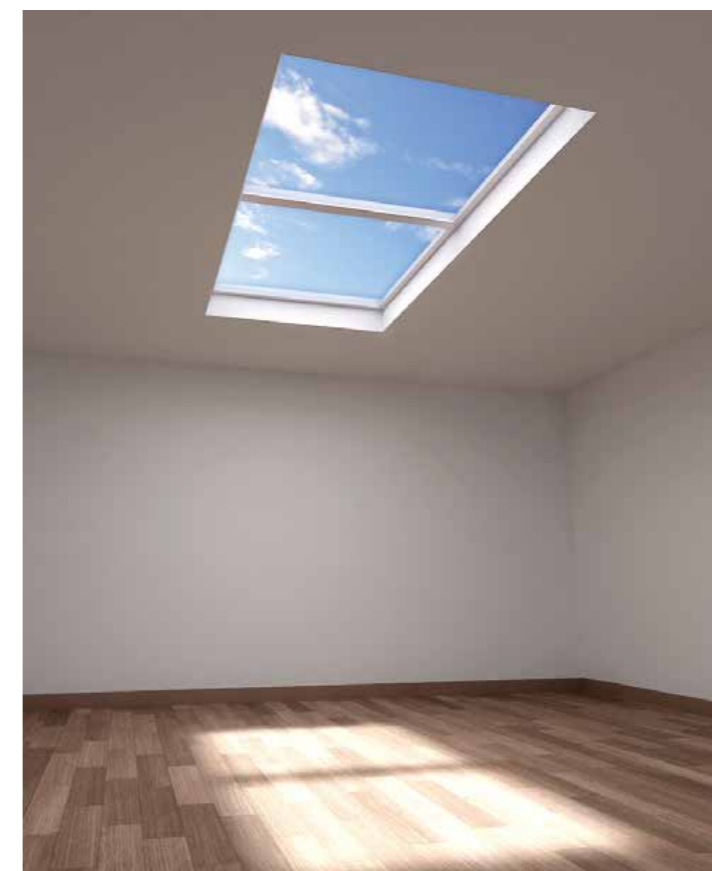




operazione
FINESTRA

LEDIT[®]
lights & more



<u>Ledit</u>	03
<u>Product</u>	10
<u>Specification</u>	12
<u>Applications</u>	18
<u>Supplement</u>	31



FINESTRA: Bring Sunshine To Life

LEDIT Srl è una società ad alto sviluppo tecnologico focalizzata sull'efficiamento energetico, nata per la gestione dell'illuminazione ed orientata all'innovazione tecnologica nell'ambito delle energie rinnovabili; ponendo un'attenzione di riguardo alla tutela e all'integrazione con l'ambiente. Ledit è determinata, sin dalla sua fondazione, a cooperare e partecipare alla risoluzione delle problematiche proposte dai clienti. Il progetto LEDIT nasce nel 2012 basandosi sulla ricerca della caratterizzazione del LED per un utilizzo professionale nelle grandi superfici industriali, sportive, commerciali (GDO) e Pubbliche. LEDIT raccoglie al suo interno esperienze pluridecennali di diversi settori tecnologici. Elementi fondamentali della strategia LEDIT sono RICERCA e SVILUPPO CONTINUO, puntando ad un successo basato sulla coerenza. Nel confronto con la concorrenza la focalizzazione è da porsi sulla competenza interna e sulla validità delle offerte, supportate da un servizio di assistenza continua nel tempo. L'impegno orientato verso il successo è il principio di tutti i collaboratori e costituisce la base della «mission» aziendale.

LEDIT S.r.l.

Ledit was founded in 2014. Since its establishment, it has focused on Led Technology products to simulate real and healthy sunlight.

LEDIT is the official licensee and importer of certified and patented products PCT patents and software copyrights, and has a complete independent property rights system.

working with the ISO9001 certification system and obtained multiple certifications.

FINESTRA - Artificial Daylight System

FINESTRA is the first sunlight simulation system in the country. It combines LED sunlight spectrum, micro-optics and intelligent control technology to simulate the lighting scene of sunlight entering the room through the skylight.

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



FINESTRA — Smart Sunshine /technology/

Composition of Light



Off

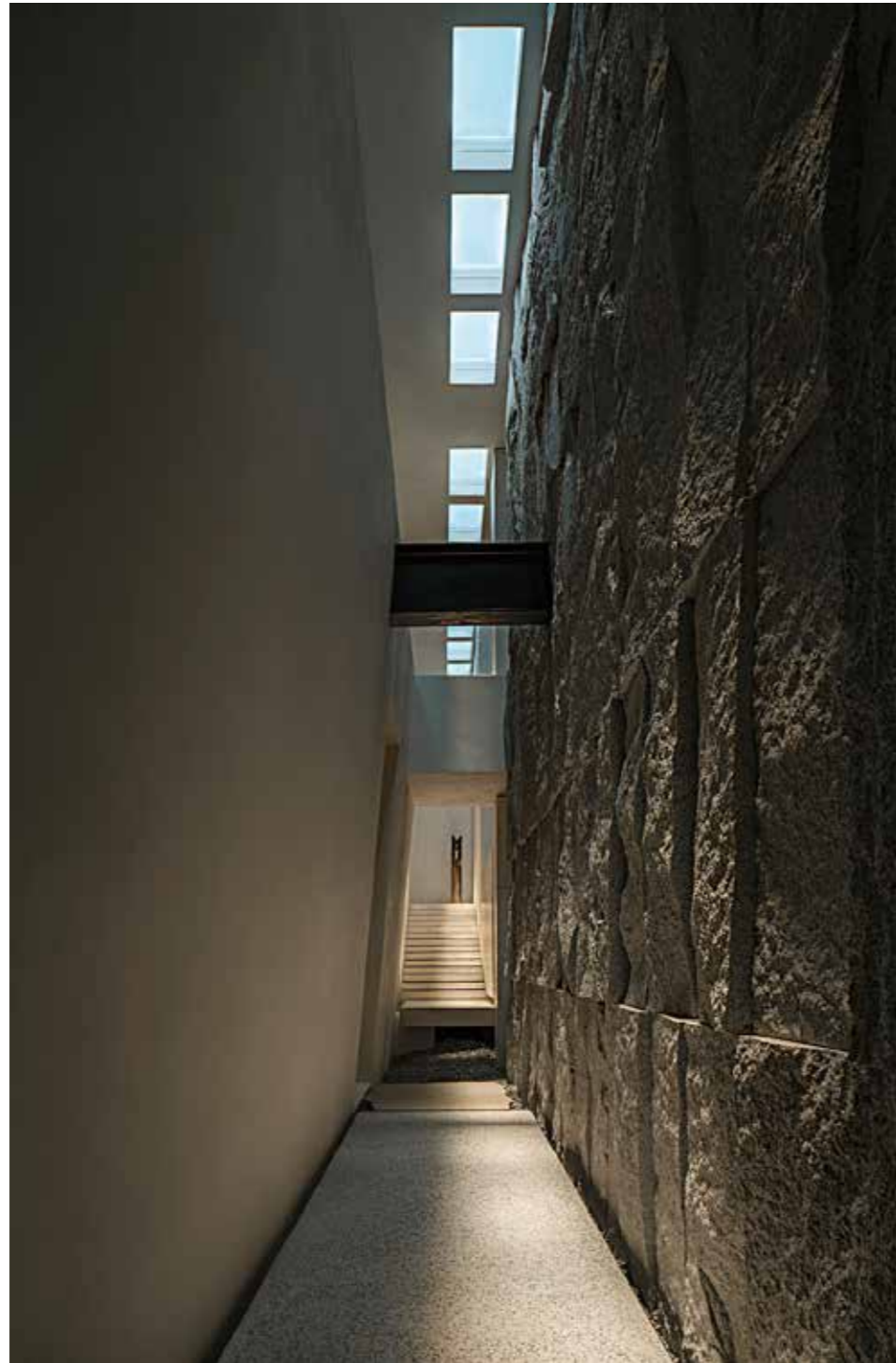


Sky light



Sun light

Project: Basement
Composition: Sky light + Sun light Product:
FINESTRA2-120 /cloud version



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

Intensity of Light



Project: Canyon
Beam angle: 7°
Installation height: 10m
Product: FINESTRA2-120/sky
version Size: 1170*570*73mm

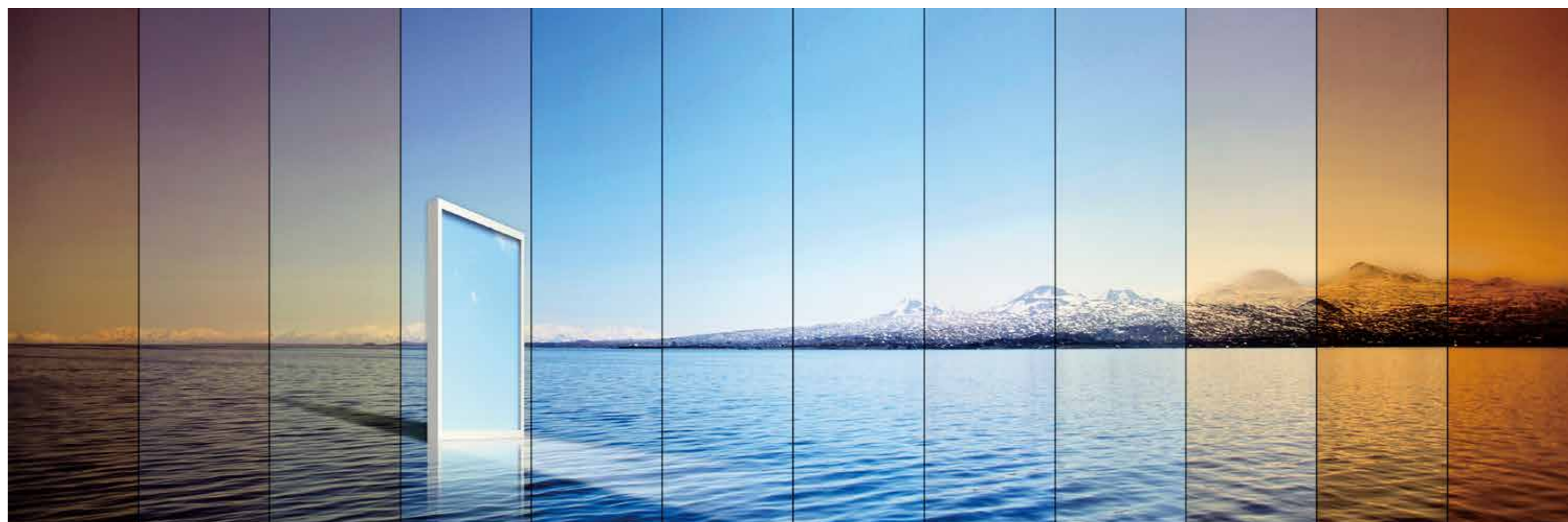
illuminazione Circadiana

2500-10000k CCT

5000^l lux illuminance

90% Sunshine Spectrum

24H cyclical changes



Impostazioni della FINESTRA



FINESTRA - Artificial Sunlight System

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

From sunrise to sunset, restore the sunlight environment.

FINESTRA 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 FINESTRA



Digital Addressable
Lighting Interface

DALI

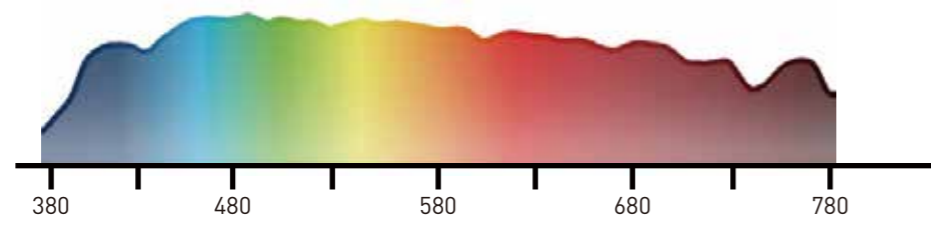
Device Type 6 (DT6)

Device Type 8 (DT8)

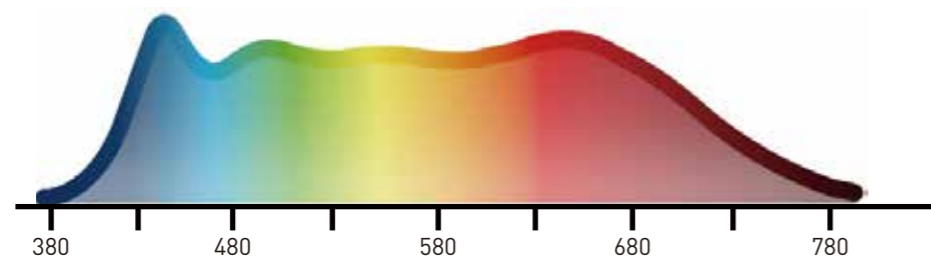
Can adjust light and color temperature

Spectro della FINESTRA

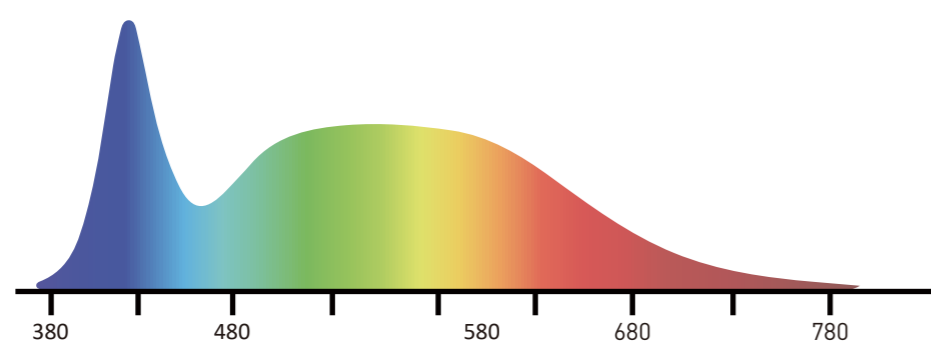
After extensive experimental research, the Ewindow used a variety of phosphor ratios to finally match an LED that is very similar to the sunlight spectrum, to provide better light color quality.



Sunlight spectrum : most abundant spectrum

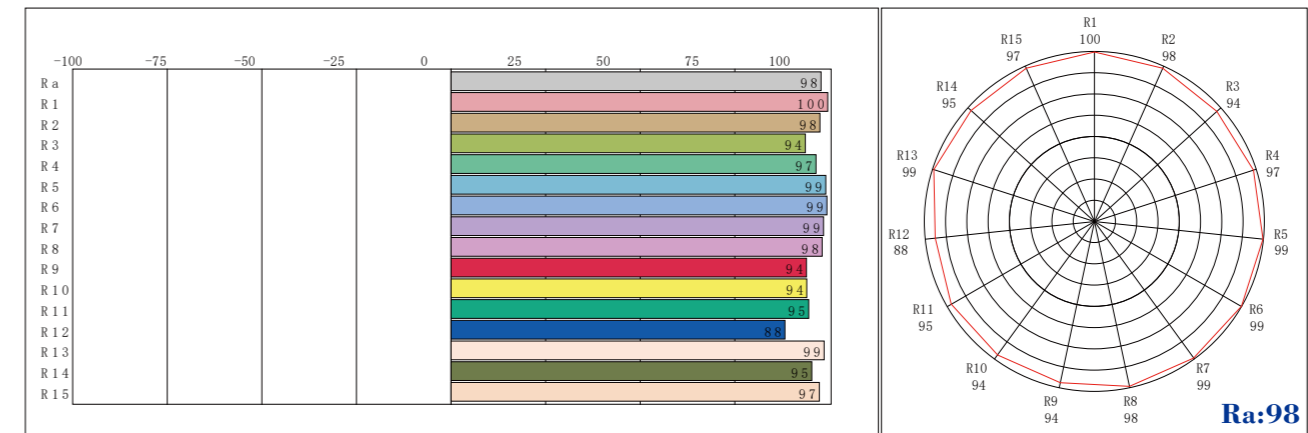


Ewindow spectrum : most closest to sunlight

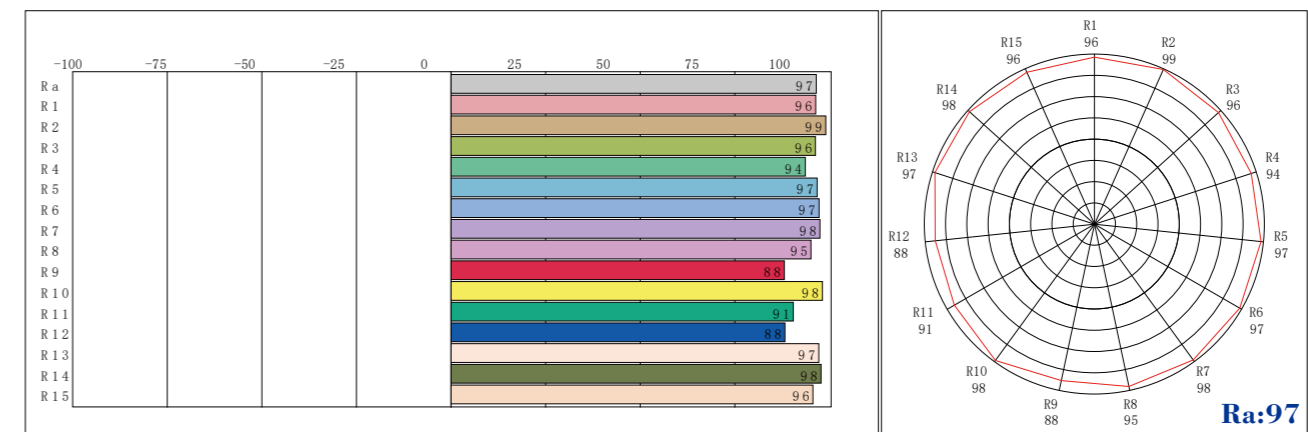


Common LED spectrum

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.



Daylight White LED CRI



Warm White LED CRI



FINESTRA — Product Specifications [/product/](#)

Product



01

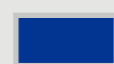
Finestra.2-60



Sky/Cloud Version
Power: 112w
Voltage: 90-277Vac Dim:
570*570*73mm Sky Dim:
460*460mm Recessed/
Surface installation
Illuminance(3m): 3500lux
CCT: 2700-1000k Ra95
Light Tilt: 90°
Life time: 50000H

02

Finestra.2-120



Sky/Cloud Version Power:
240w
Voltage: 90-277Vac Dim:
1170*570*73mm Sky Dim:
1060*460mm Recessed/
Surface installation
Illuminance(3m): 5000lux CCT:
2700-1000k Ra95 Light Tilt:
90°
Life time: 50000H

03

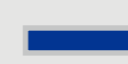
Finestra.3-1212



Dynamic version
Power: 415w
Voltage: 90-277Vac Dim:
1170*1170*121mm Sky
Dim: 1080*1080mm
Recessed installation
Illuminance(3m): 3000lux
CCT: 2500-1000k Ra95 Light
Tilt: 90°
Life time: 50000H

04

Finestra.3-1503



Sky Version
Power: 100w
Voltage: 90-277Vac Dim:
1481*270*116mm Sky
Dim: 1459*181mm
Recessed installation
Illuminance(3m): 3000lux
CCT: 2500-1000k Ra95
Light Tilt: Wall washer/30°
Life time: 50000H

05

Finestra.3-R60



Sky Version
Power: 100w
Voltage: 90-277Vac
Diameter:600mm
Sky Diameter:500mm
Recessed installation
Illuminance(3m): 3000lux
CCT: 2500-1000k Ra95
Light Tilt: 90°
Life time: 50000H



FINESTRA — Simulate Sunshine / Specifications



EWINDOW3-1212S

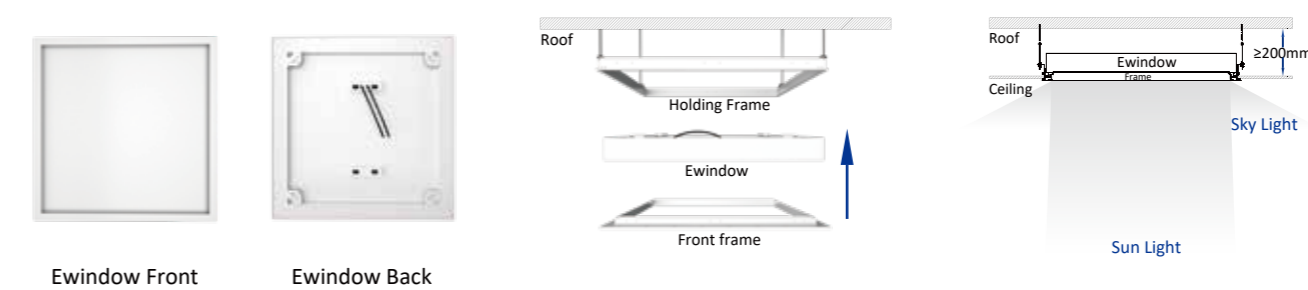
- Dynamic sk , with moving clouds
- Multi-Ewindows splicing to achieve sky linkag
- Simulate 24-hour sunlight change
- Bright sunshine follows sunlight spectru
- Large sky outlet narrow frame border

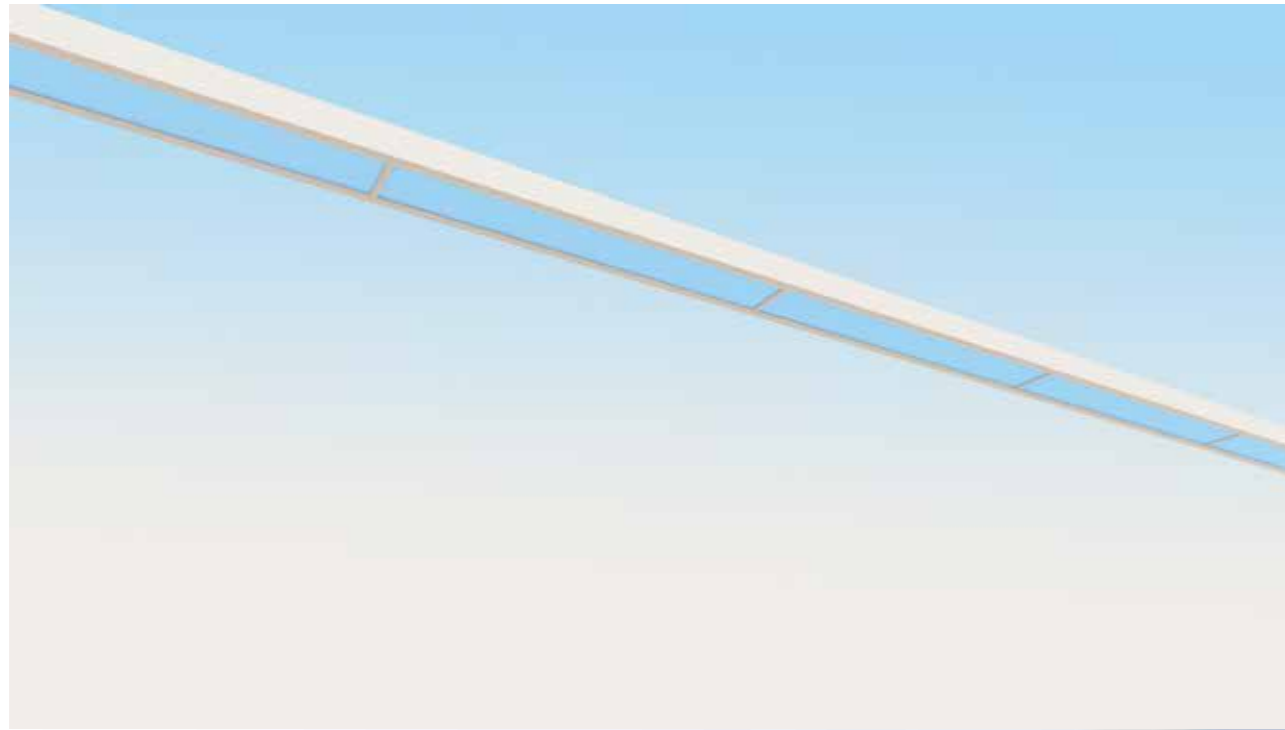
Specifications : All electrical parameters are values at 12 o'clock

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 front 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.

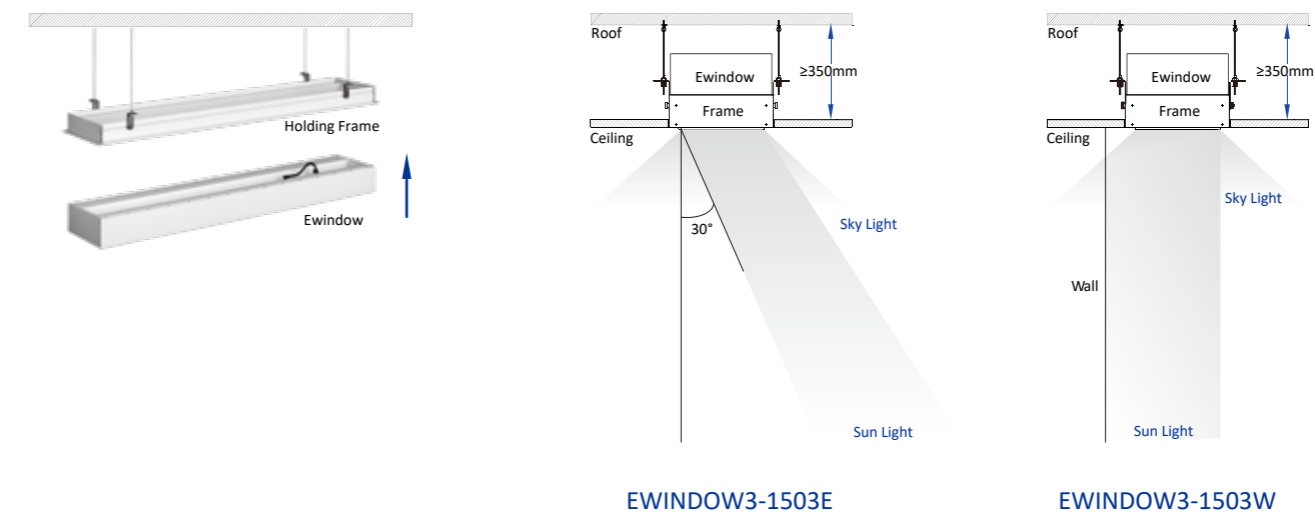
- Linear installation, longitudinal ultra-narrow splicing gap (22mm)
- Simulate 24-hour sunlight change
- Bright sunshine follows sunlight spectrum
- Ewindow3-1503E : 30-degree tilt sunshin
- Ewindow3-1503W : wall washe

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℃
Sky Effect	: True Blue	Certification	: CE、 ETL、 CCC

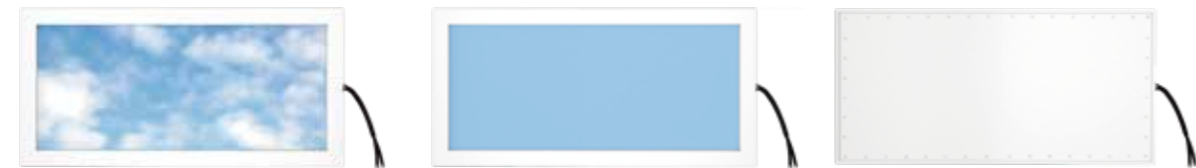
Recessed Installation : Insert Ewindow into the holding frame, and then install the front frame

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





EWINDOW2-1206



Front (Cloud View Version)

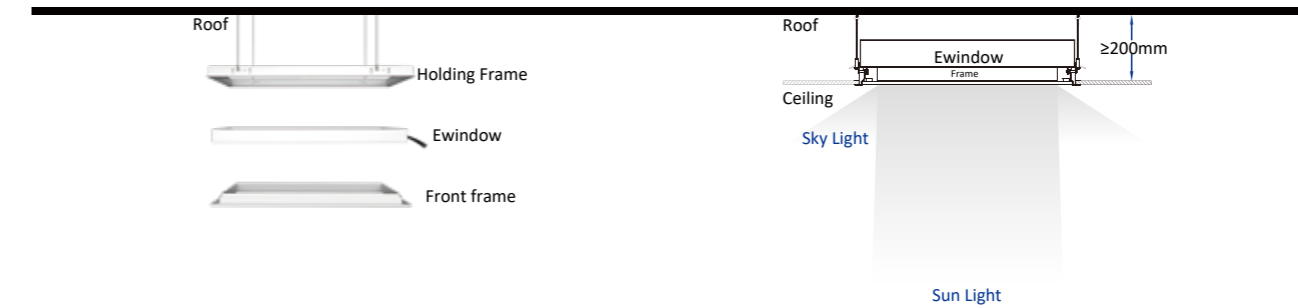
Front (True Blue Version)

Back

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

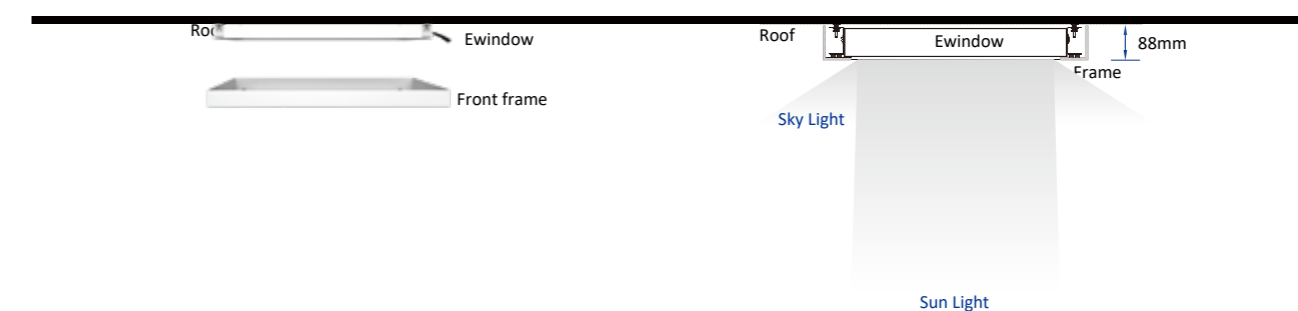
Power	: 240W	Control Method	: APP、 Panel、 DALI
Voltage	: 90-277Vac	Dimming Range	: 0-100%
Illuminance(3m)	: 5000lux	Shell Material	: Aluminium alloy
CCT	: 2700-10000K	Surface Material	: Tempered glass
Ra	: 98	Weight	: 16kg
Light Tilt	: 90°	IP	: 50
Life time	: 50000H	Operating temperature	: - 20~40 C
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.



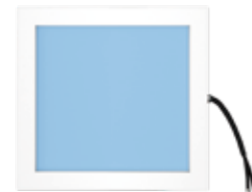
Ewindow Size	: 1170*570*73mm	Front Frame Size	: 1180*680*88mm
Sky Size	: 1060*460mm	Border width when splicing	: 72*2=144mm
Finished Height	: 88mm		



EWINDOW2-0606



Front (Cloud View Version)



Front (True Blue Version)

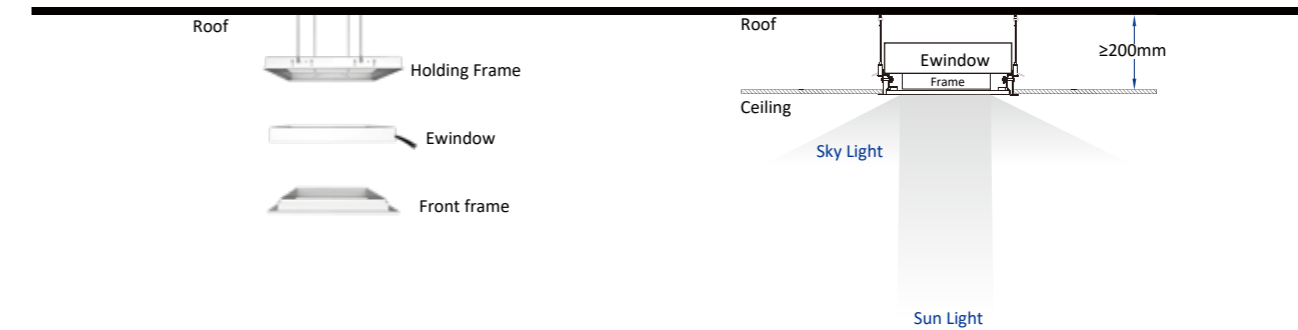


Back

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.



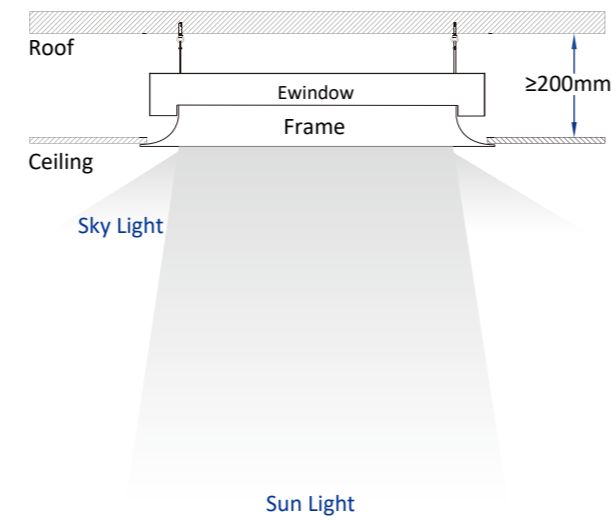
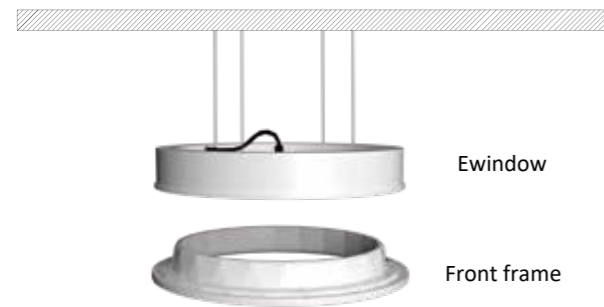
Ewindow Size	: 570*570*73mm	Holding Frame Size	: 600*600*60mm
Sky Size	: 460*460mm	Front Frame Size	: 558*558*67mm
Hole Size	: 580*580mm	Border width when splicing	: 62*2=124mm
Ceiling Height	: ≥ 200mm		

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.....



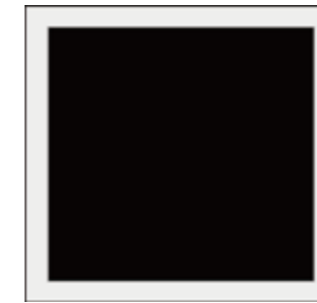
Ewindow Size	: Diameter=600mm, Height=93mm
Front Frame Size	: Diameter=620mm, Height=80mm
Sky Size	: Diameter=500mm
Hole Size	: Diameter=625mm
Ceiling Height	: at lesat 200mm

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

Power	: 150W
Voltage	: 90-240/277~Vac
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 °C
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.



LEDIT

FINESTRA — Simulate Sunshine / Applications



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lights & more

The Pantheon in the evening

Salute to The Sunshine

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

Project: Sales Center
Product: FINESTRA2-120/cloud version
Size: 1170*570*73mm



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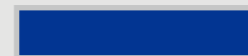
Basement Space

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.

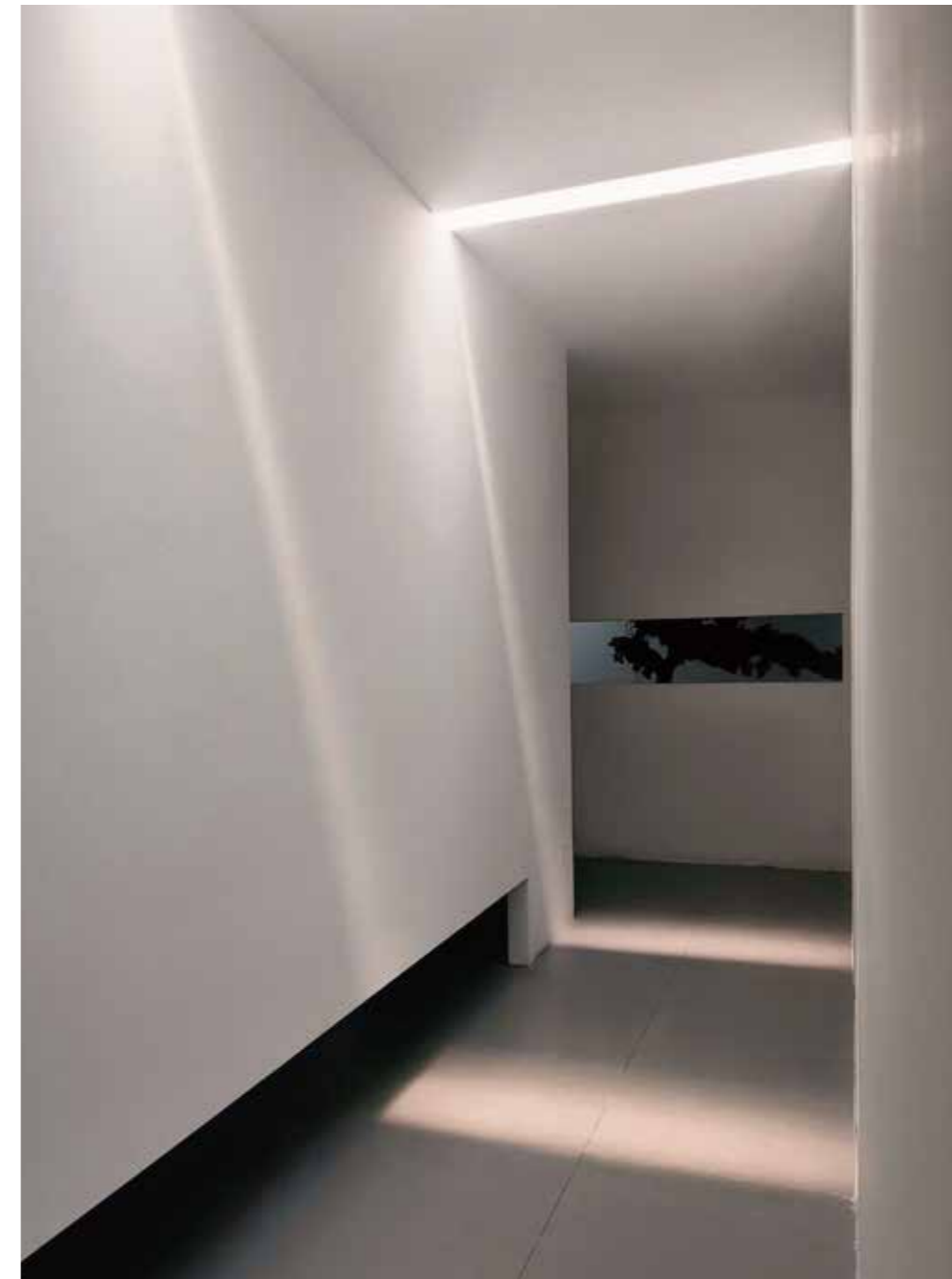
Sunlight is the life of a space. Using EWINDOW as a supplement of indoor sunlight, restores the vitality of the space, and revitalizes the use of the space. The blue sky also adds color to the space.

Project: Underground Office
Product: Ewindow2-1206/True Blue version





Wall: oblique light path
Ground: Sunlight spots



Linear

Project: Corridor
Product: Finestra.3-1503 /light tilt 30°
Size: 1481*270*116mm

Sky and Cloud

FINESTRA with moving clouds

Project: Beijing Home Exhibition Hall
Installation: multiple splicing Product:
FINESTRA3-1212
Size: 1170*1170*121mm

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

FINESTRA.3-1212, ultra-narrow bezel design, and an all-in-one ultra-large light output. Multi-light splicing realizes multi-sky picture linkage, which is extremely shocking.

FINESTRA.3-1212 uses an all-aluminum alloy body and a tempered glass surface, which is safe and reliable. When the lights are turned off, the surface is pure white, and the sky is blue, which is the most outstanding.



Moving Clouds

Square



FINESTRA uses precision micro-optical technology to focus light into a large-area parallel beam. FINESTRA 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 FINESTRAs can be used when spliced together
Product: Finestra.3-1212/
moving clouds Size: 1170*1170*121mm



Round

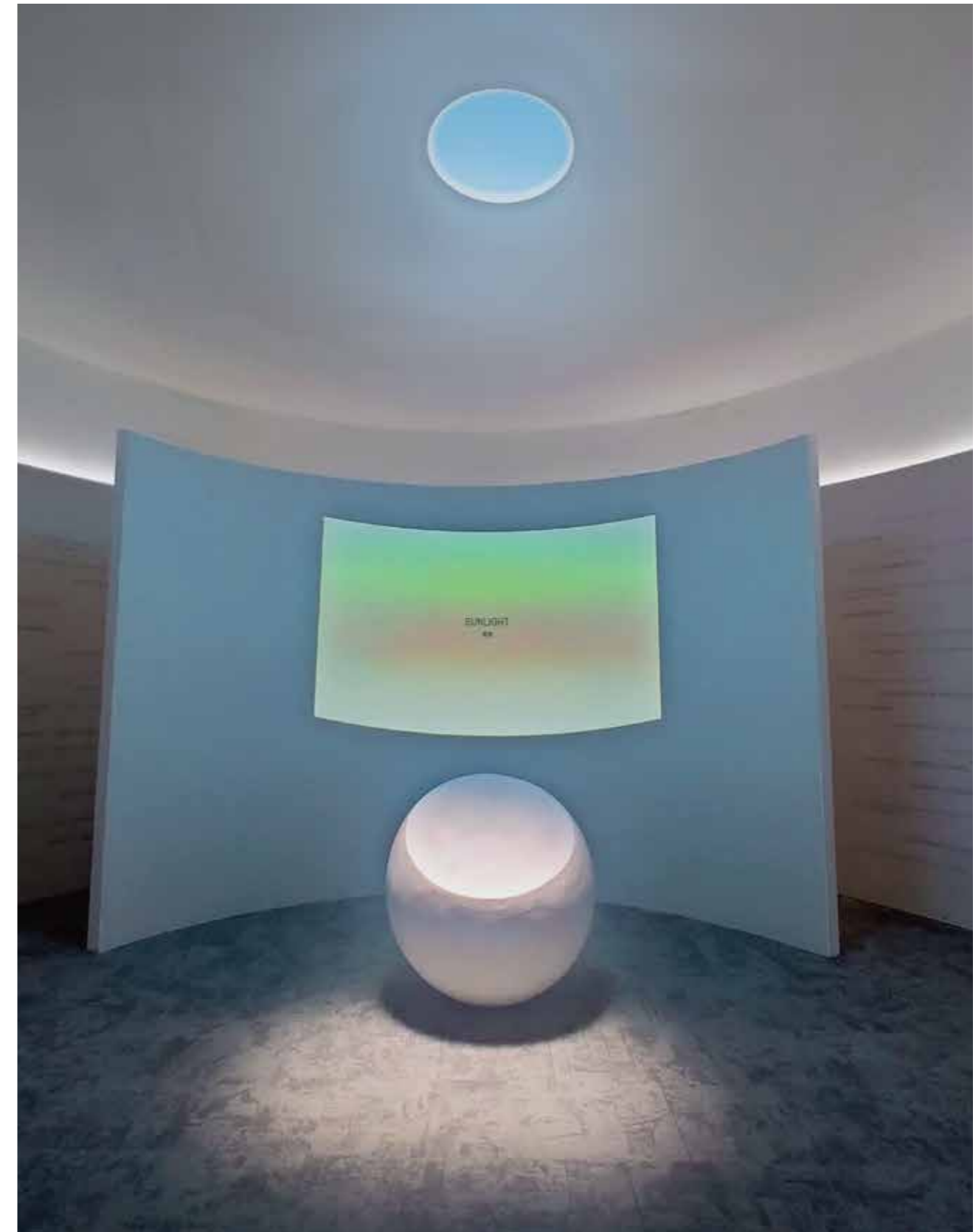


The round is recognized as the most perfect geometric figure in the world. The round is a classic, symbolizing harmony, wisdom, tolerance.

The round building can give people a harmonious and perfect experience.

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

Project: Art Space
Product: Finestra.3-R60
Size: Diameter 600mm



Chain Store

Nowadays, most of the indoor spaces are closed spaces. There is a serious lack of indoor lighting, 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 to bring customers a more comfortable shopping experience.

Project: Car Chain Store
8 Ewindows can be used when spliced together
Product: Finestra2-120/sky version
Size: 1170*570*73mm





Commercial

Installation: Clothing Store
Chain Store: 60 stores installed
Product: Finestra2-120/sky&cloud
version Size: 1170*570*73mm



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



Linear



Wall Washer

Project: Cultural Wall
Height: 3m
4 FINESTRA seamless splicing
Product: FINESTRA3-1503/Wall Washer
Size: 1481*270*116mm

The highest wall that can be washed: 12m
Even lighting on the entire wall
FINESTRA splicing 20mm splicing frame
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 FINESTRA products to provide lighting in the traditional Chinese herbal medicine planting area to ensure the survival of Chinese medicine.

Project: Mayo Clinic

Product: FINESTRA2-120/cloud version

PPFD

Photon flux density refers to the number of photons passing through unit area per unit 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.

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





Supplement Sunshine



LEDIT

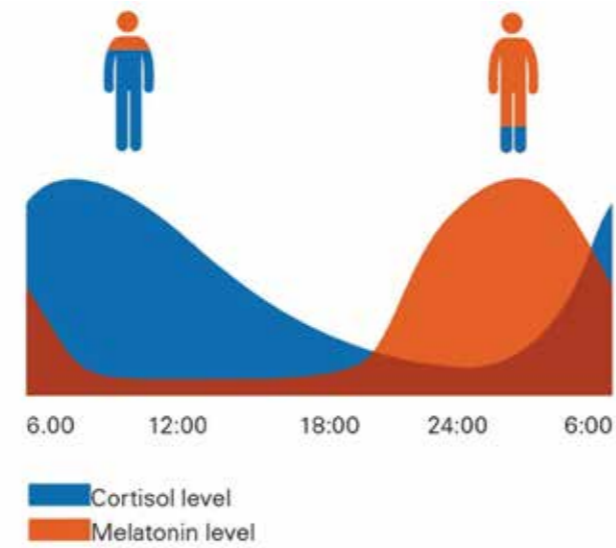
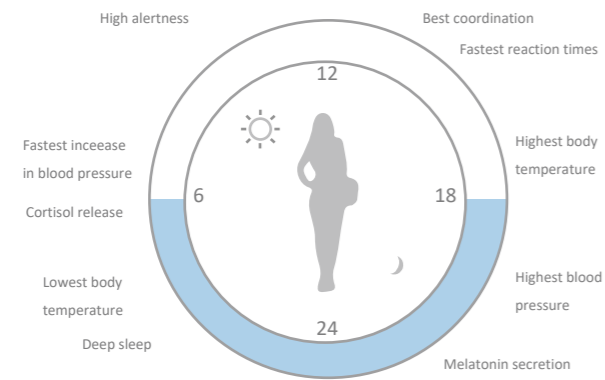
Visita il Nostro Canale su YouTube:
https://youtu.be/ikNW0gwGXvo?si=-VtINwIGkIAt_x1n



Project: Underground School Class

Product: Finestra2-120/cloud
version Size: 1170*570*73mm

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: Finestra-2-120/cloud
version Size: 1170*570*73mm

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 proved that phototherapy can effectively treat and improve depression symptoms.

