

EWINLIGHT TECH.

Bring Sunshine To Life



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SHENZHEN EWINLIGHT TECHNOLOGY CO.,LTD.



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Ewinlight Technology

Shenzhen Ewinlight Technology Co., Ltd. was founded in 2016. Ewinlight focuses on the development of artificial sunlight system-Ewindow-since establishment. Ewindow simulates the effect of natural sunlight shining into the room through skylight. Ewindow can be widely used for commercial, residential, offices, healthcare places, hospitals, rehhibition centers, nursing homes, schools, underground spaces and so on.

At present, Ewinlight has obtained 6 domestic invention patents, more than 30 utility model, design patens and software copyrights, and also obtained patents from :the United States, the European Union and other countries. Ewinlight has got certifications of ISO9001, CE, ETL, PSE, SAA, CCC.





EWINDOW

Artificial Sunlight System — Bring Sunshine To Life

Ewindow, artificial Sunlight system, using the latest lighting technologies, simulating sunlight from sunlight's spectrum, daylight lighting scenes, dynamic daylight color changes, etc. Brings people a real daylight experience.

- High-quality sky & clear clouds create a natural scene.
- Bright sunshine follows the daylight spectrum.
- Simulate the daylight changes from dawn to dusk as the natural time rhythm.

EWINDOW——Smart Sunshine / technology /

Composition of Ewindow

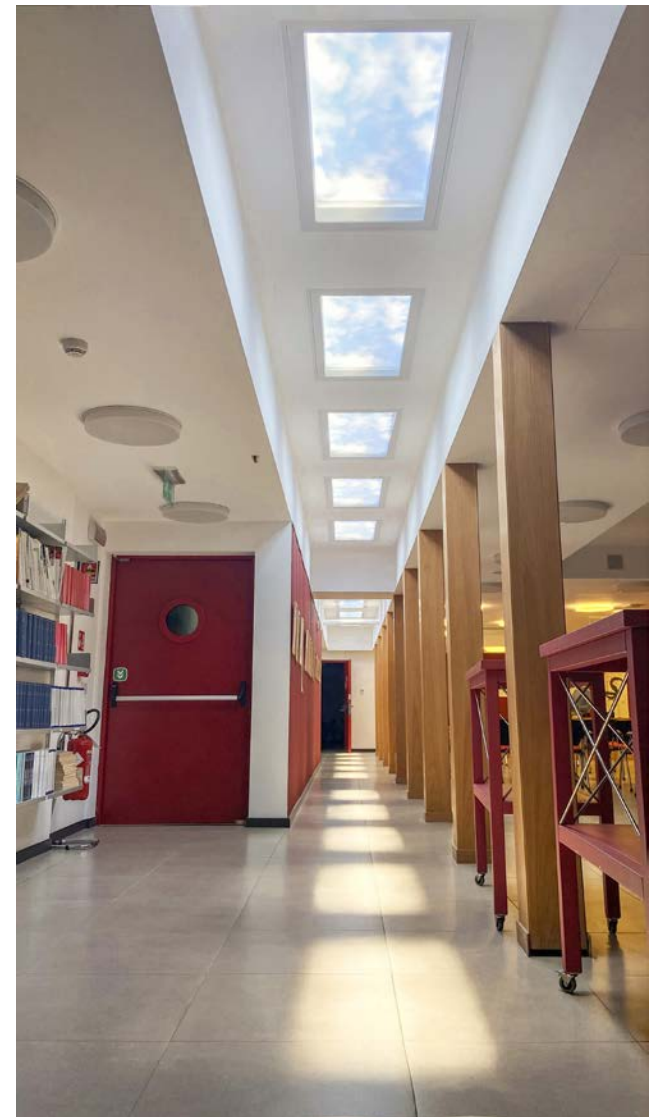


Project: Basement
Composition: Sky light + Sun light
Product: Ewindow2-1206 /Cloud View version

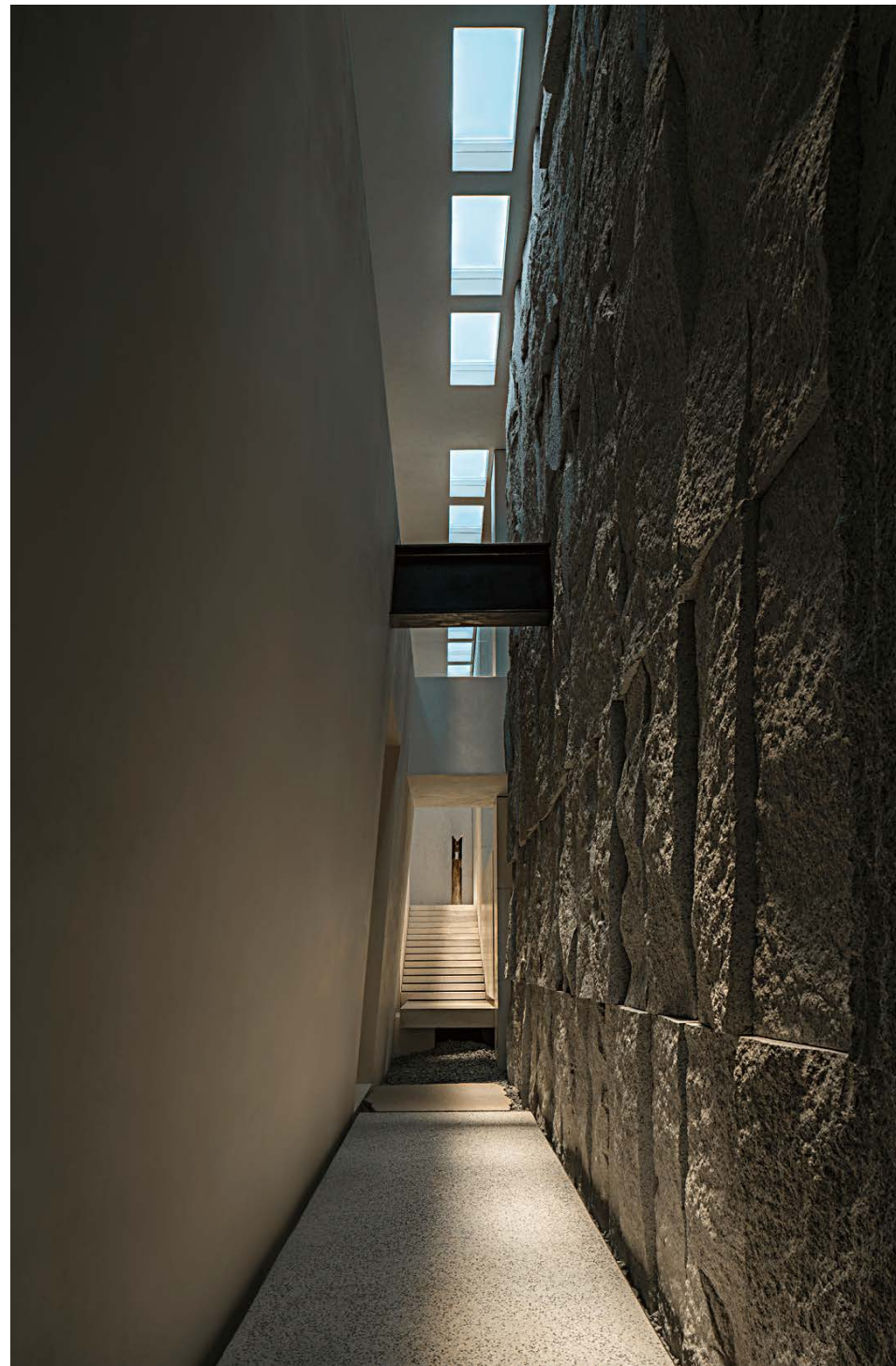
Off



Sky light

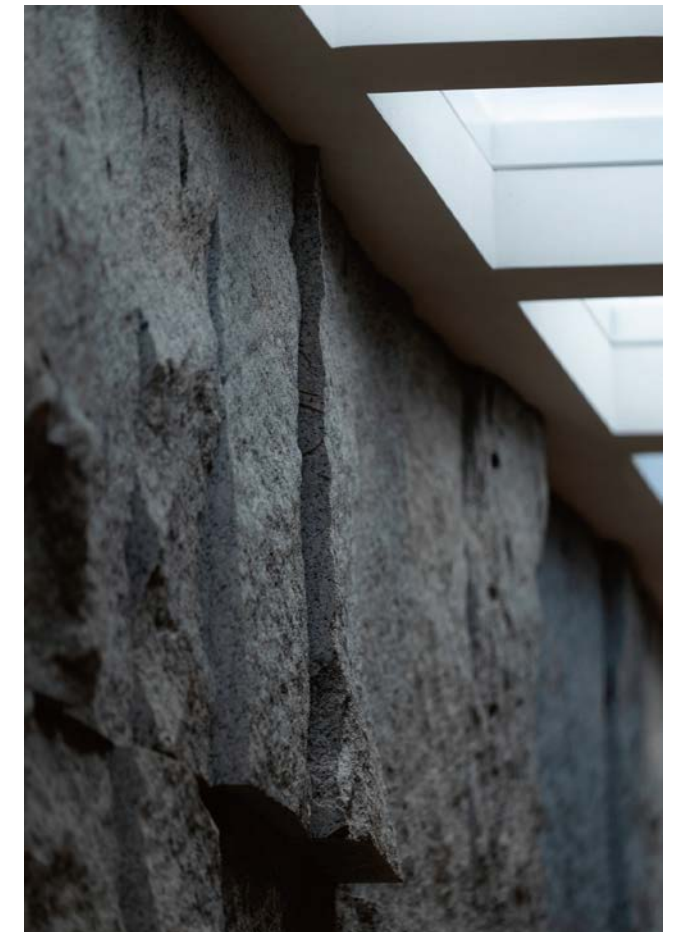
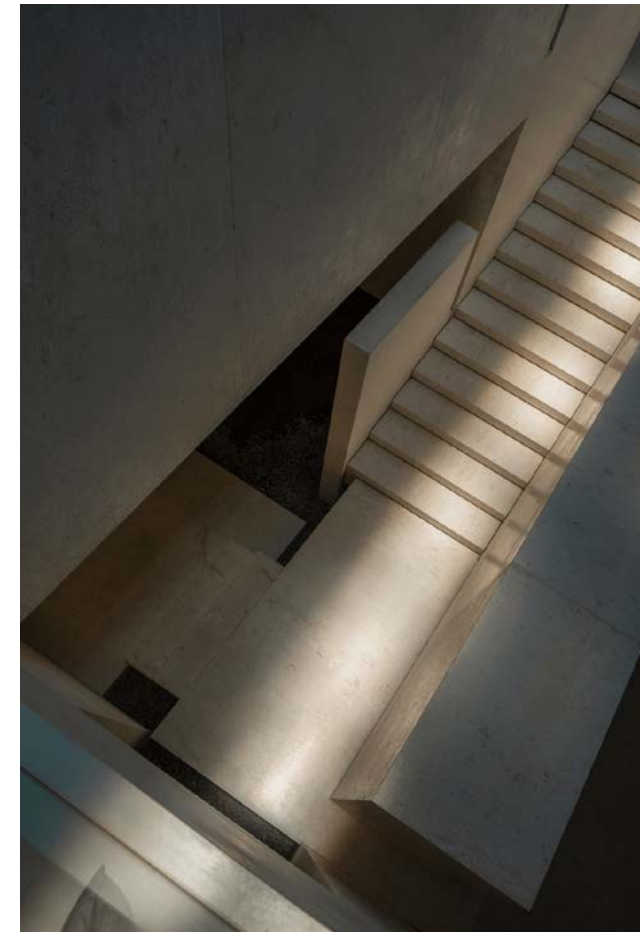


Sun light



Illuminance(3m):5000+lux
Illuminance(10m):1500+lux

Intensity of Ewindow



Project: Canyon
Beam angle: 7°
Installation height: 10m
Product: Ewindow2-1206/True Blue version

Control of Ewindow



Ewindow - Artificial Sunlight System

Ewindow can synchronize with the changing sunlight cycle of 24 hours.

From sunrise to sunset, restore the sunlight environment.

Ewindow can locate the latitude of various places to determine the sunshine duration.

DALI /APP /Wired mode/Wireless mode/Timer/Dimming/Password protection/Latitude positioning/Memory function



Control Panel

Automatic mode: light changes with the 24-hour cycle of sunlight

Manual mode: light color and brightness can be adjusted at will

Radio frequency transmission signal



App

Bluetooth transmission signal

The state when exit is remembered

App can control turning on or off the Ewindow



Digital Addressable
Lighting Interface

DALI

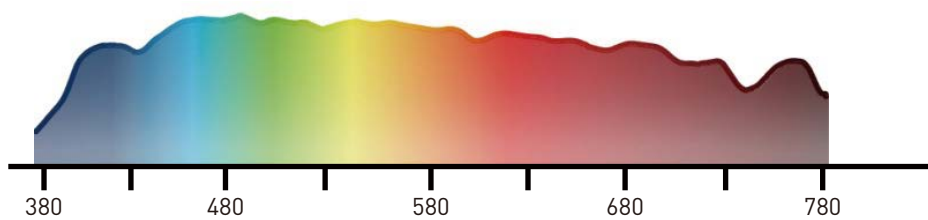
Device Type 6 (DT6)

Device Type 8 (DT8)

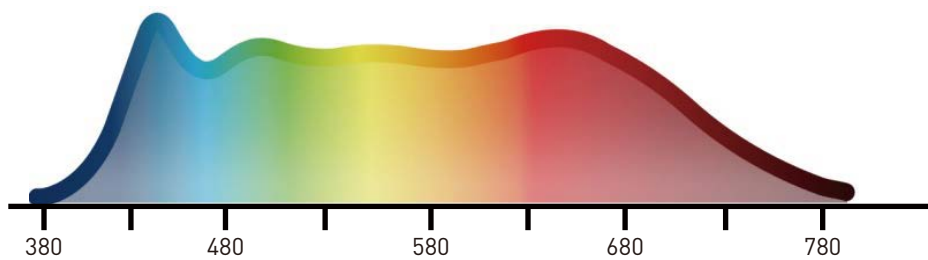
Can adjust light and color temperature

Spectrum of Ewindow

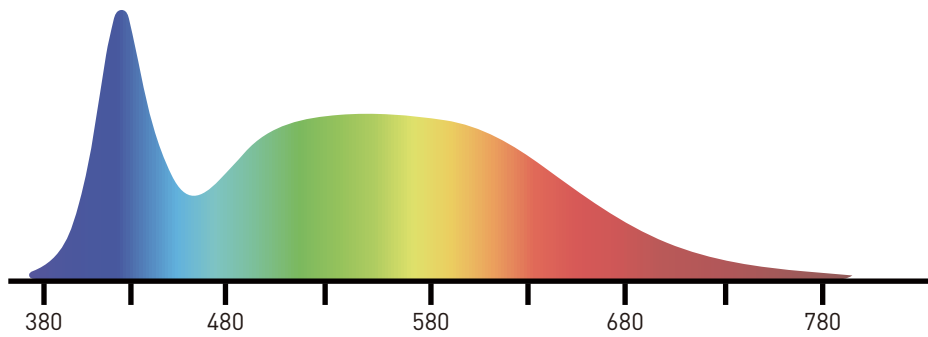
After extensive experimental research, the Ewindow used a variety of phosphor ratios to finally match an LED that is very similar to the sunlight spectrum, to provide better light color quality.



Sunlight spectrum : most abundant spectrum

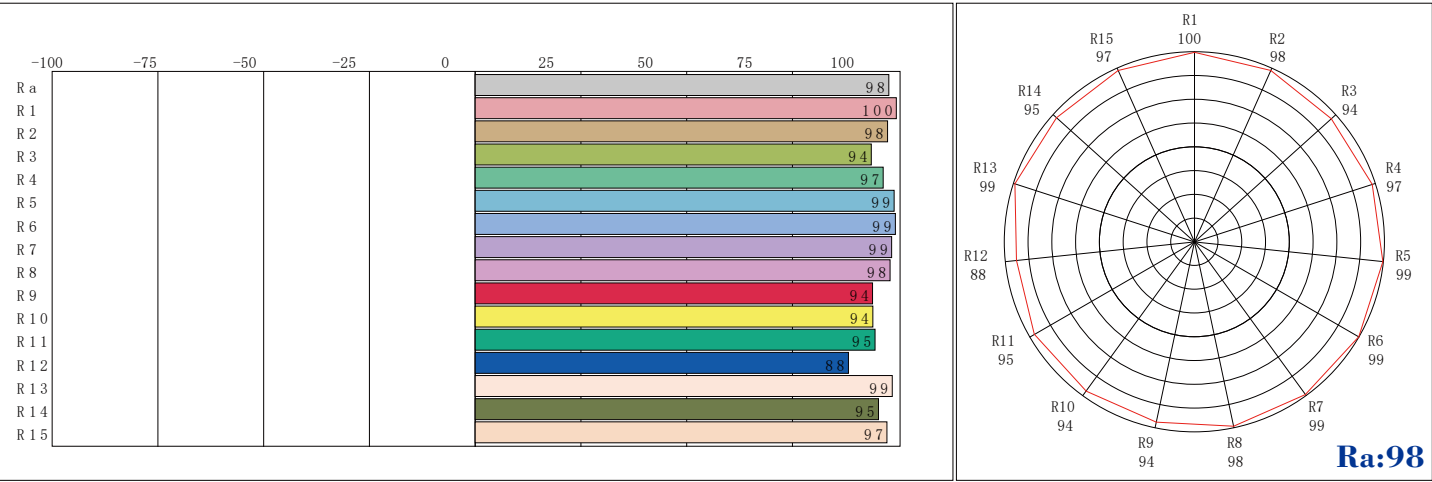


Ewindow spectrum : most closest to sunlight

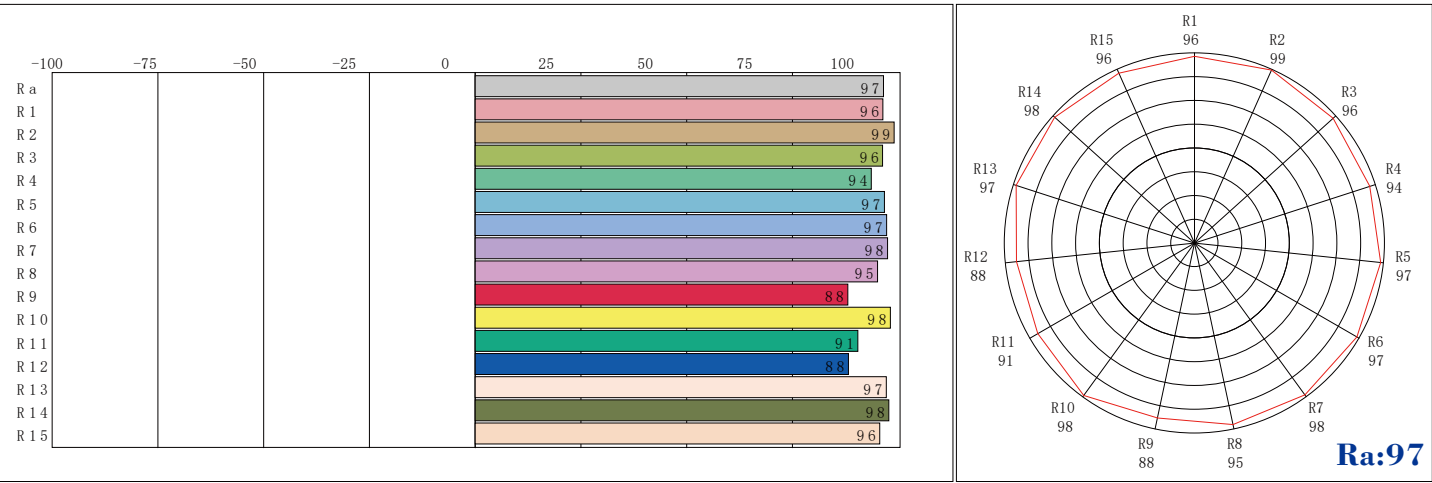


Common LED spectrum

The color render index is a numerical value that indicates the color render of a light source. Its value is close to 100, which means the color render is the best.



Ewindow Daylight White LED CRI



Ewindow Warm White LED CRI

EWINDOW——Product Specifications



EWINDOW3-1212S

- Dynamic sky, with moving clouds
- Multi-Ewindows splicing to achieve sky linkage
- Simulate 24-hour sunlight changes
- Bright sunshine follows sunlight spectrum
- Large sky outlet, narrow frame border

Specifications

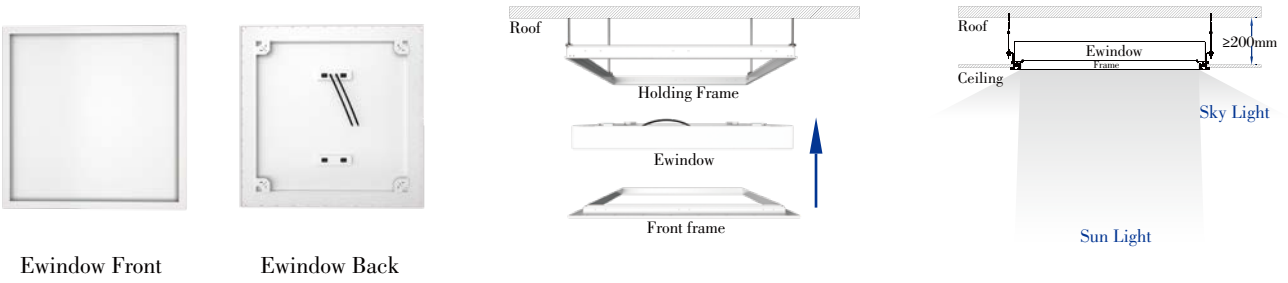
: All electrical parameters are values at 12 o'clock

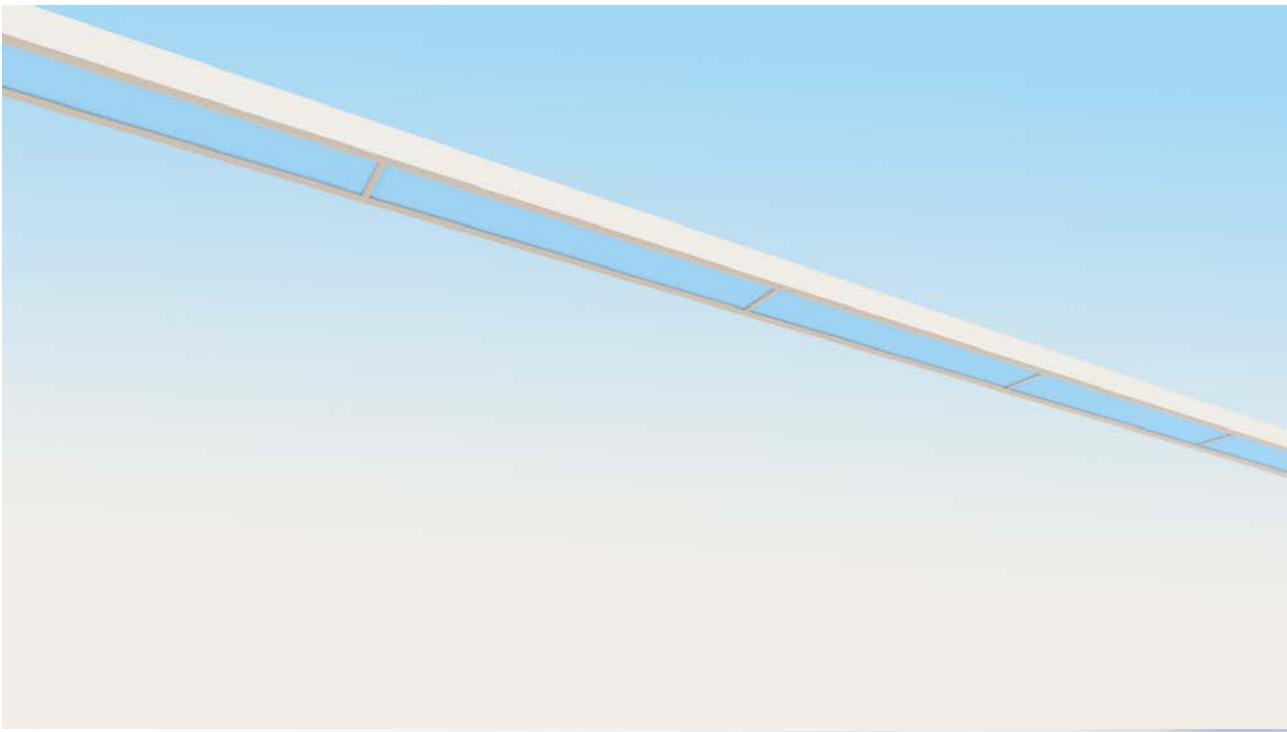
Power	: 415W	Control Method	: APP、 Panel、 DALI
Voltage	: 90-277Vac	Dimming Range	: 0-100%
Illuminance(3m)	: 3000lux	Shell Material	: Aluminium alloy
CCT	: 2500-10000K	Surface Material	: Tempered glass
Ra	: 98	Weight	: 40kg
Light Tilt	: 90°	IP	: 20
Life time	: 50000H	Operating temperature	: -20~40℃
Sky Effect	: Dynamic Sky	Certification	: CE、 ETL、 CCC

Recessed Installation

: Insert Ewindow into the holding frame,and then install the face frame

Ewindow Size	: 1170*1170*121mm	Holding Frame Size	: 1210*1210*68mm
Sky Size	: 1080*1080mm	Front Frame Size	: 1220*1220*52.8mm
Hole Size	: 1195*1195mm	Border width when splicing	: 65*2=130mm
Ceiling Height	: ≥ 200mm		





EWINDOW3-1503

It has two product models, Ewindow3-1503E and Ewindow3-1503W.

Ewindow3-1503E and Ewindow3-1503W only have different light outputs and other parameters are the same.

- Linear installtion, longitudinal ultra-narrow splicing gap (22mm)

- Simulate 24-hour sunlight changes

- Bright sunshine follows sunlight spectrum

- Ewindow3-1503E : 30-degree tilt sunshine

- Ewindow3-1503W : wall washer

Specifications

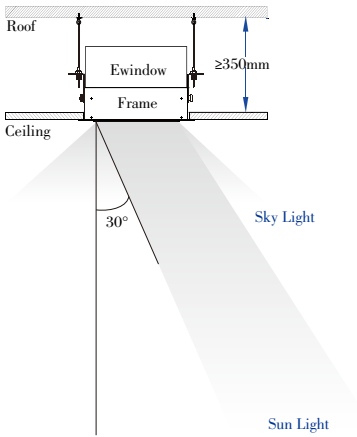
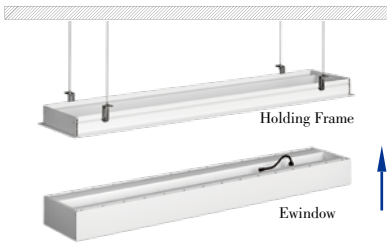
: All electrical parameters are values at 12 o'clock

Power	: 92W	Control Method	: APP、Panel、 DALI
Voltage	: 90-277Vac	Dimming Range	: 0-100%
Illuminance(3m)	: 3000lux	Shell Material	: Aluminium alloy
CCT	: 2500-10000K	Surface Material	: Tempered glass
Ra	: 98	Weight	: 16.4kg
Light Tilt	Ewindow3-1503E : 30° Ewindow3-1503W : Wall Washer	IP	: 20
Life time	: 50000H	Operating temperature	: -20~40 C
Sky Effect	: True Blue	Certification	: CE、 ETL、 CCC

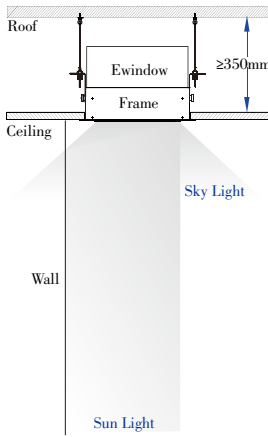
Recessed Installation

: Insert Ewindow into the holding frame,and then install the face frame

Ewindow Size	: 1481*270*116mm	Ceiling Height (one Ewindow)	: ≥ 350mm
Sky Size	: 1459*181mm	Ceiling Height (above one Ewindow)	: ≥ 280mm
Hole Size	: 1496*282mm	Ceiling Height (Ultra-thin version)	: ≥ 150mm
Holding Frame Size	: 1521*309*79.5mm	Border width when splicing	: 11*2=22mm



EWINDOW3-1503E



EWINDOW3-1503W



Front (Cloud View Version)



Front (True Blue Version)



Back

Specifications : All electrical parameters are values at 12 o'clock

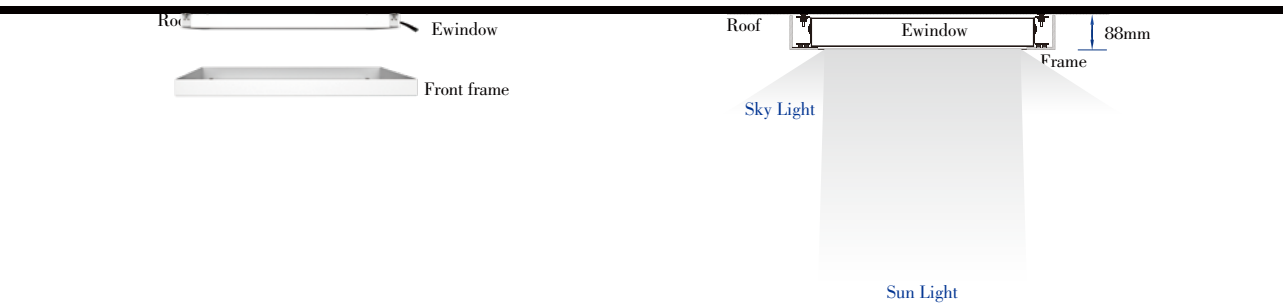
Power	: 240W	Control Method	: APP\ Panel\ DALI
Voltage	: 90-277Vac	Dimming Range	: 0-100%
Illuminance(3m)	: 5000lux	Shell Material	: Aluminium alloy
CCT	: 2700-10000K	Surface Material	: Tempered glass
Ra	: 98	Weight	: 16kg
Light Tilt	: 90°	IP	: 50
Life time	: 50000H	Operating temperature	: -20~40 C
Sky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

Recessed Installation : Insert Ewindow into the holding frame, and then install the front frame.



Ewindow Size	: 1170*570*73mm	Holding Frame Size	: 1200*600*60mm
Sky Size	: 1060*460mm	Front Frame Size	: 1158*558*67mm
Hole Size	: 1180*580mm	Border width when splicing	: 62*2=124mm
Ceiling Height	: ≥ 200mm		

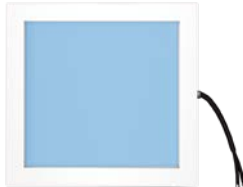
Surface Installation : Fix the Ewindow to the roof with accessories, and then install the front frame.



Ewindow Size	: 1170*570*73mm	Front Frame Size	: 1180*680*88mm
Sky Size	: 1060*460mm	Border width when splicing	: 72*2=144mm
Finished Height	: 88mm		



Front (Cloud View Version)



Front (True Blue Version)

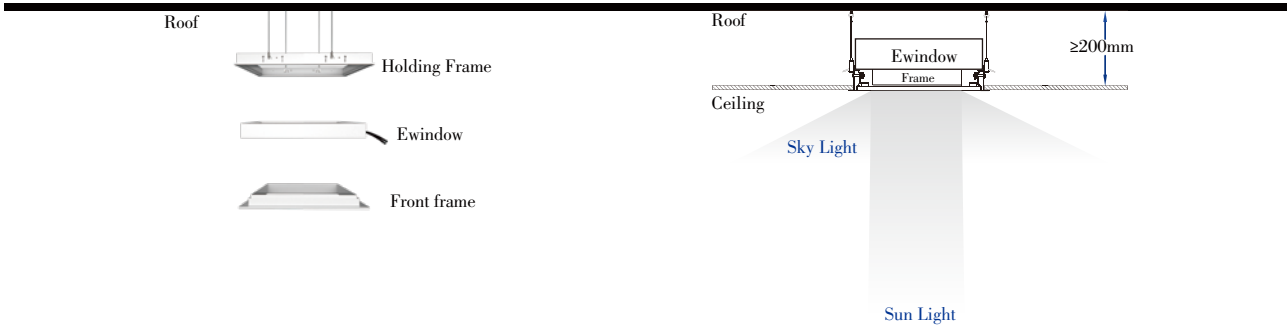


Back

Specifications : All electrical parameters are values at 12 o'clock

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

Recessed Installation : Insert Ewindow into the holding frame, and then install the front frame.



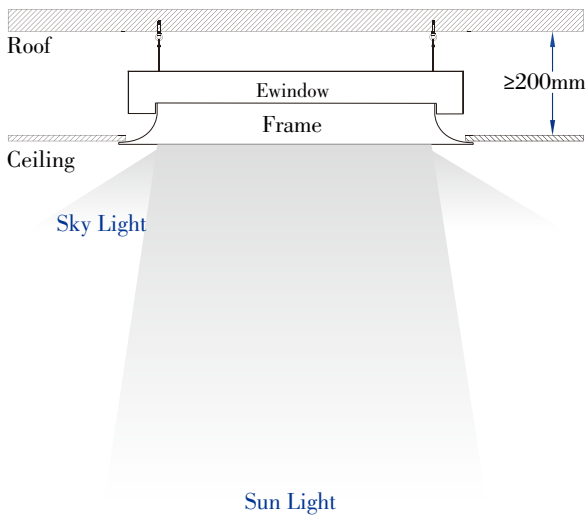
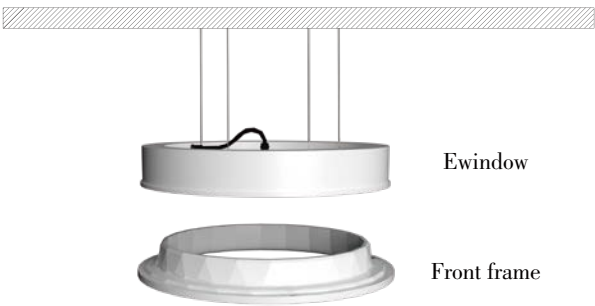
Ewindow Size	: 570*570*73mm	Holding Frame Size	: 600*600*60mm
Sky Size	: 460*460mm	Front Frame Size	: 558*558*67mm
Hole Size	: 580*580mm	Border width when splicing	: 62*2=124mm
Ceiling Height	: ≥ 200mm		

Surface Installation : Fix the Ewindow to the roof with accessories, and then install the front frame.



Ewindow Size	: 570*570*73mm	Front Frame Size	: 680*680*88mm
Sky Size	: 460*460mm	Border width when splicing	: 72*2=144mm
Finished Height	: 88mm		

EWINDOW3-06R Coming Soon.....



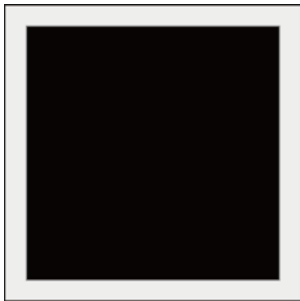
Ewindow Size	: Diameter=605mm , Height=93mm
Front Frame Size	: Diameter=620mm , Height=80mm
Sky Size	: Diameter=500mm
Hole Size	: Diameter=625mm
Ceiling Height	: at lesat 200mm

Specifications : All electrical parameters are values at 12 o'clock

Power	: 100W
Voltage	: 90-277Vac
Illuminance(3m)	: 3000lux
CCT	: 2500-10000K
Ra	: 98
Light Tilt	: 90°
Life time	: 50000H
Sky Effect	: True Blue

Control Method	: APP\ Panel\ DALI
Dimming Range	: 0-100%
Shell Material	: Aluminium alloy
Surface Material	: Plastic
Weight	: 10kg
IP	: 20
Operating temperature	: -20~40℃
Certification	: CE\ ETL\ CCC

Control Panel



Front



Back

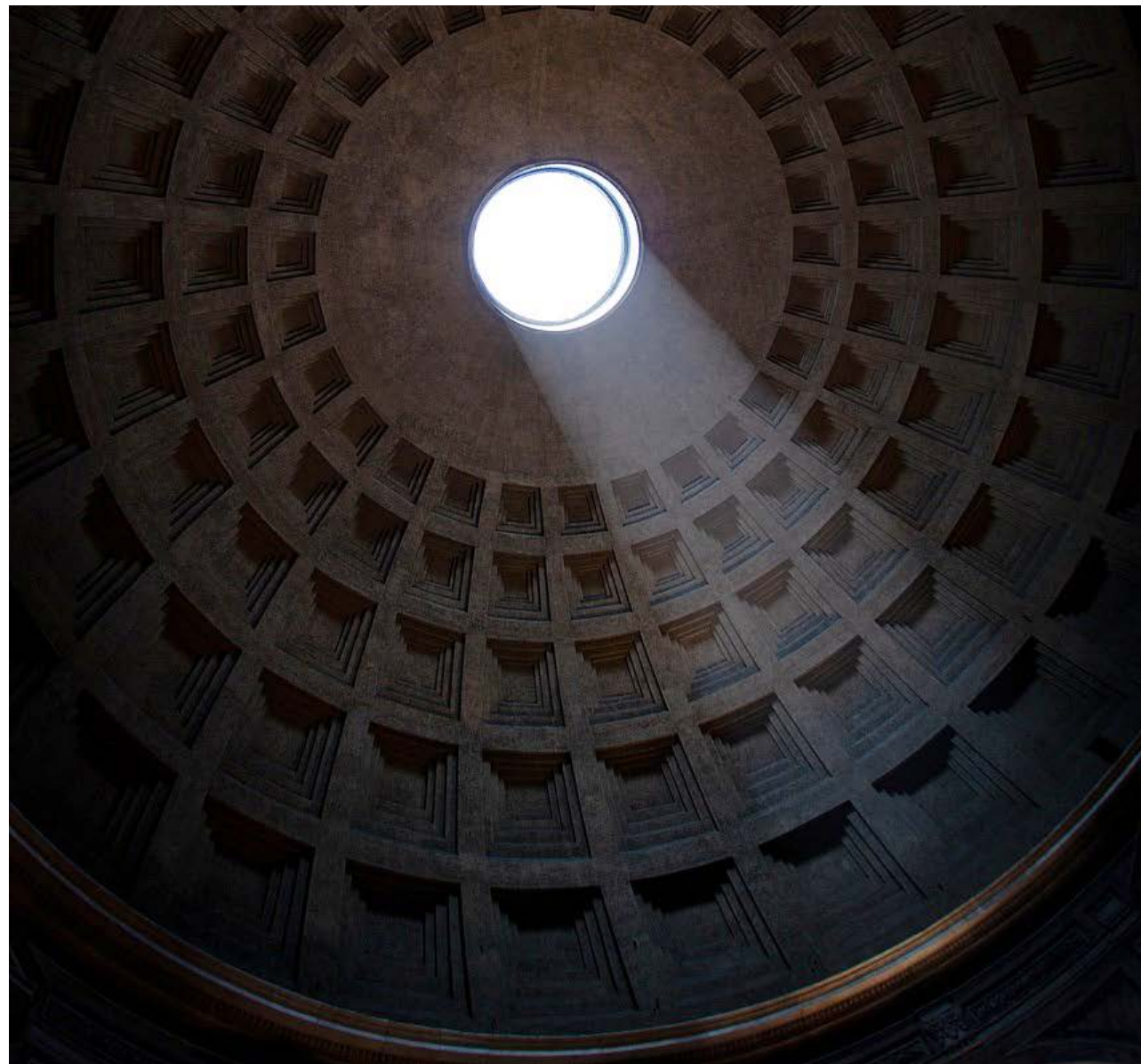


Side

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

Control panel requires both neutral and live wires to be powered at the same time.RJ45 connector for wired mode.
The communication distance and Bluetooth Receiver Distance are when there are no metal or wall obstructions.

EWINDOW——Simulate Sunshine / applications /



The Pantheon

Salute to The Sunshine

8 Ewindows are spliced together
 Open the ceiling in a round shape
 Like a beam of sunlight shining directly indoors

Project: Sales Center
 Product: Ewindow2-1206/Cloud View version



Basement Space

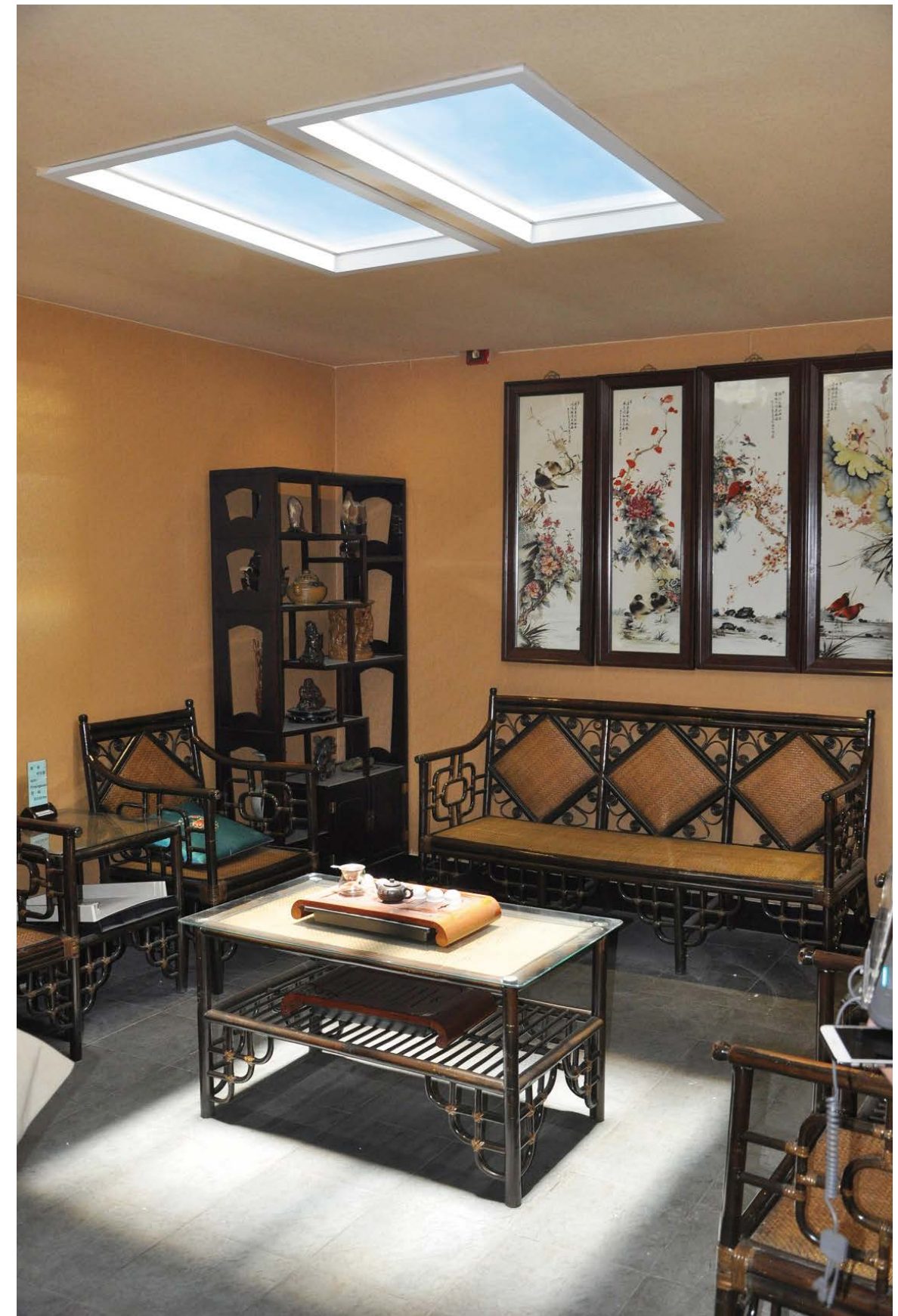
According to surveys, more than 40% of indoor spaces are lack of sunlight now. A space with insufficient sunlight will have a dark and depressing atmosphere. Being out of contact with sunlight for a long time will easily lead to mental illness.

Sunlight is the life of a space. Using EWINDOW as a supplement of indoor sunlight, restores the vitality of the space, and revitalizes the use of the space. The blue sky also adds color to the space.

Project: Underground Tea Room

Vertical sunlight tea table

Product: Ewindow2-1206/True Blue version

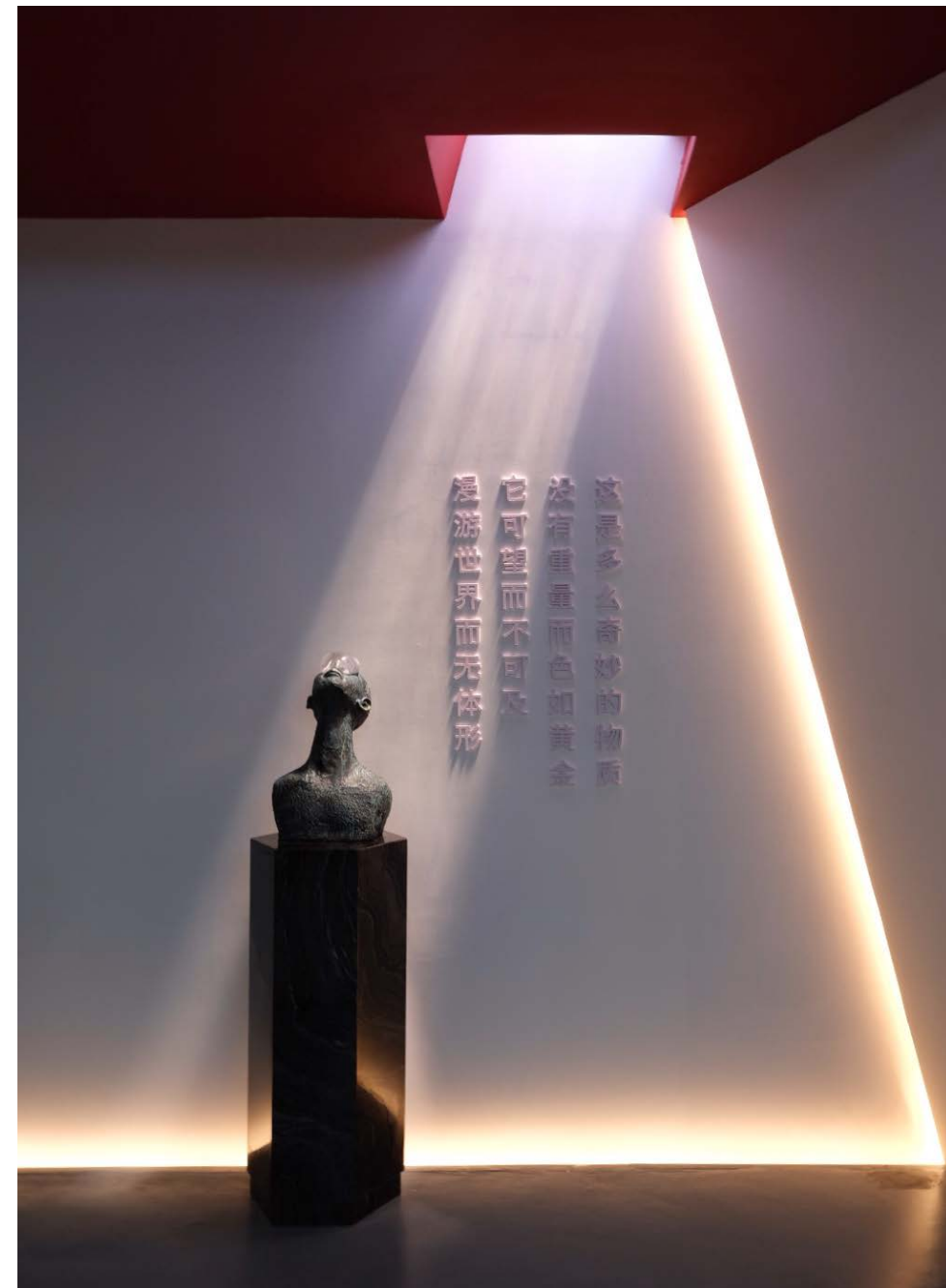




Enclosed space

Project: Corridor

Product: Ewindow3-1503E



Museum space

Project: Museum

Product: Ewindow2-0606/True Blue version

Moving Clouds

Project: Beijing Home Exhibition Hall
Installation: multiple splicing
Product: Ewindow3-1212S

The clouds in the sky flutter naturally, restoring the dynamic sky and simulating real scenes.

Ewindow3-1212S, ultra-narrow bezel design, and an all-in-one ultra-large light outlet. Multi-light splicing realizes multi-sky picture linkage, which is extremely shocking.

Ewindow3-1212S uses an all-aluminum alloy body and a tempered glass surface, which is safe and reliable. When the Ewindows are turned off, the sky is white; when the Ewindows are turned on, the sky is blue.



Ewindow with Moving Clouds

Natural Scene

EWINDOW uses precision micro-optical technology to focus light into a large-area parallel beam. EWINDOW simulates sun spots in all aspects, from light shape to illumination to light quality.

There is endless reverie outside the window, and there is warm sunshine inside the window. When there is sunshine, there must also be a blue sky. Dynamic sky effects for one sky, blue sky, white clouds, dusk, and various sky scenes can be switched freely. Your sky is defined by yourself.

Project: Exhibition Hall

4 Ewindows can be used when spliced together

Product: Ewindow3-1212S/moving clouds

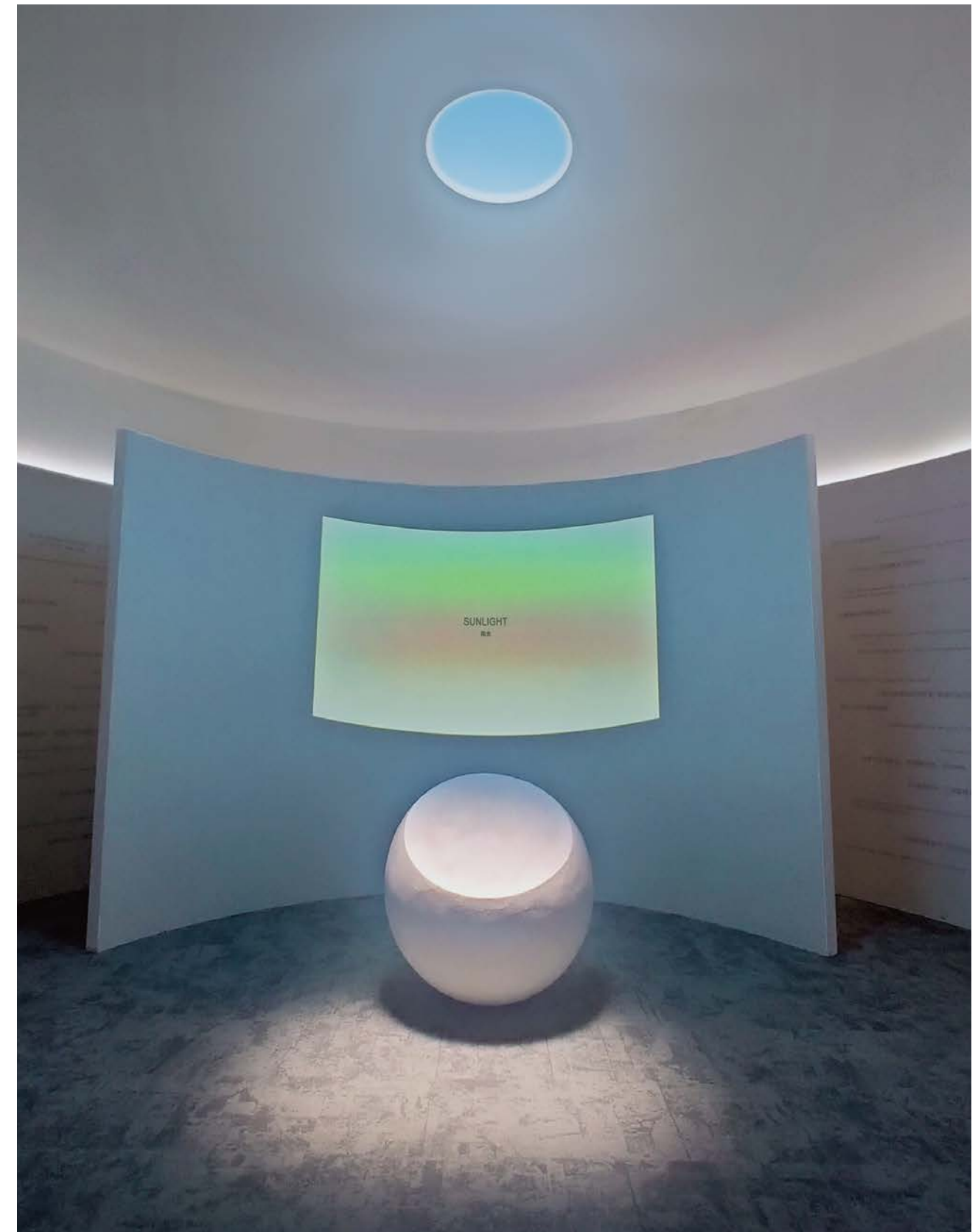


Exhibition Space

The round is recognized as the most perfect geometric figure in the world. The round is a classic, symbolizing harmony, wisdom, and tolerance. The round building can give people a harmonious and perfect experience.

Ewindow - round series, using circles to echo the sunlight, embedded in the ceiling, like a sun hanging in the sky, giving people warmth.

Project: Furniture Exhibition
Product: Ewindow3-06R Coming soon.....
Size:Diameter 605mm





Audi

Chain Store: 130⁺ stores installed

Nowadays, most of the indoor spaces are closed spaces. There is a serious lack of indoor sunshine, and the overall space feels dark and lacks vitality.

Ewindow products use technical means to simulate sunlight scenes, bring blue sky, white clouds and bright sunshine indoors, and integrate them with commercial spaces.

Audi 4S store uses Ewindow to provide customers with a comfortable shopping experience.

Project: Audi 4S Chain Store
8 Ewindows are spliced together
Product: Ewindow2-1206/True Blue version





Commercial

Installation: Clothing Store

Chain Store: 60⁺ stores installed

Product: Ewindow2-1206



Clothing Store

Project: Glassons Clothing Store

Product: Ewindow2-1206/True Blue version

12 Ewindows spliced into a straight line

Sunshine through the Ewindow into the clothing store

Break through the limitations of space

Give indoor shopping malls an outdoor shopping experience



Office Space

Project: Meeting Room

Product: Ewindow3-1503E

3 Ewindows are spliced together



Front Desk

Project: Culture Wall
Height: 3m
4 Ewindows are spliced together
Product: Ewindow3-1503W

The highest wall that can be washed: 12m
Even lighting on the entire wall
The splicing gap between each two splicing Ewindows are 20mm
The lower light spot is parallel to the upper light fixture



Photosynthesis

This high-end traditional Chinese and Western medicine clinic was jointly developed by 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 to ensure the survival of Chinese medicine.

Project: Mayo Clinic
Product: Ewindow2-1206/Cloud View version

Promote plant growth

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

Different plants have different needs for light quantum flux density. The greater the light quantum flux density, the higher the photosynthesis efficiency of plants.

Ewindow - full sunlight spectrum, with various bands of sunlight, vrey small angle focused light projection, 3m illumination above 5000lux, which has a certain promotion effect on the photosynthesis of plants.



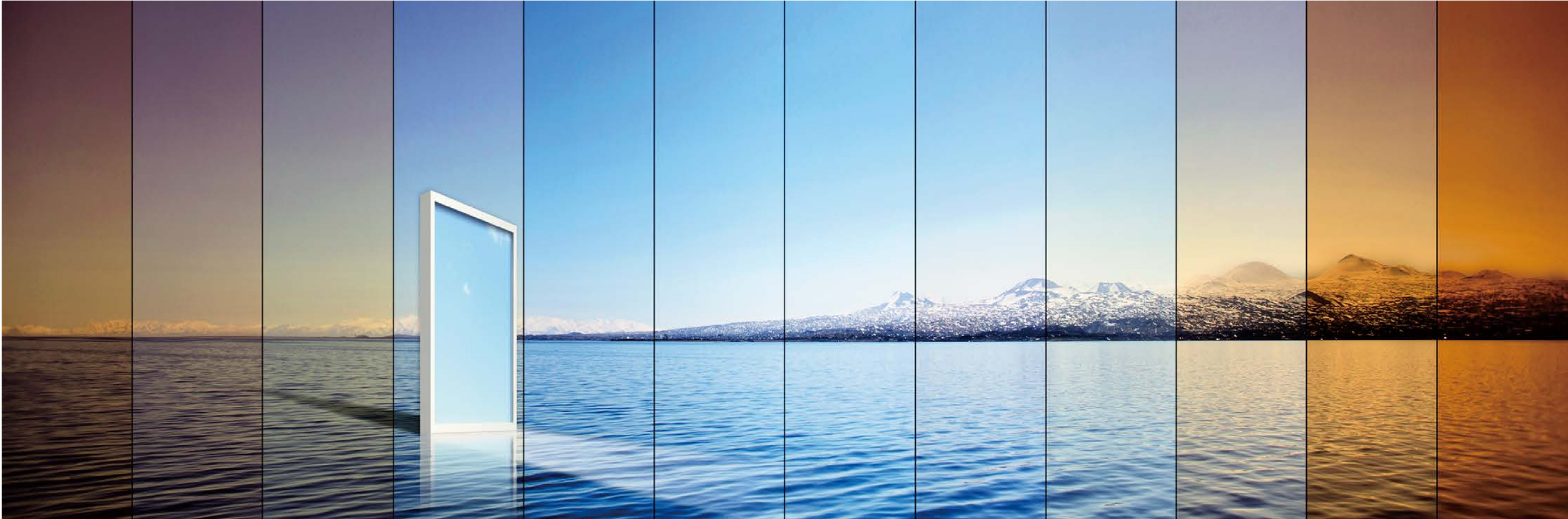
Circadian Lighting

2500-10000k CCT

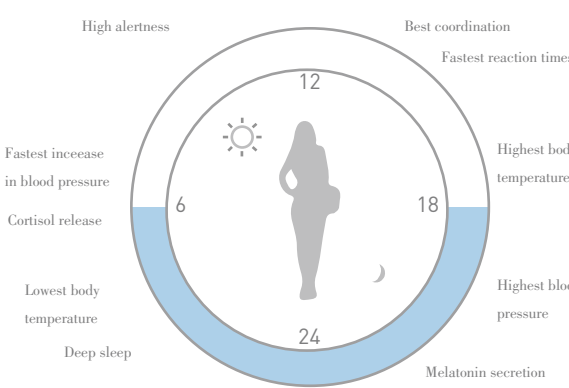
5000+lux Illuminance

90% Sunshine Spectrum

24H cyclical changes



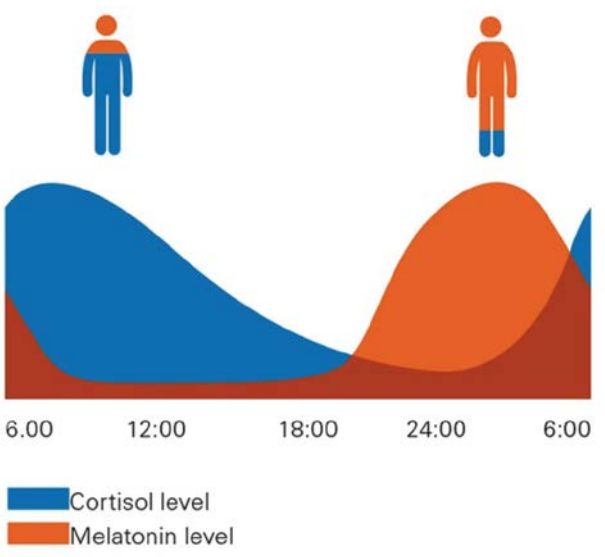
Human Centric Lighting



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

Light therapy with exposure levels at the eye of 2500lux (for 2 hours) has shown to be an effective cure against Seasonal Affective Disorder (Prof. Sloane,2008).

Sunlight Regulates the Body Clock



When sunshine is bright during the day, the pineal body inhibits the secretion of melatonin and increases the secretion of cortisol, so energy is strong during the day.

When sunshine is dark during the night, the pineal body increases the secretion of melatonin and inhibits the secretion of cortisol, so loss of energy at night.

A daylight environment and cycle help to balance our inner clock with our physiology to the different phases of the day. Improve our performance in the daytime and good sleep at night.

Hospital





Phototherapy

Project: Light Therapy Room

Product: Ewindow2-1206/Cloud View version

The main cause of seasonal depression is there is less sunlight in winter, and the body's biological clock does not adapt to the changes in shortened daylight hours, leading to circadian rhythm disorders and endocrine disorders, as well as emotional and mental disorders.

Sunshine is not only the source of life, but also the source of happiness. People who don't see the sun for a long time are more likely to suffer from mental illness.

Phototherapy is a controlled light environment. It has been clinically proven that phototherapy can effectively treat and improve depression symptoms.

