




ARTIFICIAL SKYLIGHTS

————— Mental Health & Wellness —————

Bring The Outdoors In With Human Centric Lighting
From Artificial Sky

www.ArtificialSky.com



A SKYLIGHT CAN POSITIVELY IMPACT BOTH YOUR MENTAL AND PHYSICAL HEALTH

RAYLEIGH SCATTERING TECHNOLOGY, THE ANGLE THROUGH WHICH SUNLIGHT IN THE ATMOSPHERE IS SCATTERED BY MOLECULES OF THE CONSTITUENT GASES VARIES INVERSELY AS THE FOURTH POWER OF THE WAVELENGTH, HENCE BLUE LIGHT, WHICH IS AT THE SHORT WAVELENGTH END OF THE VISIBLE SPECTRUM, WILL BE SCATTERED MUCH MORE STRONGLY THAN LONG WAVELENGTH RED LIGHT. THIS RESULTS IN THE BLUE COLOR OF THE SKY. ARTIFICIAL SKY HAS RECREATED THIS ATMOSPHERICAL WONDER INSIDE AN AMBIENT LUMINAIRE FOR BOTH COMMERCIAL AND RESIDENTIAL LIGHTING APPLICATIONS.





CONTENT

WELCOME

TECH

WELLNESS

PRODUCTS

WELCOME

ARTIFICIAL SKY

A Service Disabled Veteran Owned Small Business (SDVOSB) and professional manufacturer of Human Centric Lighting products since 2009 with internal R&D, Production and Marketing departments.

Artificial Sky strives to solve life's daily problems by combining intelligent and optics technologies to improve sleep, increase productivity, protect eyesight, relieve seasonal affective disorder, combat Alzheimer's and dementia, improve mental health, reduce stress, improve patient outcomes and recalibrate the human circadian system.

ARTIFICIAL SKYLIGHTS

Artificial Skylights help increase serotonin levels for room occupants to help improve overall mood, mental and physical health. Serotonin plays several roles in your body, including influencing learning, memory, happiness as well as regulating body temperature, sleep, sexual behavior and hunger. Lack of serotonin is thought to play a role in depression, anxiety, mania, sleep-cycle disturbances, phobias, panic and other health conditions.

TECH

ARTIFICIAL SKYLIGHTS

TECHNOLOGY LIGHTYEARS AHEAD OF THE COMPETITION

Rayleigh Scattering

The sky appears blue to the human eye as the short waves of blue light are scattered more than the other colors in the spectrum, making the blue light more visible. We recreate this effect in our Artificial Skylight.

Sunlight

Atmosphere

THREE CORES

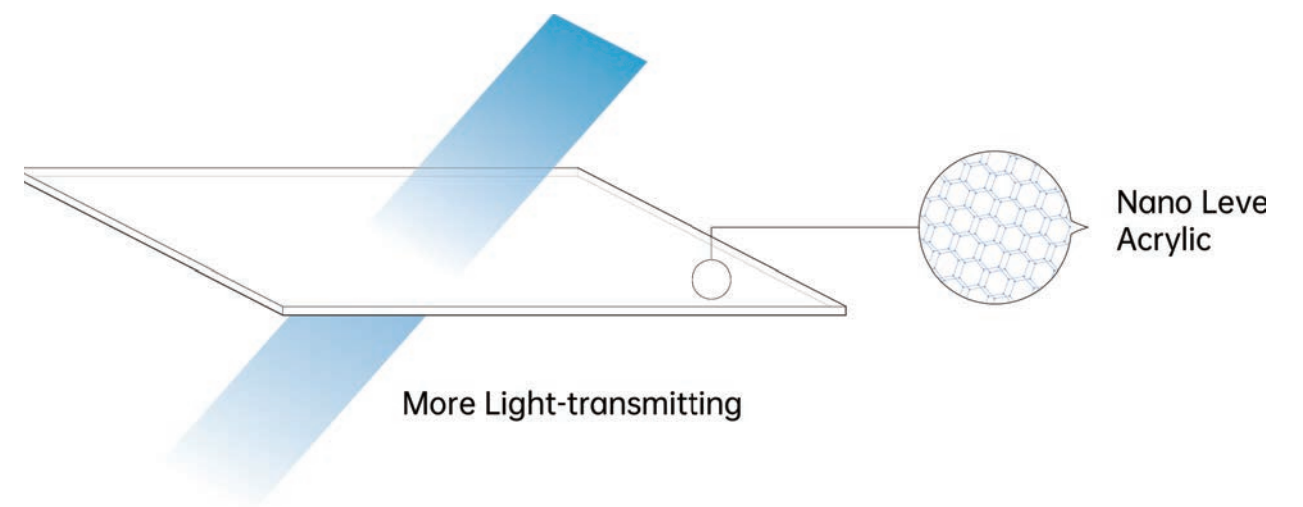
NANO SCATTERING PLATE ■

STABLE THICKNESS ■

LONG-DISTANCE OPTICAL FILM ■

ARTIFICIAL SKYLIGHTS

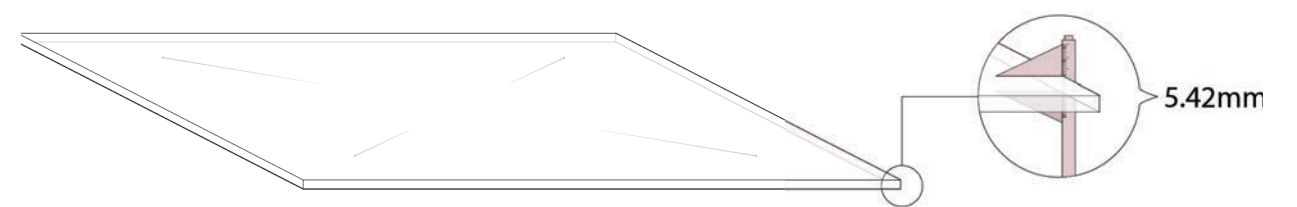
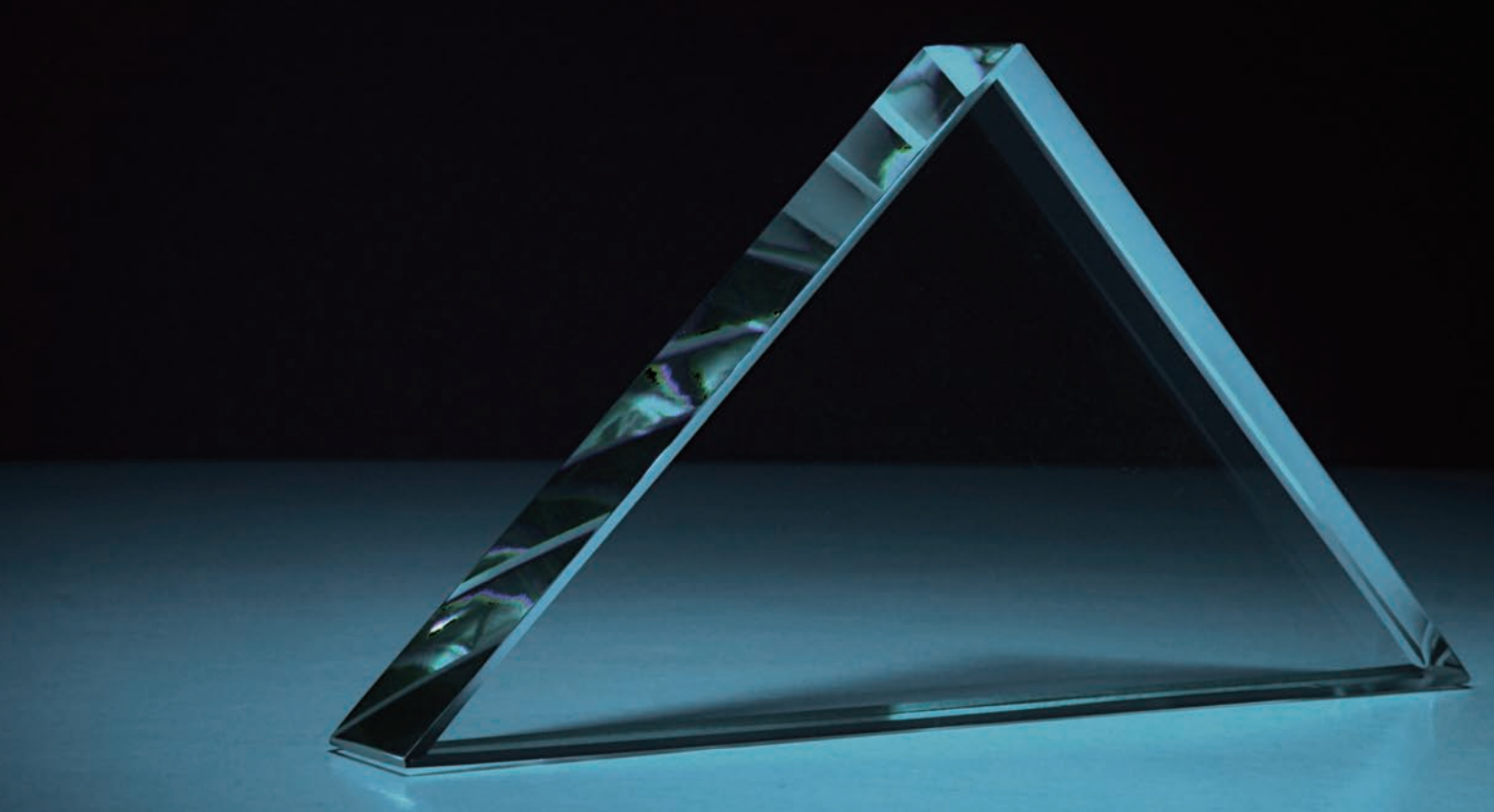
NANO SCATTERING PLATE



Acrylic based nano scattering plate has a better light transmittance and anti-oxidation ability than other lighting products in the market.

ARTIFICIAL SKYLIGHTS

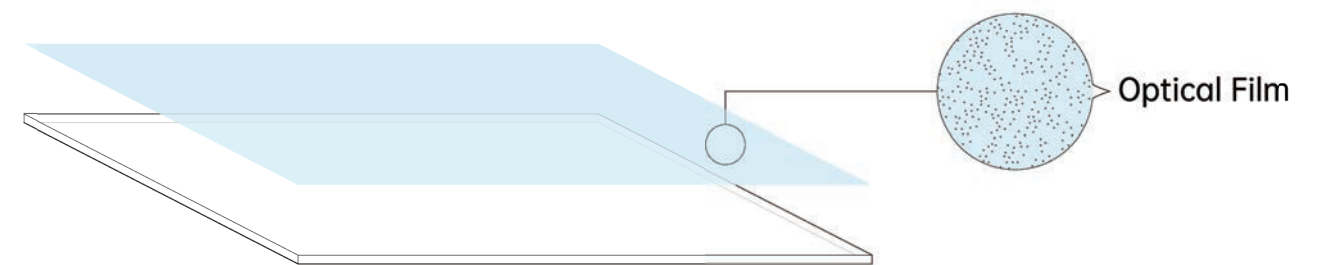
STABLE THICKNESS



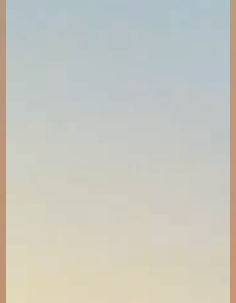
The stable thickness provides the skylight with better mechanical strength, light mixing and scattering effects than other luminaries on the market, enabling the skylight to present a more realistic sky depth and optical illusion.

ARTIFICIAL SKYLIGHTS

LONG-DISTANCE OPTICAL FILM



The long distance optical film was created by NASA engineers and helps portray a sense of infinite space and a distant view for room occupants.



8000⁺m

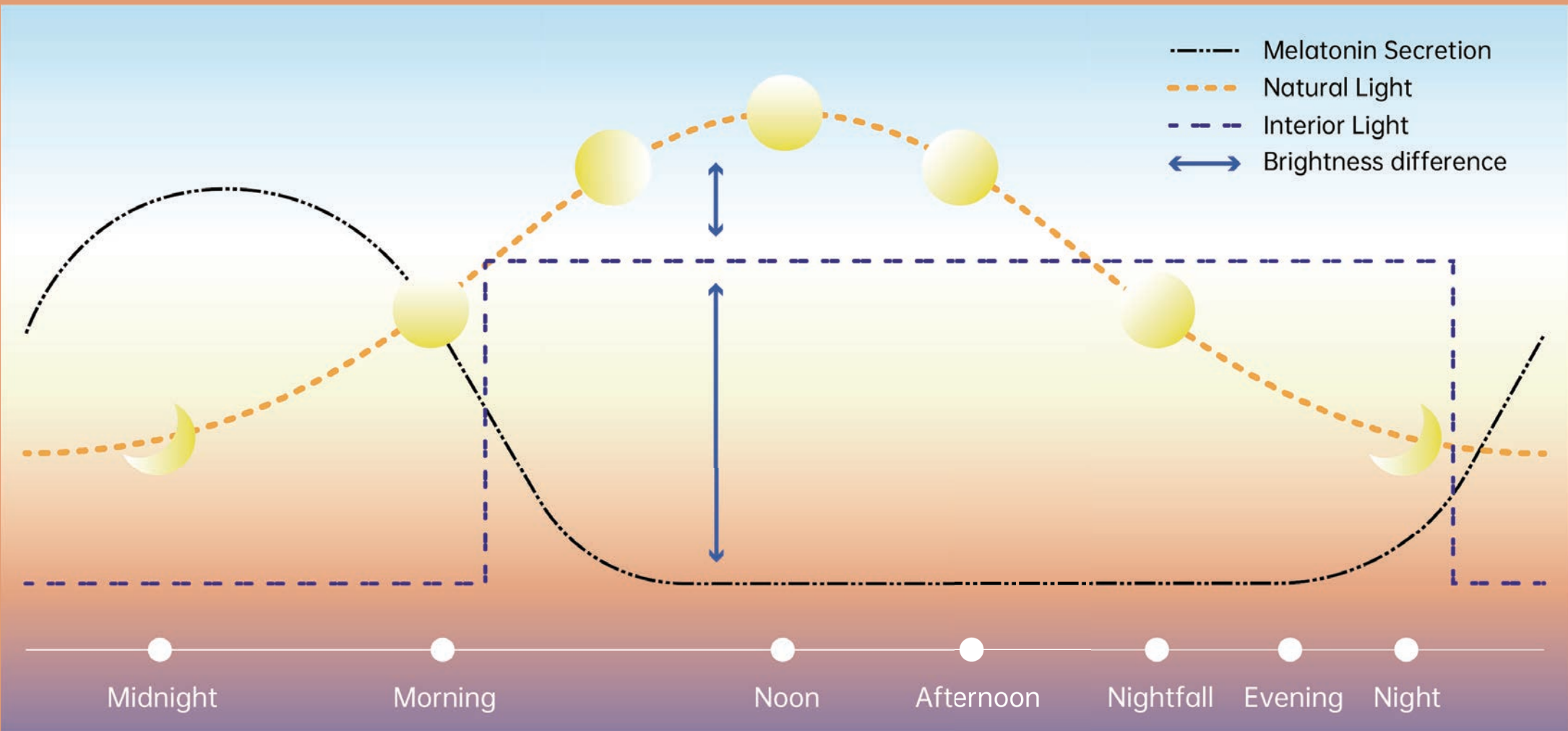
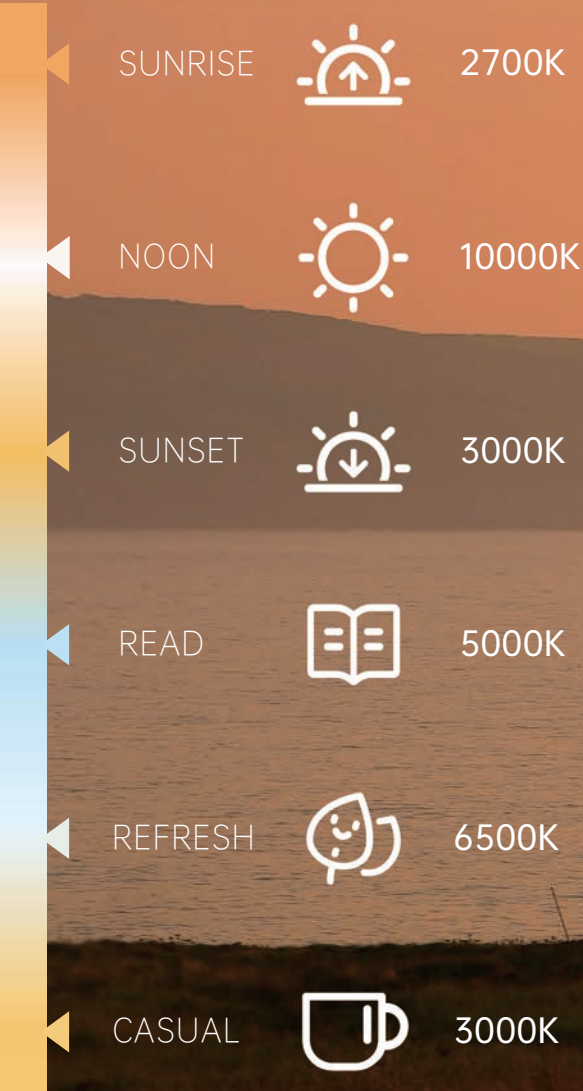
The Distance between
Sky and Ground

VISUAL APPEARANCE
IINFINITE DEPTH PERCEPTION

SCENE MODE

HUMAN CENTRIC LIGHTING SYSTEM
Bring your interior space close to nature

CORRELATED COLOR TEMPERATURE



ADJUSTABLE NATURAL SUNLIGHT

When sunlight enters your eyes, it stimulates the parts of your retina that then cue your brain to produce serotonin. Serotonin appears to play a role in regulating mood, emotions, and sleep. If you are happy at work or school, your body is getting a constant boost of serotonin, instilling confidence in you to succeed in whatever you are doing.

Biorhythm Intelligent Adjustment

Autonomous Sunlight Simulation
Simulate any time of day, at any time of the year, from sunrise to sunset.



App Control via
Smart Phone



WELLNESS

Neuroscience and Design

HEALING

RELAXING

NATURE

DAYLIGHTING



HEALING



RELAXING



NATURE



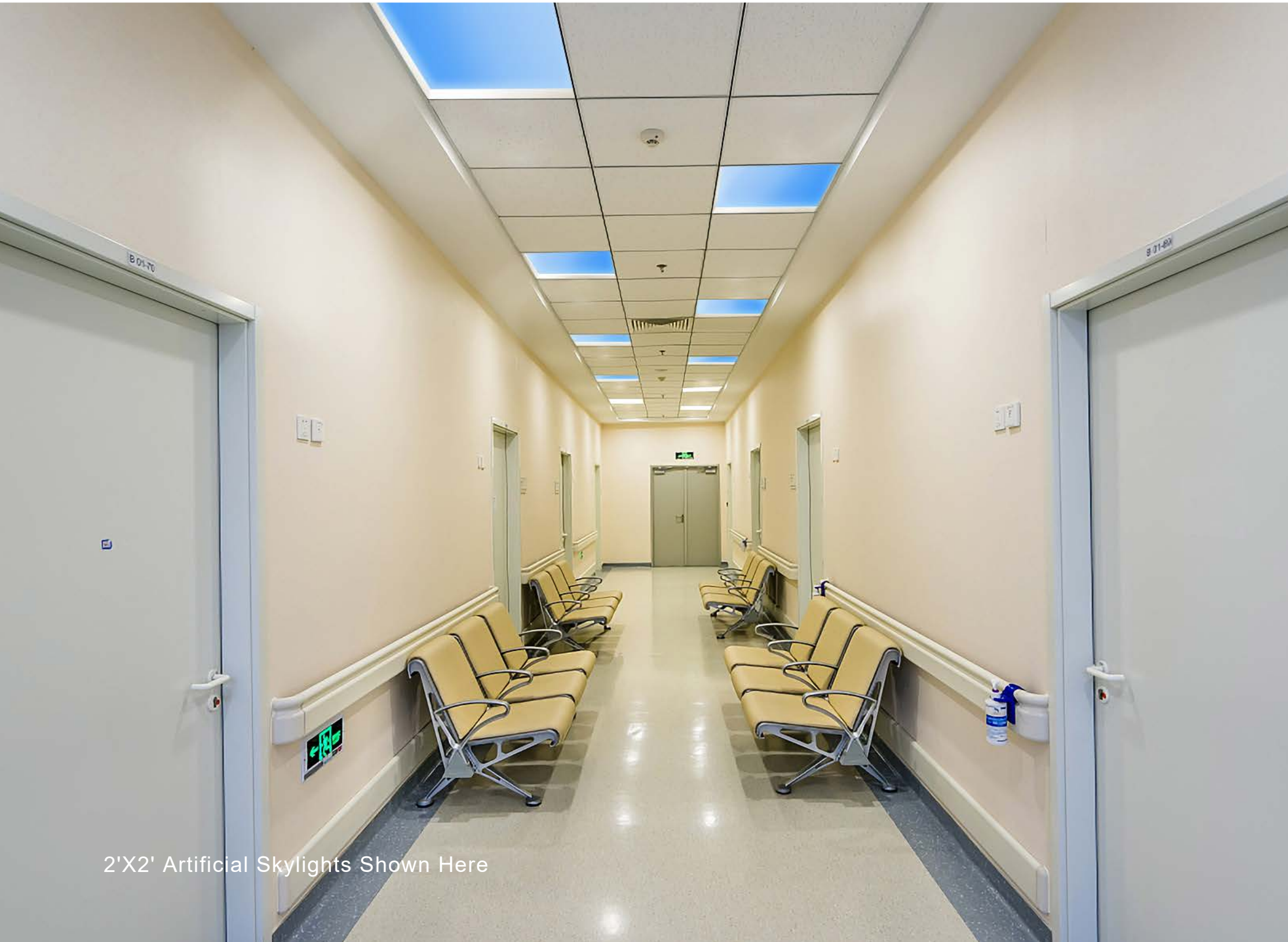
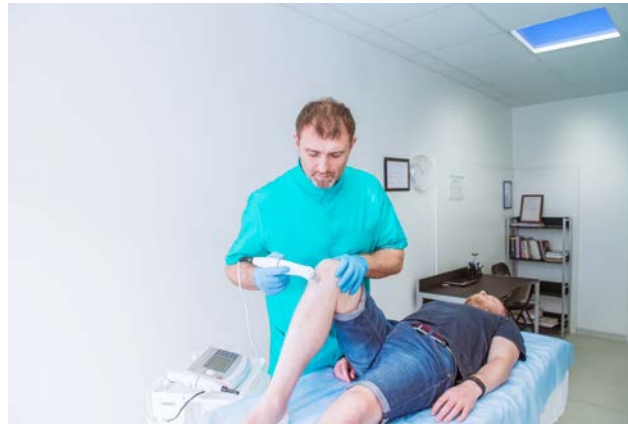
DAYLIGHTING

ARTIFICIAL SKYLIGHTS are a high-tech ambient light, focused on creating an infinite blue sky with realistic depth. Artificial Sky can help improve overall mood, mental and physical health by influencing learning, memory, happiness, as well as regulating body temperature, sleep, sexual behavior and hunger. Lack of enough serotonin is thought to play a role in depression, anxiety, mania and other health conditions.

WELLNESS

WELLNESS

LET THE SKY HEAL YOU



2'X2' Artificial Skylights Shown Here

HEALING

Too often patients, staff and physicians find themselves cooped up in dimly lit rooms and sterile hallways with little access to natural light or views of nature: too much concrete, not enough jungle.



HEALING

For patients, light has been found to support the healing process by alleviating pain, reducing depression, lower stress & anxiety levels, improving sleep and circadian rhythms and, for certain patients, reducing the length of their hospital stay. Hospital staff need efficient lighting for check-ups and research. High CCT lighting levels increase alertness, which is directly connected to patient safety and quality care in healthcare environments.

Artificial Skylight 2'x2' shown

WELLNESS

THE RELAXING TOUCH OF THE SKY



RELAXING

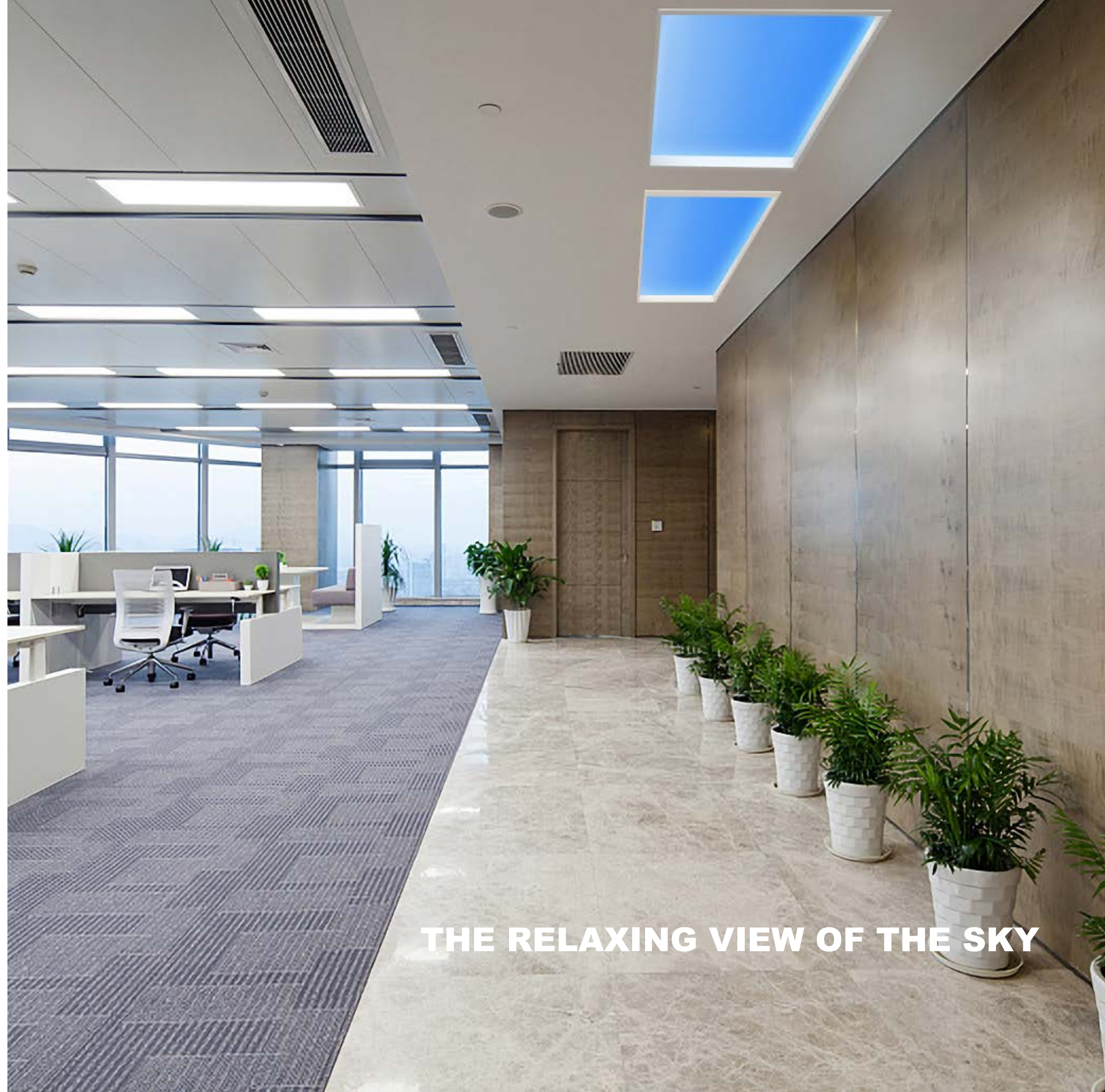
To measure mental anguish, researchers at Michigan State University, led by Dr. Amber L. Pearson, used the Kessler Psychological Distress Scale (K10) which is an efficient predictor of anxiety and mood disorders. They found that subjects exposed to more views of blue spaces showed lower levels of psychological distress. In fact, the levels were significantly lower.

2'X4' Artificial Skylight shown

RELAXING

In offices and schools, Human Centric Lighting has been shown to increase alertness and concentration, resulting in higher performance and productivity from employees and students. In hospitals, psychiatric wards, and nursing homes, it has also been shown to improve patient care and shorten recovery times.

OFFICE SPACE



THE RELAXING VIEW OF THE SKY

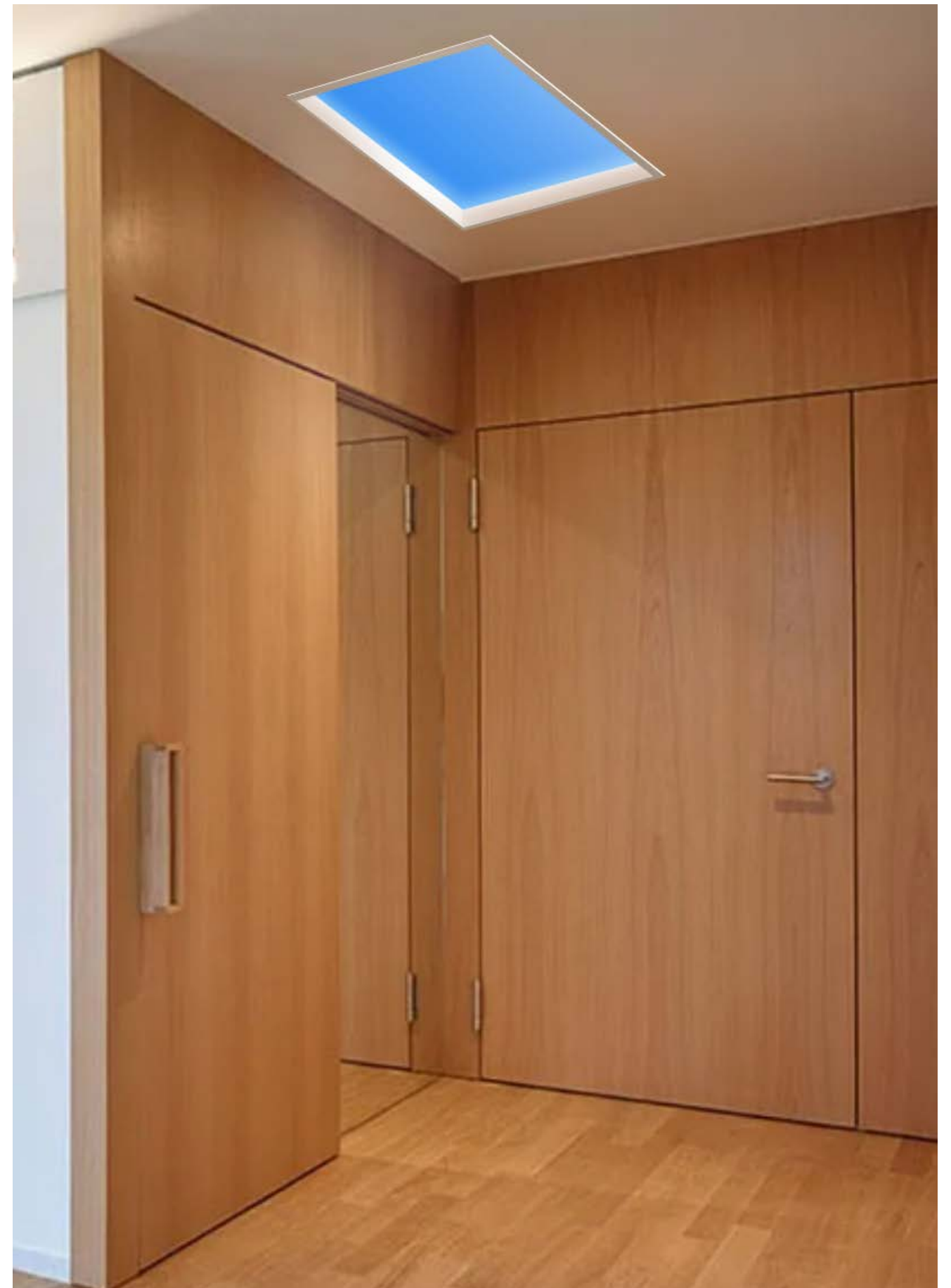
2' x 6' Artificial Skylights shown here

RELAXING

Skylights and window views has been empirically linked to various outcomes such as higher job satisfaction, reduced absenteeism, higher productivity, lower stress levels and greater ability to cope with stress at work, and more positive social interactions between colleagues as well as greater overall mental wellbeing. This is thought to occur as a result of nature's influence in promoting psychological restoration from states of stress and mental fatigue.



1' x 2' Artificial Skylights shown



WELLNESS

BRING IN NATURE



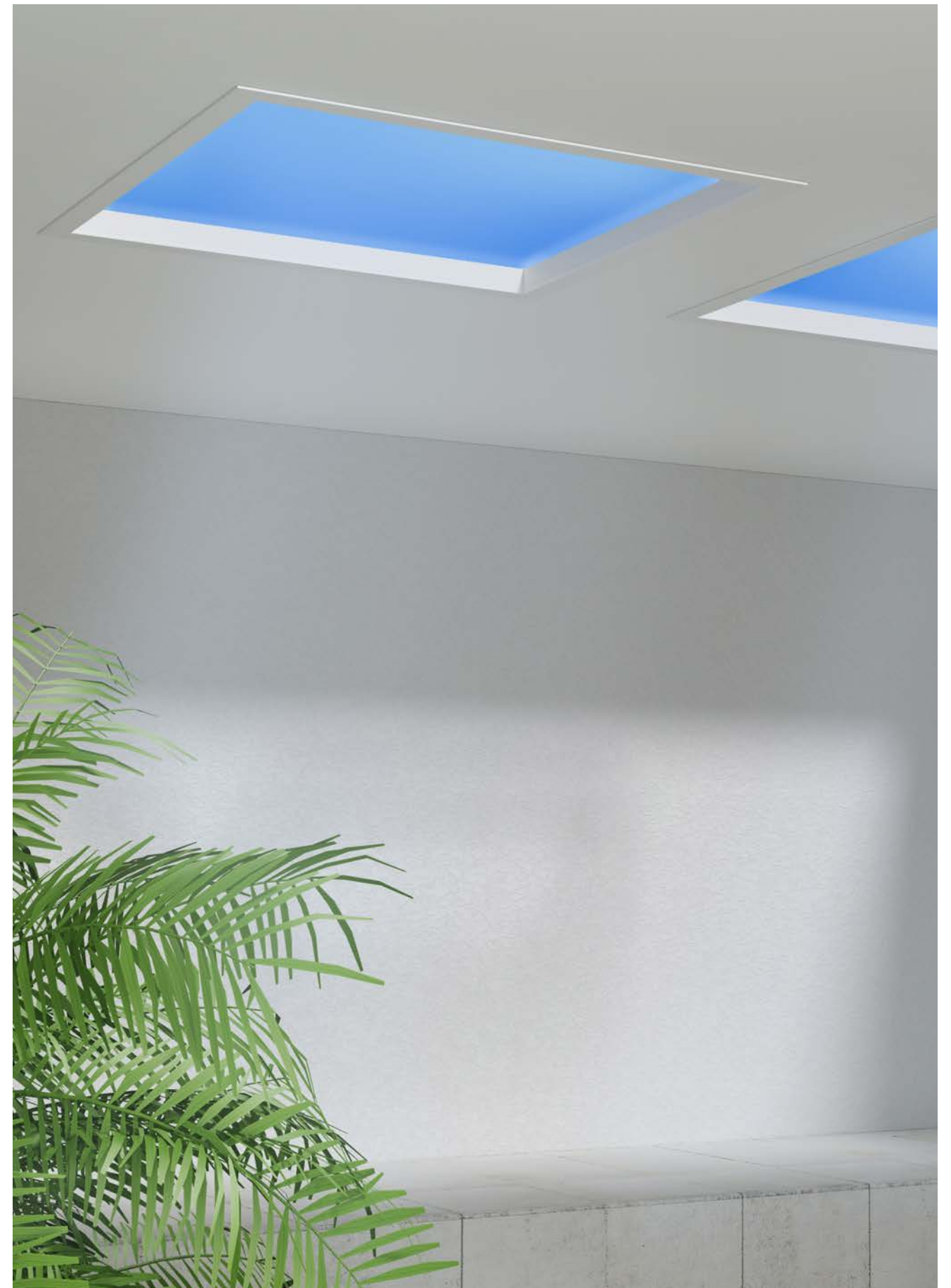
2'x4' Artificial Skylights shown

NATURE

The hospitality industry's focus has been shifting from the guest room experience to the common, shared or public spaces, whereby the hotel lobby becomes the neighborhood living room. With this trend in mind, we began to ask how biophilic design may be serving as a tool in creating or enhancing the specialized guest experience. We took a look at the types of biophilic experiences hotels are offering. In addition to hotel lobbies, we also looked at hotel restaurants, bars, guest rooms, spas and other amenities to understand which biophilic qualities contributed to the identity of a space and how those qualities might uniquely impact the guest experience and behavior. Both greenery and human centric lighting top the list of hospitality must-haves.

NATURE

It can be difficult for kids to wake up early and feel motivated to go to school. But, it is even more challenging to sit in poorly lit classrooms all day and learn. Light set at 6500K+ positively affects academic performance, while light set at 3500K encourages recess activities. Teachers can use Artificial Sky as a behavioral cue, energizing students with cool blue lights that mimic sunlight and help them calm down with warm color temperatures.



WELLNESS

DAYLIGHTING FOR MENTAL HEALTH & WELLNESS



2'x2' Artificial Skylights

DAYLIGHTING

Decreased sun exposure has been associated with a drop in your serotonin levels, which can lead to major depression with seasonal pattern. The light-induced effects of serotonin are triggered by daylight that goes in through the eye. Sunlight cues special areas in the retina, which triggers the release of serotonin. So, you're more likely to experience this type of depression in the winter time, when the days are shorter or you spend a good deal of time each day in windowless environments.

Due to this connection, one of the main treatments for depression with seasonal pattern is light therapy.



DAYLIGHT FILLS YOUR SPACE

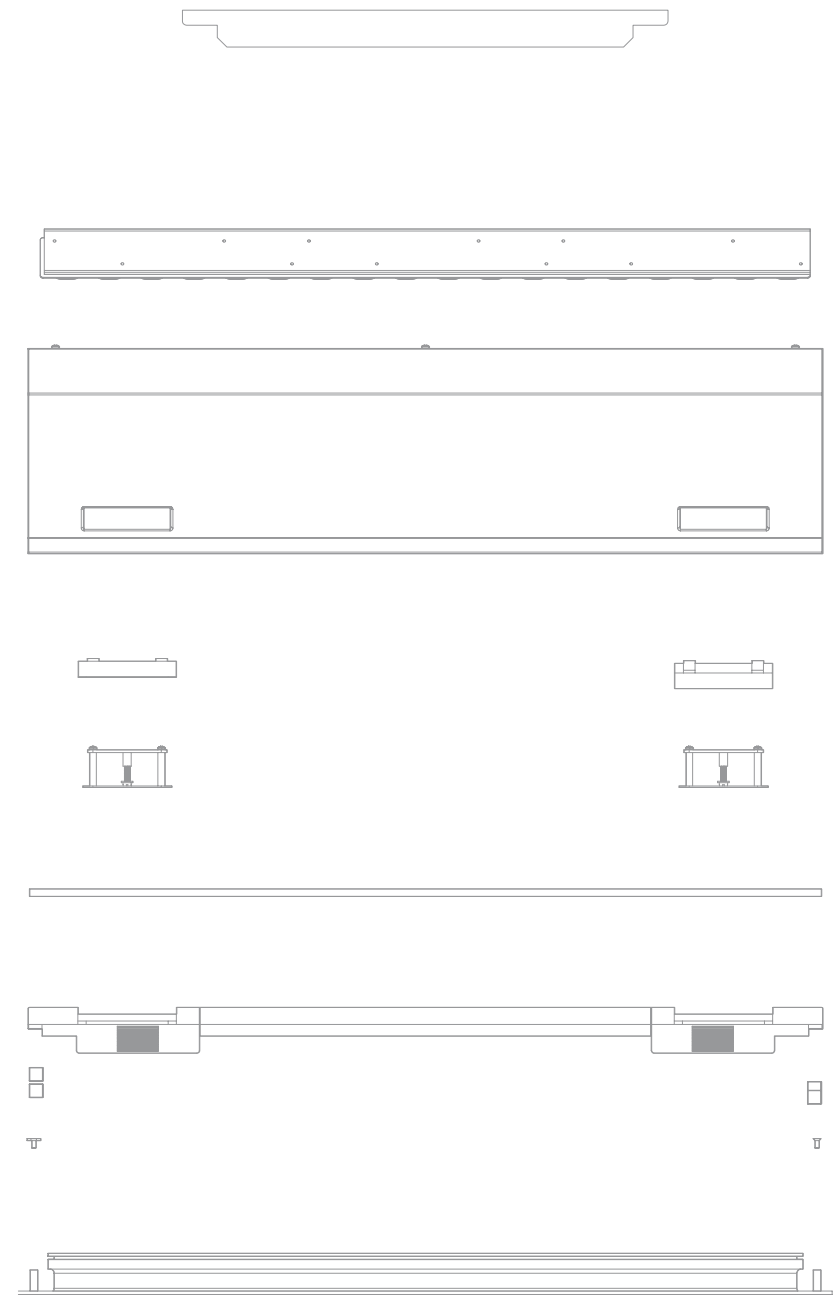
DAYLIGHTING

Daylighting has proven to be beneficial for the health and wellbeing of building occupants. Europe's increased focus on healthy design practices mean that daylighting has become a more standard practice, leading the EU to develop EN 17037. With the increased awareness of healthy design in the USA, similar requirements may be adopted here in the future.

2'x2' Artificial Skylights shown

PRODUCT

ARTIFICIAL SKYLIGHT



8"

SKYLIGHT

PRODUCT PARAMETERS

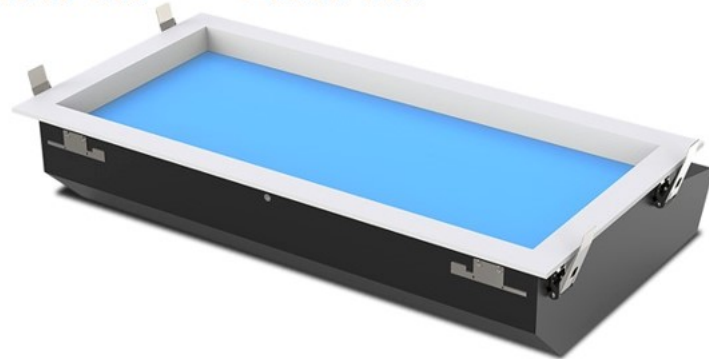


ARTIFICIAL SKY

Bring The Outdoors In

Artificial Skylight Sizes Available:

- 1ft x 2ft
- 2ft x 2ft
- 1ft x 4ft
- 2ft x 4ft
- 1ft x 6ft
- 2ft x 6ft



Simulates sunlight for improved mental health & wellness by increasing serotonin levels.

PRODUCT PARAMETERS

SMART

WIFI+Mesh dual-mode Version. *STANDARD VERSION, ALL SIZES*
Adjustable Brightness and Color Temperature

DALI

Dali Smart Version. *ONLY 1'X2' & 2'X2' SIZES*
Adjustable Brightness and Color Temperature

CLASSIC

Classic version. *ONLY 1'X2' & 2'X2' SIZES*
Non-dimmable color tone, wide voltage for Europe and U.S.A.

INPUT VOLTAGE: 100-277VAC

MOUNTING: Recessed Mounted or Grid Ceiling

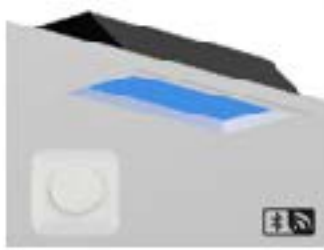





CERTIFICATION: CE, RoHS, ENEC, TUV, CB, UL, PSE

CEILING CLEARANCE: 8 inches required

SIZE	CRI	POWER INPUT	TOTAL LIGHT OUTPUT	CCT RANGE
1ft x 2ft	90	60W	1700lm	1800 K - 10000 K
1ft x 4ft	90	120W	3600lm	1800 K - 10000 K
2ft x 2ft	90	80W	2200lm	1800 K - 10000 K
2ft x 4ft	90	160W	4600lm	1800 K - 10000 K
1ft x 6ft	90	180W	5000lm	1800 K - 10000 K
2ft x 6ft	90	220W	6200lm	1800 K - 10000 K

For ordering information please visit www.ArtificialSky.com

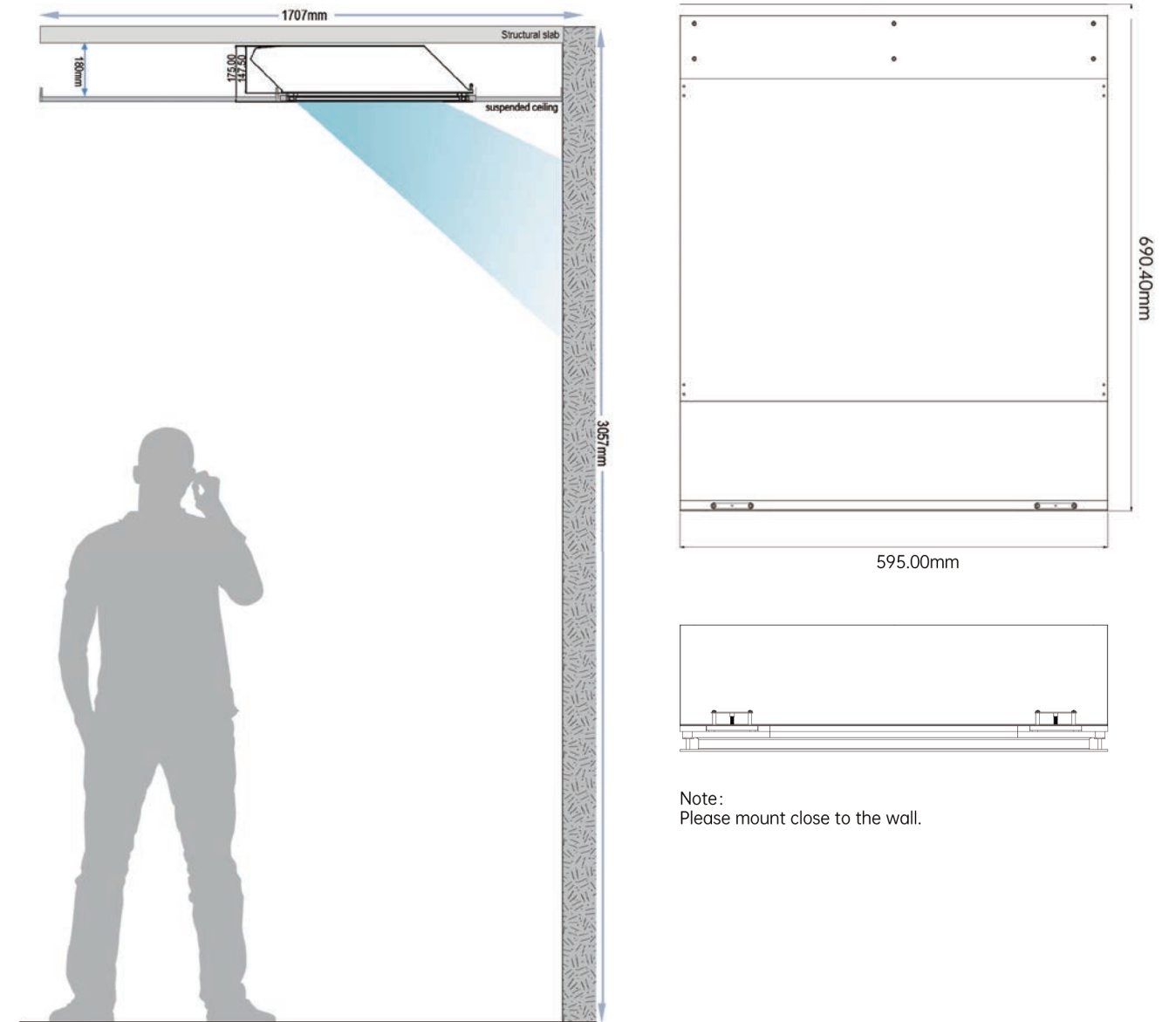
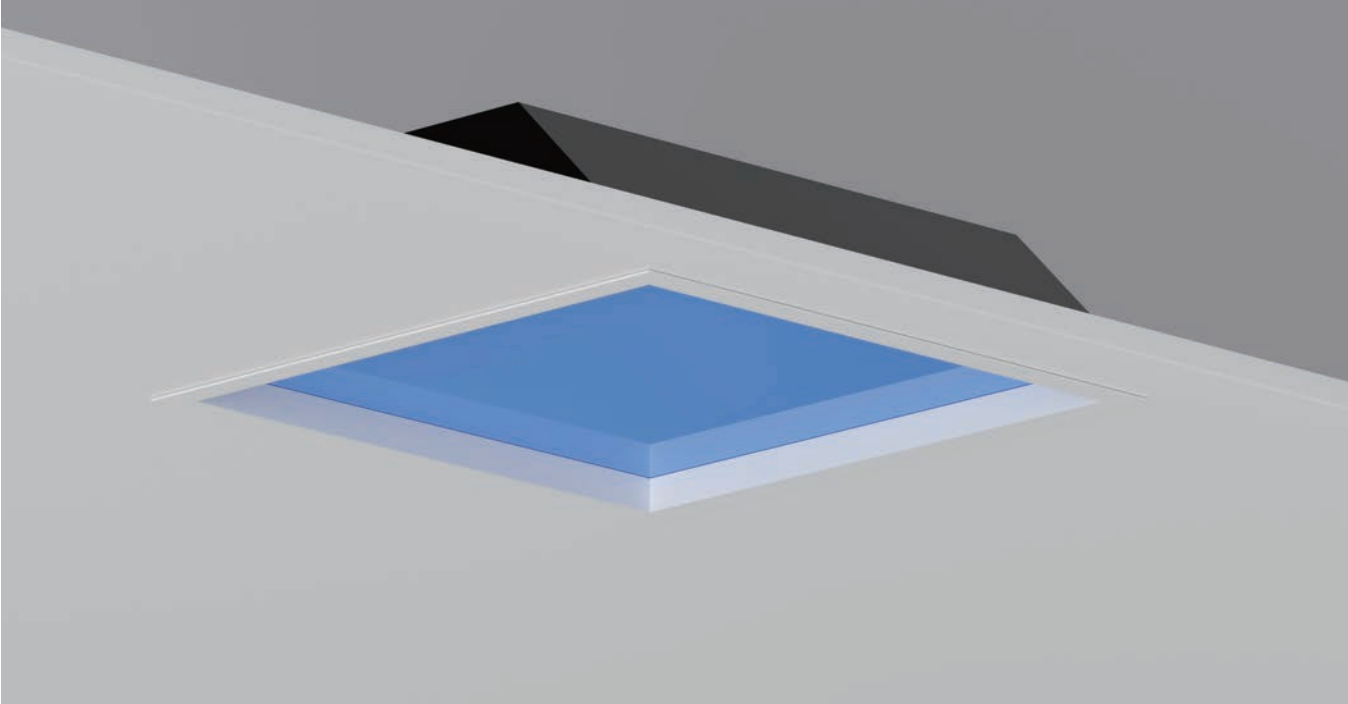
TECHNICAL INFORMATION:

SKYLIGHT SIZE	1'X2'	2'X2'	1'X4'	2'X4'	1'X6'	2'X6'
MODEL NO.	AS001-06WA	AS001-08WB	AS001-12WD	AS001-16WC	AS001-18WE	AS001-24WF
MEASUREMENTS	595x400x176mm	595x690x176mm	1194x400x176mm	1180x690x176mm	1780x400x176mm	1780x690x176mm
WEIGHT	7lbs.	14lbs.	21lbs.	28lbs.	35lbs.	42lbs.
SPACE NEEDED FOR INSTALLATION	800x600x185mm	800x800x185mm	1500x600x185mm	1500x800x185mm	2300x600x185mm	2300x800x185mm
DETAILS	100-277VAC 50/60 Hz 60 Watts (Noon)	100-277VAC 50/60 Hz 80 Watts (Noon)	100-277VAC 50/60 Hz 120 Watts (Noon)	100-277VAC 50/60 Hz 160 Watts (Noon)	100-277VAC 50/60 Hz 180 Watts (Noon)	100-277VAC 50/60 Hz 220 Watts (Noon)
EXAMPLE PHOTO						

SPECIFICATION BOOK

Example 2'x2' Specs

TECHNICAL INFORMATION:	
MODEL NO.	ASOO1-08WB
SKYLIGHT SIZE:	595 X 690 X 176mm
WEIGHT:	14 lbs.
NECESSARY SPACE FOR INSTALL:	800 X 800 X 185mm
VERSIONS AVAILABLE:	SMART (Standard) / DALI / CLASSIC Adjustable Brightness & Color Adjustable Brightness & Color Non-Dimmable
POWER INPUT	80 Watts Max at Noon setting
POWER CONSUMPTION	2 channels at 36V DC 2000mA
LIGHT OUTPUT	2200 lumens
CCT RANGE	1800K - 10000K
ORDER CODE	AS001-08WB
FRAME	Can be drywall ceiling mounted, recessed mounted, or hanging wire



For Specifications On All 6 Artificial Skylights Please Visit www.ArtificialSky.com
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