Material	: Plastic
Weight	: 0.5kg / 1lb
Size	: 86*86*38mm /3.5"
Load Power	: 1000W max
Load Current	: 8A max
RF Communication	: 50m / 164ft
Distance Bluetooth Receiver	: 10m / 33ft
Life time	: 50000H

The control panel requires both neutral and oad wires for power. It includes an RJ45 connector for wired mode. The communication distance and Bluetooth receiver distance apply when there are no metal or wall obstructions



The Pantheon

Salute to The Sunshine

Eight Ewindow™ panels are combined to simulate a circular opening in the ceiling.

Simulates a beam of sunlight shining directly indoors

Project: Sales Center

Ewindow-1206 4'x2'

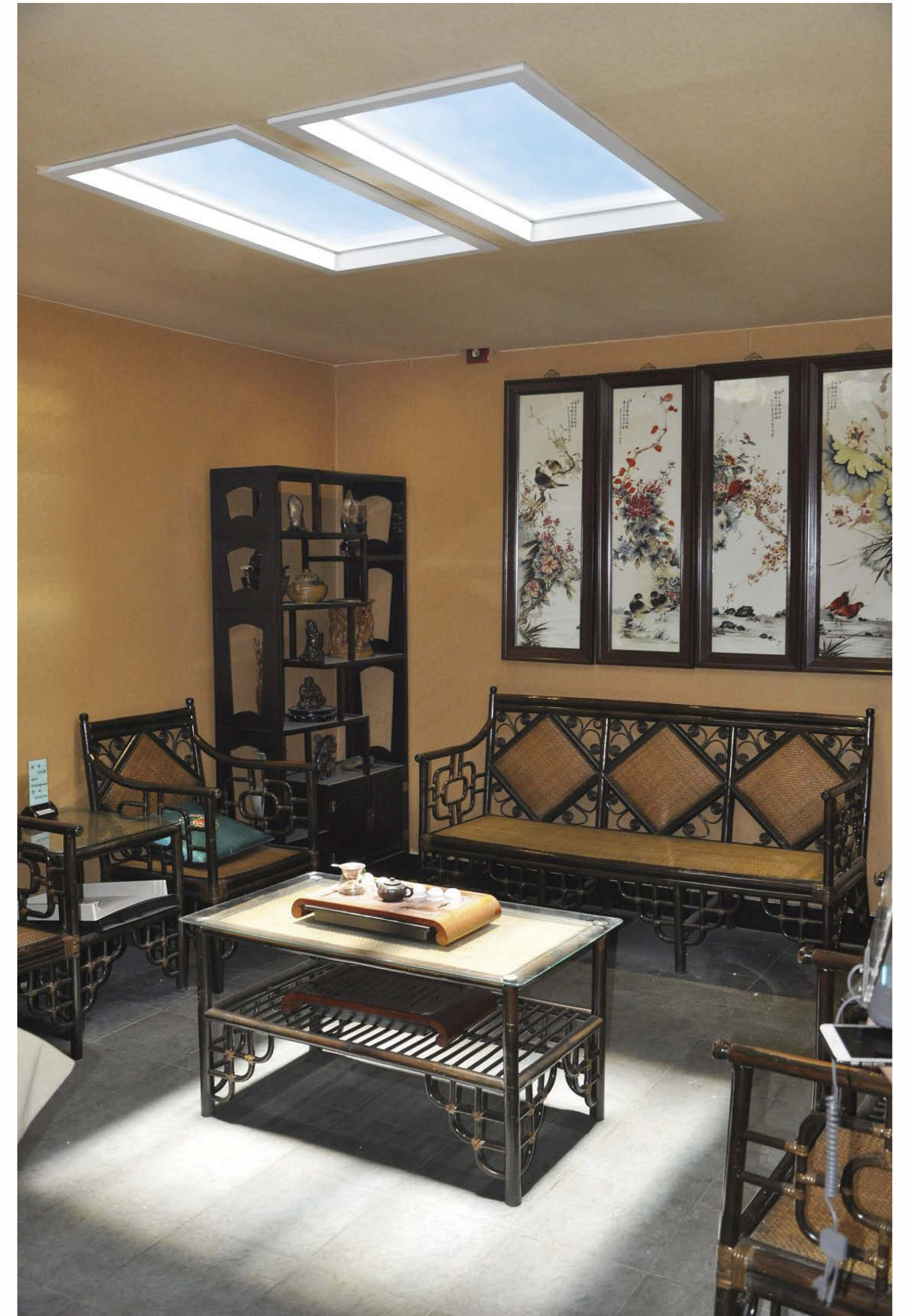
Cloud View version



Basement Space

According to surveys, more than 40% of indoor spaces lack sunlight. Spaces with insufficient sunlight can have a dark and depressing atmosphere. Prolonged absence of sunlight exposure can easily lead to mental illness. Sunlight is vital for any space. Using EWINDOW™ as a supplement to indoor lighting restores the vitality of the space and revitalizes its use. The presence of a blue sky also adds color to the space.

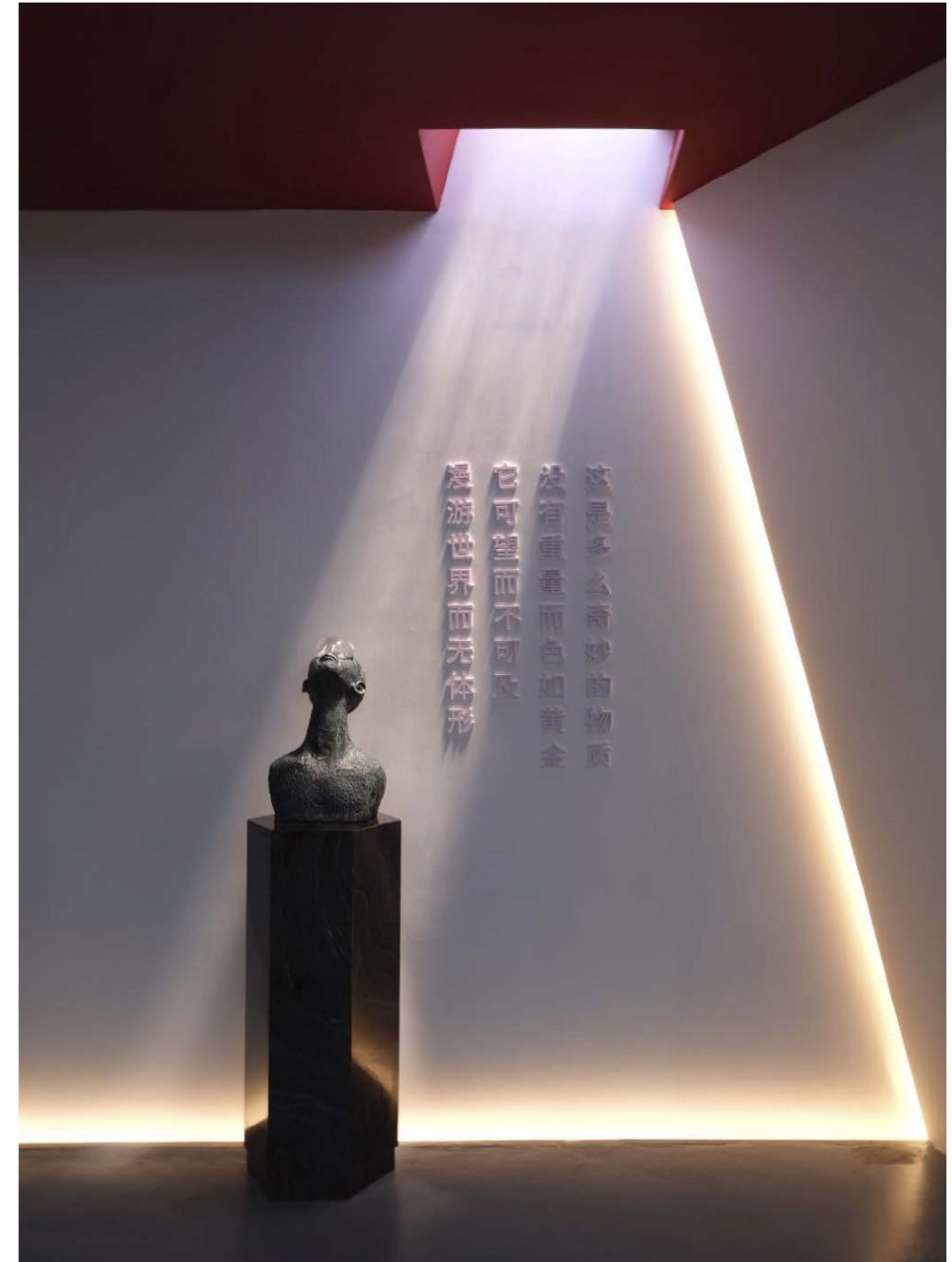
Project: Basement Tea Room
Vertical sunlight on tea table
Ewindow™-1206 2'x4'/Blue Skies Version





Enclosed space

Project: Lighting Pattern in Corridor
Product: Ewindow-1503E



Museum

Project: Highlighting an Art Object Product:
Ewindow2-0606/Blue Skies Version

Theme Park Realistic Sky with Dynamic Clouds

Ewindow™-1212S features an ultra-narrow bezel design and an all-in-one ultra-large light outlet. The combination of multiple lights enables linkage of various sky images, resulting in an extremely stunning visual effect.

Ewindow™-1212S uses an all-aluminum alloy body and a tempered glass surface, ensuring safety and reliability. When the panels are turned off, the sky appears white; when turned on, the sky turns blue.



Project: Theme Park Meeting Hall
Product: Multiple Ewindow™-1212S
panel with moving cloud effects

Indoor Courtyard

EWINDOW™ employs precision micro-optical technology to direct light, effectively highlighting specific areas. It simulates sunlight patterns in every aspect, from shape and illumination to light quality.

Regardless of the external weather, inside there is warm sunshine and a blue sky. The dynamic sky effects, including a clear blue sky, white clouds, dusk, and other sky scenes are available at the touch of a control panel.



Project: Indoor Courtyard
Four Ewindow™ Panels
Product: Ewindow-1212S/Dynamic Clouds

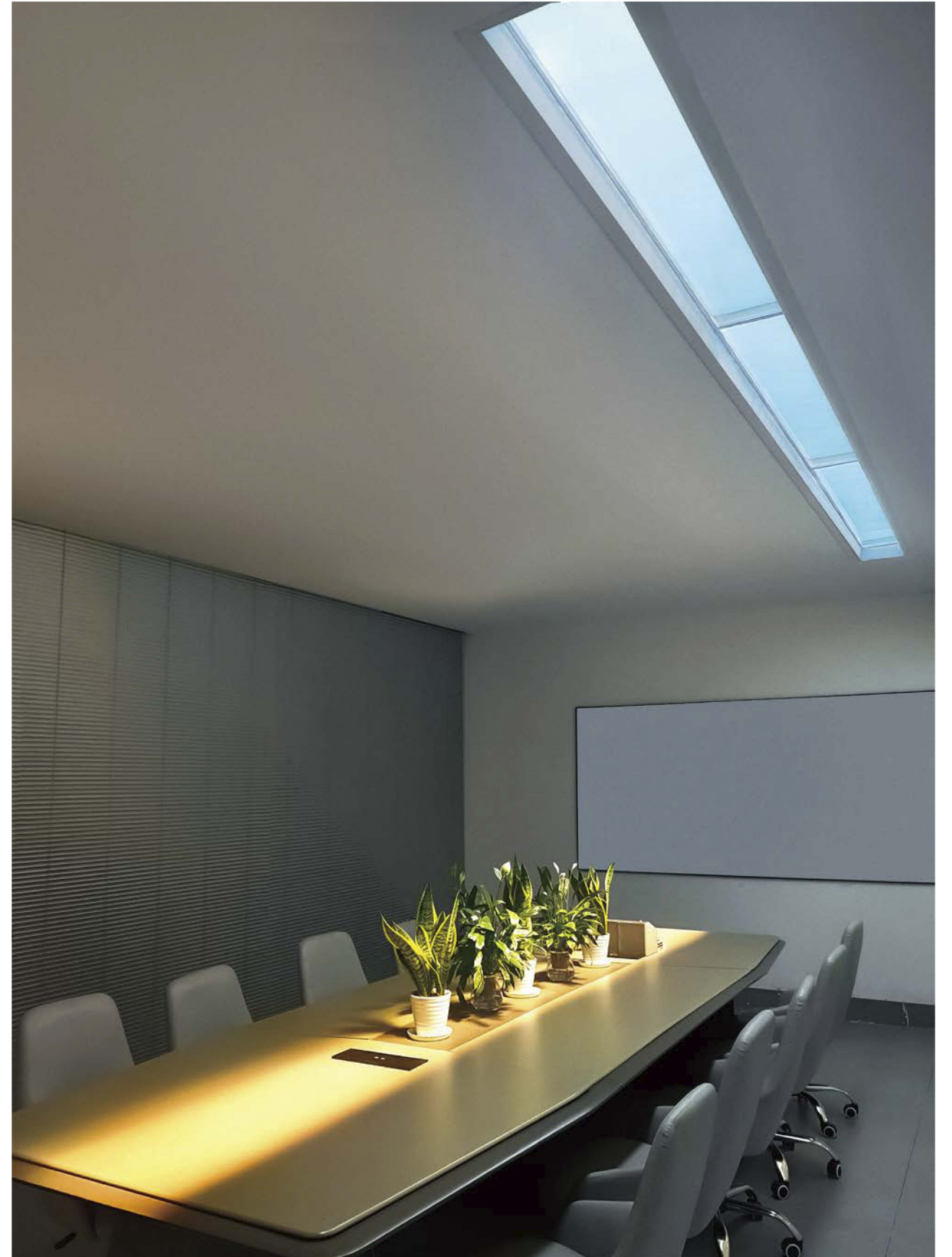


Office Space

Project: Meeting Room Product:

Ewindow-1503E

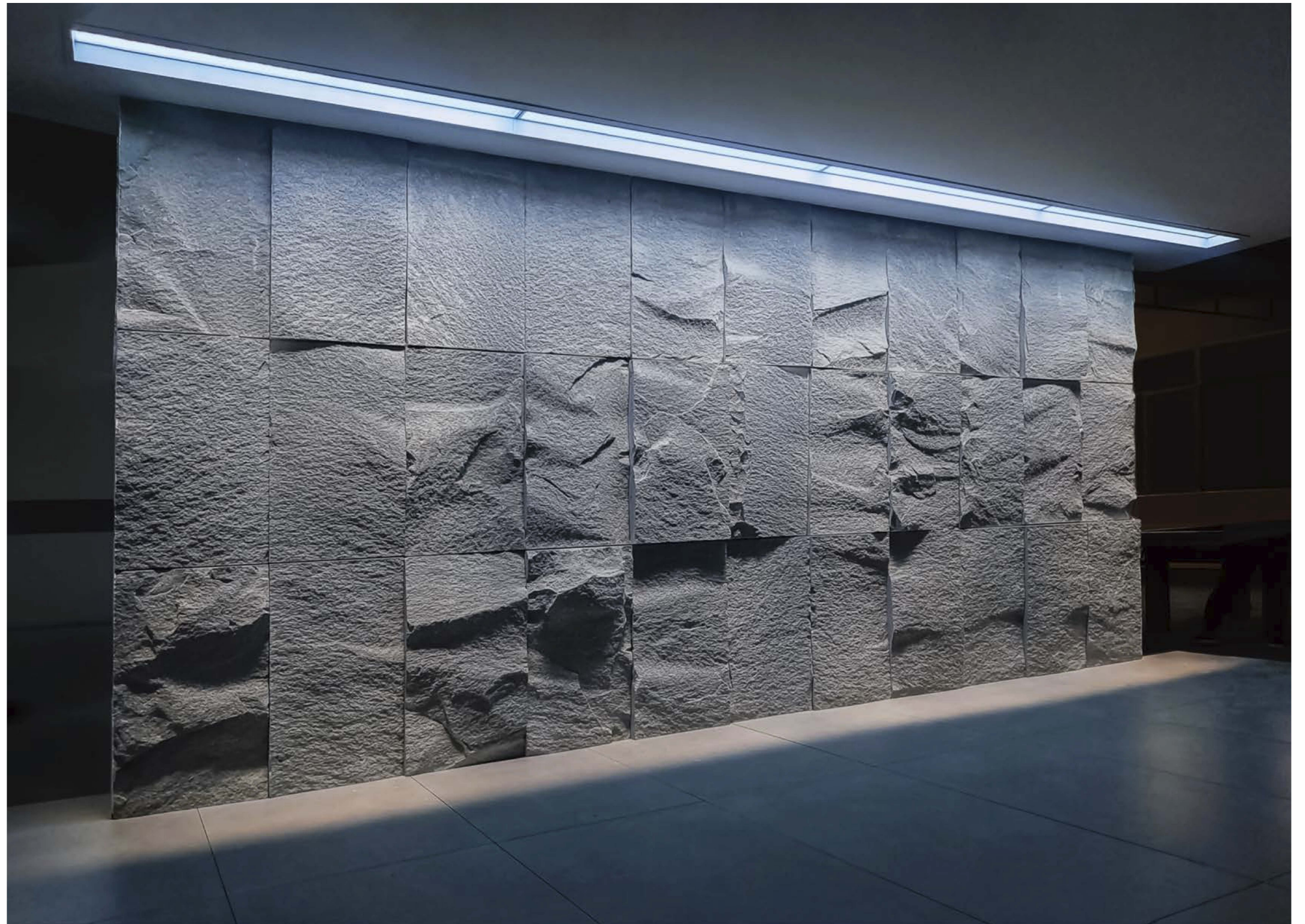
Three Ewindow™ panels are joined



Wall Grazer

Project: Culture Wall
Height: 3m/ 10ft
Four Ewindow™ Panels
Product: Ewindow-1503W

Evenly illuminates wall up to a height of 40 feet





Auto Dealer Showroom-

Audi Chain Store: 130+ stores installed

Many indoor spaces lack windows, resulting in a serious deficiency of natural sunlight. Consequently, these areas often appear dark and devoid of vitality. Ewindow™ simulates sunlight scenes, bringing blue sky, white clouds, and bright sunshine indoors. The Audi 4S store uses Ewindow™ to provide customers with a inviting shopping experience.

Project: Audi 4S Chain Store
Eight Ewindow™ Panels
Product: Ewindow2-1206/Blue Skies Version





Retail Stores

Installation: Clothing Store Chain

Store: 60+ stores installed

Product: Ewindow-1206

Full Spectrum to Promote Plant Growth

This high-end clinic offering both traditional Chinese and Western medicine was jointly developed by the Beijing Dongcheng District Health Commission and Jingyi Hesheng Hospital Management Company in 2020. The clinic is located in COFCO Plaza, Jianguomen, Beijing. The atrium on the basement floor uses Ewindow™ products to provide lighting in the traditional Chinese herbal medicine planting area, ensuring the survival of the herbs.

Project: Mayo Clinic

Product: Ewindow-1206/Cloud View version

Photon flux density refers to the number of photons passing through a unit area per unit of time. It is a crucial parameter for plant photosynthesis and an important indicator for evaluating light intensity.

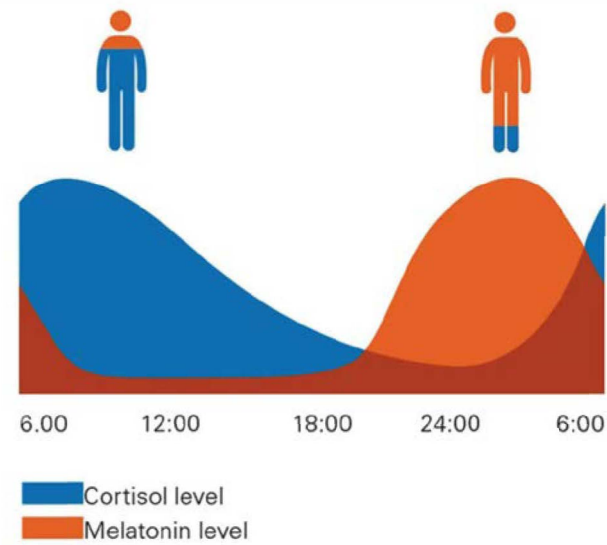
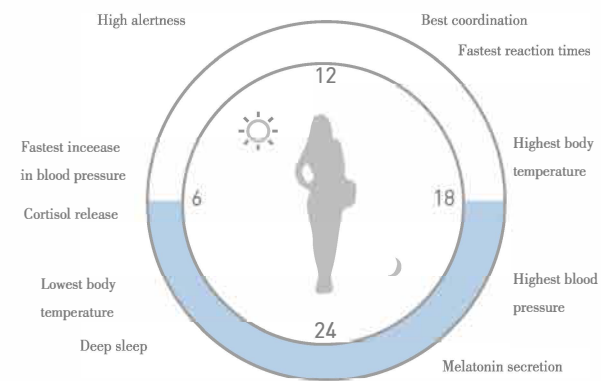
Different plants require varying levels of light quantum flux density. The higher the light quantum flux density, the more efficient the photosynthesis in plants.

Ewindow™ offers a full sunlight spectrum with various bands of sunlight, very narrow angle focused light projection, and illumination above 5000 lux at 3 meters, promoting photosynthesis.



Human Centric Lighting

Improve sleeping for better health



The 2017 Nobel Prize in Physiology or Medicine was awarded to Jeffrey C. Hall, Michael Rosbash, and Michael W. Young for their discovery of the molecular mechanisms controlling the circadian rhythms of organisms.

Light therapy, with exposure levels at the eye of 2500 lux for two hours, has been shown to be an effective treatment for Seasonal Affective Disorder (Prof. Sloane, 2008).

Sunlight regulates the body clock

When the sunshine is bright during the day, the pineal gland inhibits the secretion of melatonin and increases the secretion of cortisol, resulting in heightened energy levels. At night, when there is less light, the pineal gland increases melatonin secretion and inhibits cortisol secretion, which leads to decreased energy levels. A daylight environment and cycle help balance our internal clock with our physiology through the different phases of the day, improving our daytime performance and promoting good sleep at night.

Hospital





Human Centric Lighting

Improve mental health

Phototherapy

Project: Light Therapy Room

Product: Ewindow-1206/Cloud View version

The primary cause of seasonal depression is the reduced sunlight during winter, which disrupts the body's biological clock and its adaptation to shorter daylight hours. This disruption can lead to circadian rhythm disorders, hormonal imbalances, and emotional and mental health issues. Sunshine is not merely essential for life; it also contributes significantly to our happiness. Prolonged lack of sun exposure increases the risk of mental health problems. Phototherapy, which involves a controlled light environment, has been clinically proven to alleviate symptoms of depression.

Ewindow™

Sunlight reimaged for indoor brilliance

Office



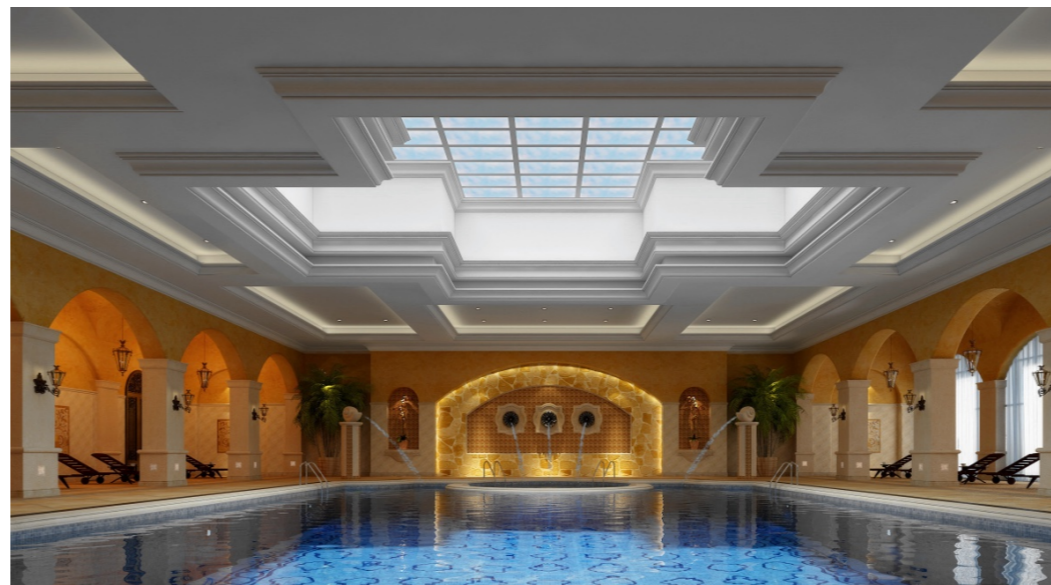
Classroom



Residential

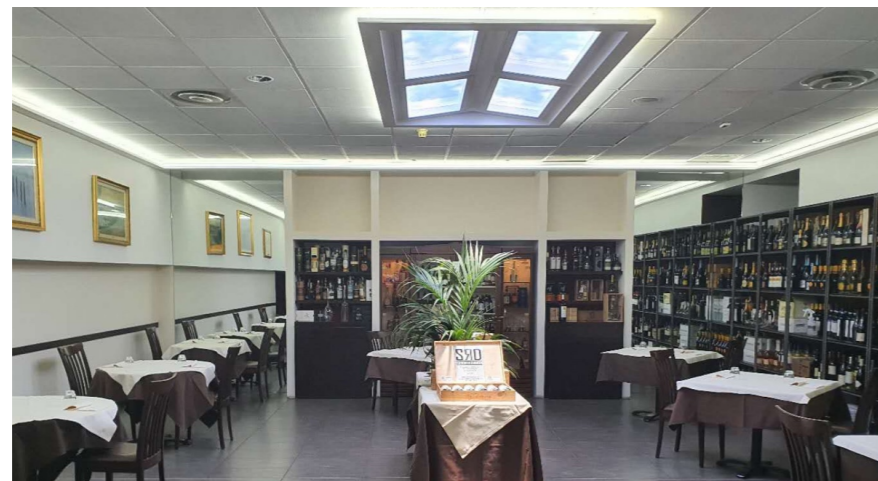


Hospital



Swimming Pool

Commercial



Subway

