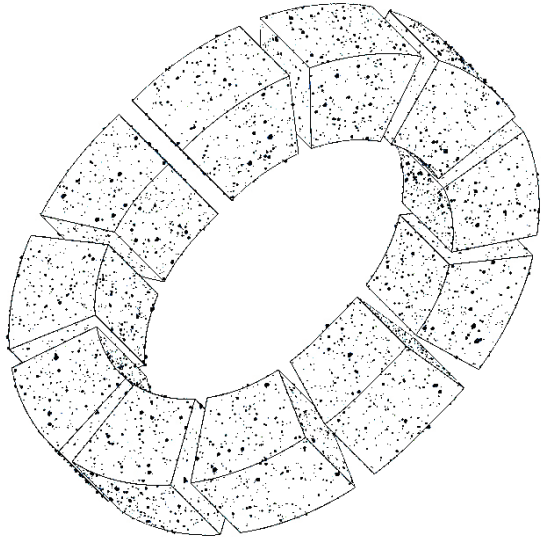**inSona**

inSona Smart Healthy Lighting

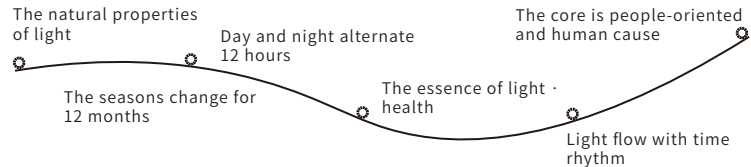Circadian | human Centric | wellness

inSona

Circadian | Human Centric | Wellness

We are committed to creating a harmonious light environment
to meet your needs for convenient living,
emotional guidance and wellness.

in Sight of nature

The natural properties
of light

Day and night alternate
12 hours

The seasons change for
12 months

The essence of light ·
health

The core is people-oriented
and human cause

Light flow with time
rhythm

Insona is a company engaged in embedded industrial computers and their

A national high-tech enterprise engaged in automation control design, research and development, production, and sales.

Its business includes: industrial iot big data saas platform, enterprise cloud, industrial solutions

Smart homes, smart lighting, smart communities, energy management, and many other fields of the internet of things

The company has been engaged in the development of underlying bluetooth protocols for over ten years,

breakthrough in the application of bluetooth autonomous network technology in the field of smart homes,

the industry is currently at a leading technological level.

The company covers communication protocol layer, module development layer, product application layer, and system platform

The construction layer has completely formed an independent technological pathway and formed a high level of industry technology barriers.
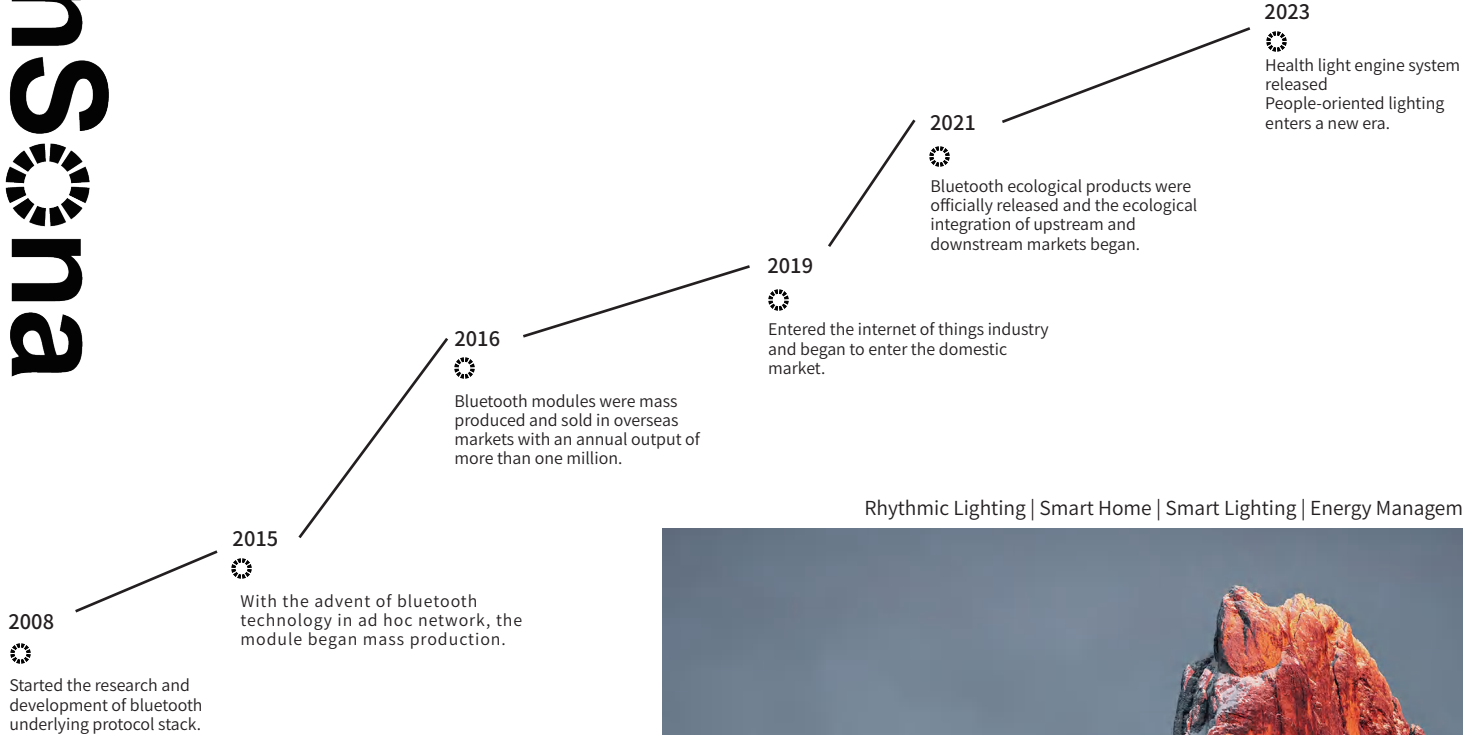
The company has integrated research and design personnel of the most advanced intelligent control systems today,

we have advanced practical experience in the application and development of high-end intelligent control products.

Since its establishment, the company has always adhered to the lighting design concept of rhythm, human factors, and health, hoping to

I hope to bring natural light to thousands of households.

inSona

2008
Started the research and development of bluetooth underlying protocol stack.

2015
With the advent of bluetooth technology in ad hoc network, the module began mass production.

2016
Bluetooth modules were mass produced and sold in overseas markets with an annual output of more than one million.

2019
Entered the internet of things industry and began to enter the domestic market.

2021
Bluetooth ecological products were officially released and the ecological integration of upstream and downstream markets began.

2023
Health light engine system released People-oriented lighting enters a new era.

Rhythmic Lighting | Smart Home | Smart Lighting | Energy Management

Test Result

Circadian lighting can reduce melatonin levels by 18% and increase concentrations by 3% compared to
traditional lighting under the same light conditions, and can increase melatonin levels by 5% at night,
causincoeople to fall into deep sleep for 52 minutes in ADVANChe above is excerpted from Korea National University.

The above is excerpted from korea national university

| 08 : 00 | 10 : 00 | 12 : 00 | 14 : 00 | 16 : 00 | 18 : 00 | 20 : 00 | 22 : 00 | 24 : 00 | 02 : 00 | 04 : 00 | 06 : 00 |
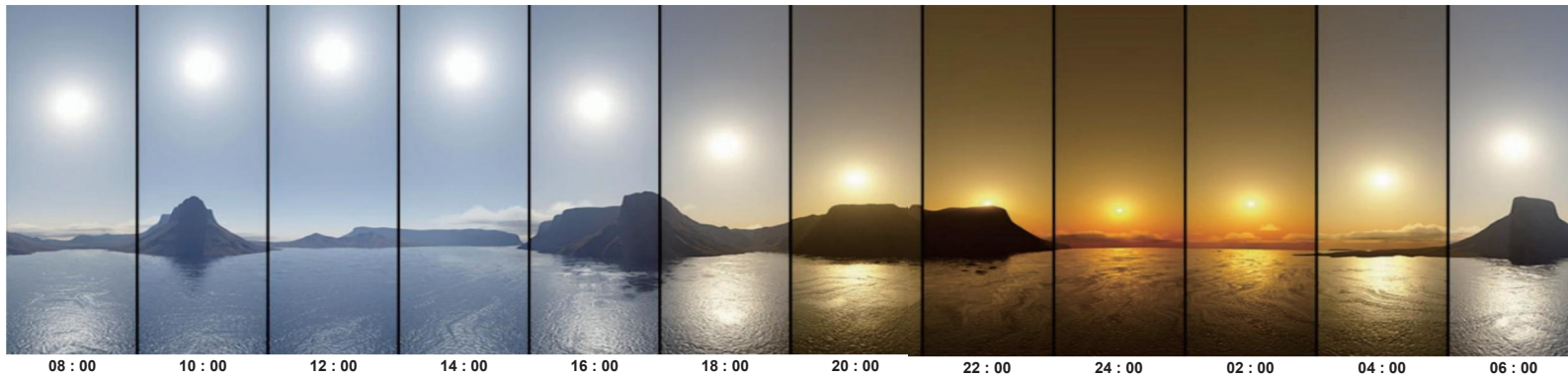
Circadian

In 2002, the third type of photoreceptor cellon the retina, retinal ganglion photoreceptor cels, was discovered, and the photobiological efect wascompletely explained and developed. With the study of the non-visual biological effects of ight it has been discovered that the effects of light onhuman beings are not just as simple as making people see the world cleary. At the same time, it also affects the circadian rhythm of humans. lightingMELATONINis closely related to health.

LED is easy to digitally contro,and it can be finely adjusted according to the body's needs tor healthy lighting to control the maln tactors ot non-visuabiological fects of light, such as spectrum and chromaticity, Based on this feature of LED, we design the inteligent heath lighting system around LED lighting technology.
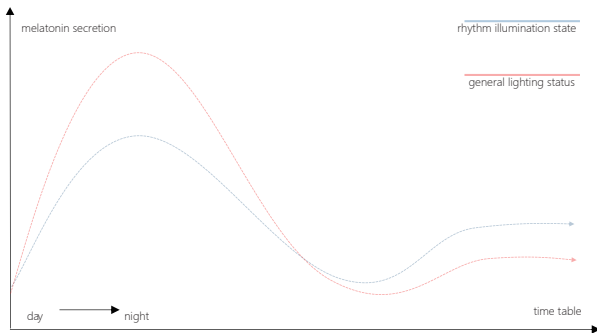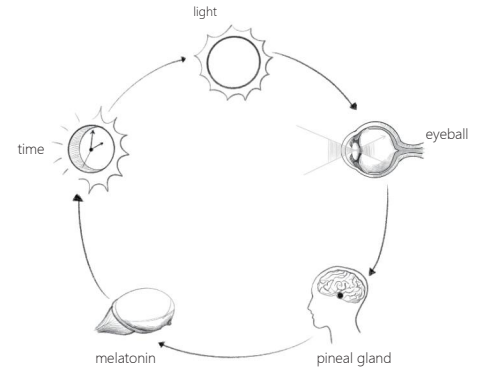
medical clinical trial data of rhythm lighting

test site	national university of korea
research object	30 men between the ages of 30 and 50
test cycle	3 days and 2 nights for everyone
test form	saliva, heart rate, eeg, questionnaire, d2 test

Light Care

Light,
in the application of intelligence,
has been given a more important significance.
It is not only a function,
but also a brush for art in the space.
It can achieve visual quidance,
emotional expression,
and atmosphere shaping.

Light is meticulous.
The wake-up light in the morning guides your mentalstate,
and the night-time sleep aid glimmer accompanies you to fall asleep.
The use of light that we emphasize is no longer a simple function,
but the careness for people on the basis of being close to nature.

inSona

Human Centric

Human centric

We feel the light differently because of the differences in experience, personality, culture and many other factors.

We reject modelization,only design for your private environment and interests.
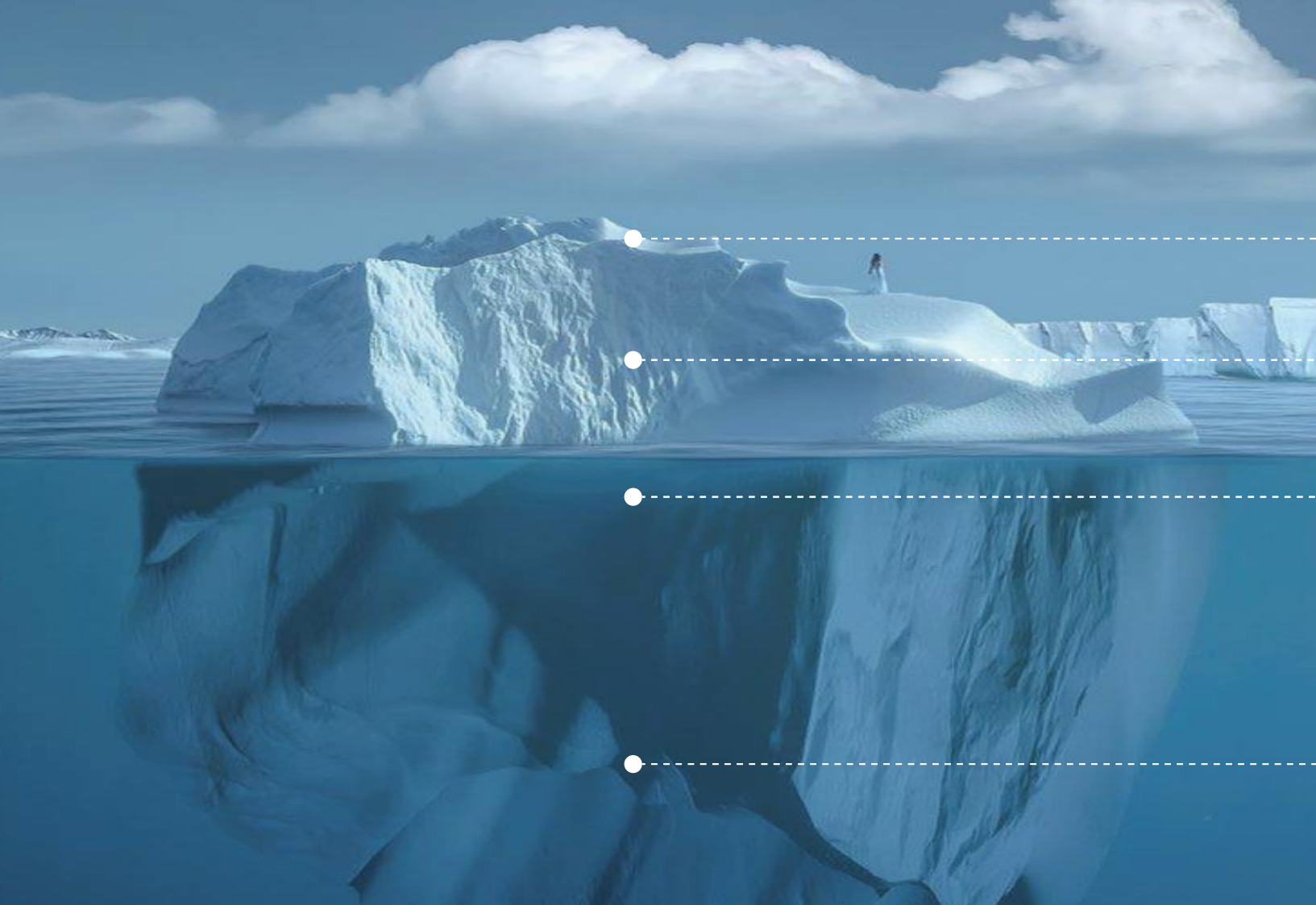
inSona

Ecological strategy

Reliable infrastructure

Open and compatible ecology

Multiple application modes

Private bluetooth protocol
ten years of bluetooth underlying protocol
technology precipitation

inSona

- -

- -

Form a more stable underlying architecture
large capacity expansion nodes, no gateway,
support 250 nodes to operate at the same time,
and the capacity expansion nodes can exceed 1000

- -

Advantages of autonomous bluetooth underlying protocol
no gateway or host is needed, the network can be controlled when powered on
the network is more convenient and the operation is more reliable
decentralization, edge computing technology
information storage localization, more secure nature

Private bluetooth protocol
ten years of bluetooth underlying protocol
**technology precipitation**

Private bluetooth protocol
a decade of bluetooth underlying protocol technology precipitation
faster communication rate, greater transmission load
stronger anti-interference ability and more stable networking mode
form a more stable underlying architecture
large capacity expansion nodes, no gateway,support 250 nodes to operate at the same time
and the capacity expansion nodes can exceed 1000

- -
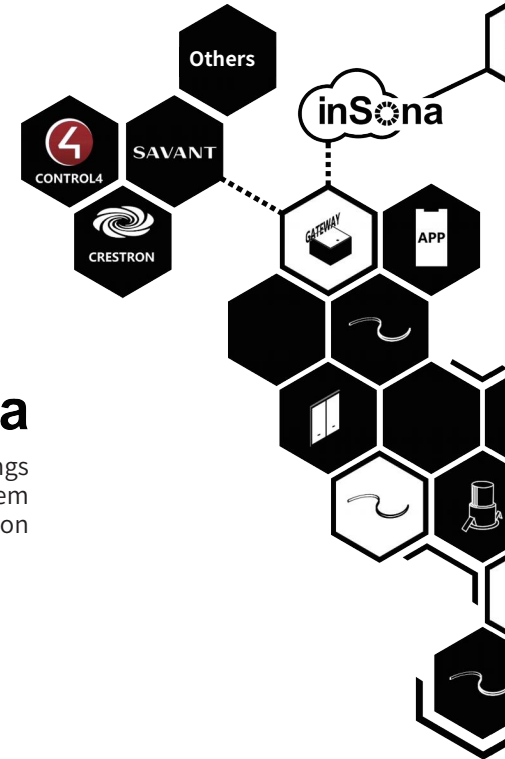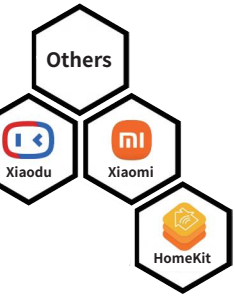
inSona

All things
connect with any third-party intelligent hub system
unobstructed connection

inSona

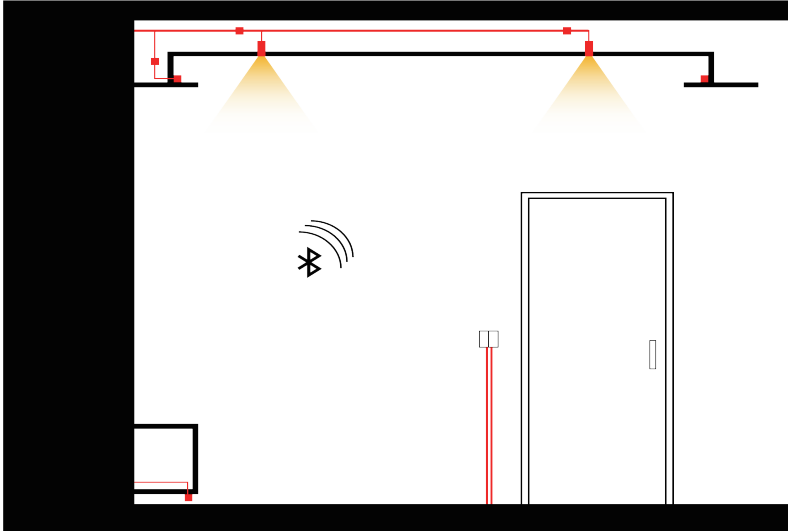Docking any third-party ecosystem
strong connection super stability

inSona

Bluetooth cellular ad hoc network
no gateway - self-contained network

No Gateway - Super Large Node - More Stable And Faster

Advantages of autonomous bluetooth underlying protocol

no gateway or host is needed. the network can be controlled when powered on. the network

is more convenient and the operation is more reliable

decentralization, edge computing technology,

information storage localization, more secure nature

light's concern for people

FASTER

Private bluetooth protocol, a decade of bluetooth underlying protocol technology precipitation
faster communication rate, greater transmission load, stronger anti-interference ability and more stable networking mode
form a more stable underlying architecture
large capacity expansion nodes, no gateway, support 250 nodes to operate at the same time, and the capacity expansion nodes can exceed 1000

No Gateway
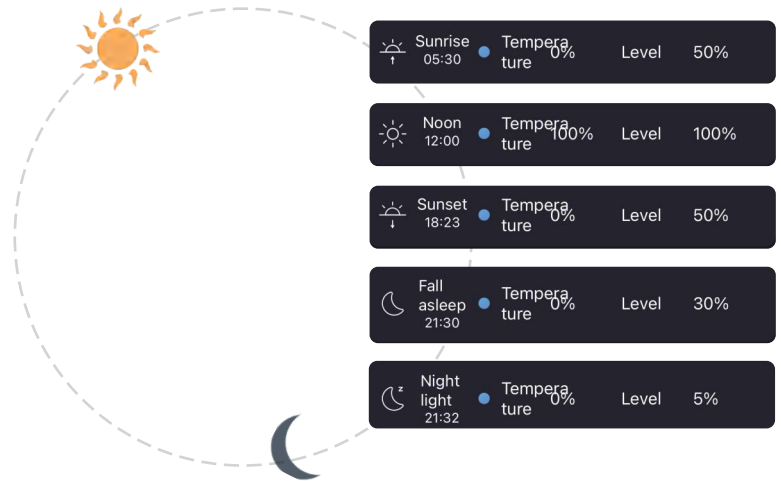Super Large Node
More Stable
And Faster

Circadian Rhythms Algorithm Logic + App Interface

The self-developed algorithm conforms to the circadian rhythm
accurate to sunrise and sunset in all corners of the world
adaptive adjustment of indoor light
consistent with human rhythm

inSona

☀ Sunrise 05:30	● Temperature 0%	Level	50%
☀ Noon 12:00	● Temperature 100%	Level	100%
☀ Sunset 18:23	● Temperature 0%	Level	50%
☾ Fall asleep 21:30	● Temperature 0%	Level	30%
☾ Night light 21:32	● Temperature 0%	Level	5%

Homekit
Voice Ecological Platform

Fully compatible with the homekit ecosystem
Open up intelligent ecological supporting products

Voice Ecological Platform

Self developed rhythm algorithm
accurate to sunrise and sunset in all corners of the world
adaptive adjustment of indoor light
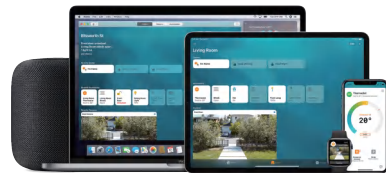consistent with human rhythm

inSona

family

空调　空气净化器　�级器　摄像头　门铃　风扇　接收器　路由器　防盗系统　感应器　扬声器　花洒

水龙头　车库门　加温器　照明　门锁　插座　开关　恒温器　窗户

Whole House Customization

In depth cooperation and comprehensive support for wood lighting
full profile matching to meet various installation conditions
and support intelligent lighting

inSona

Layered Hub Controller

Single layer single control, dimming and color adjustment
laminated light strip supports full profile matching
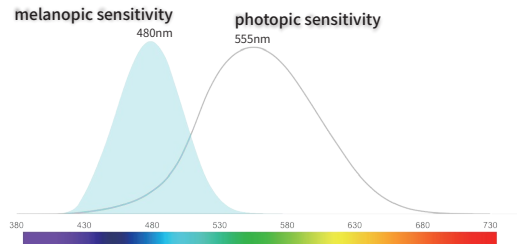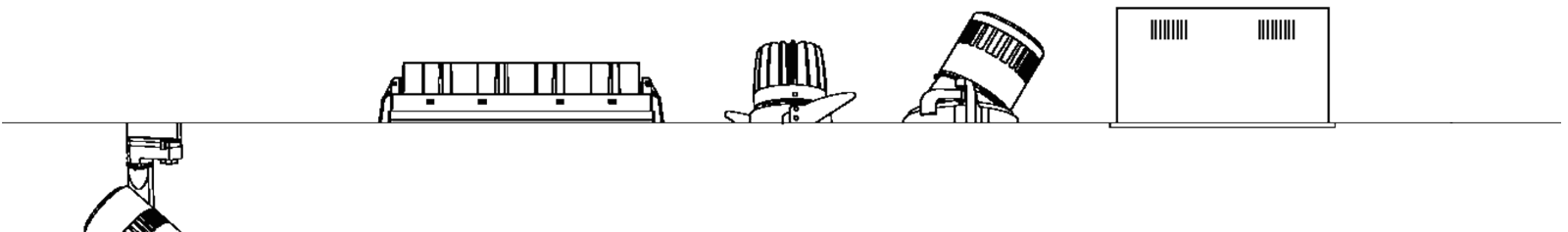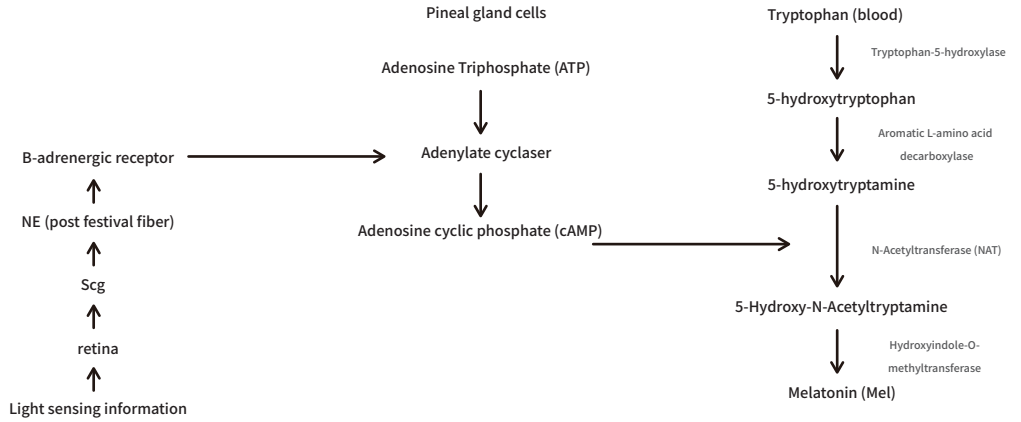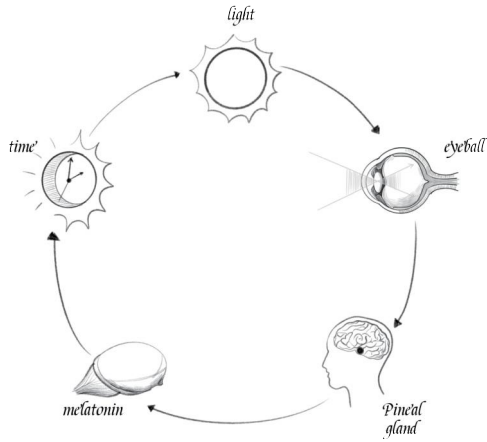creating a unique whole-house customized home
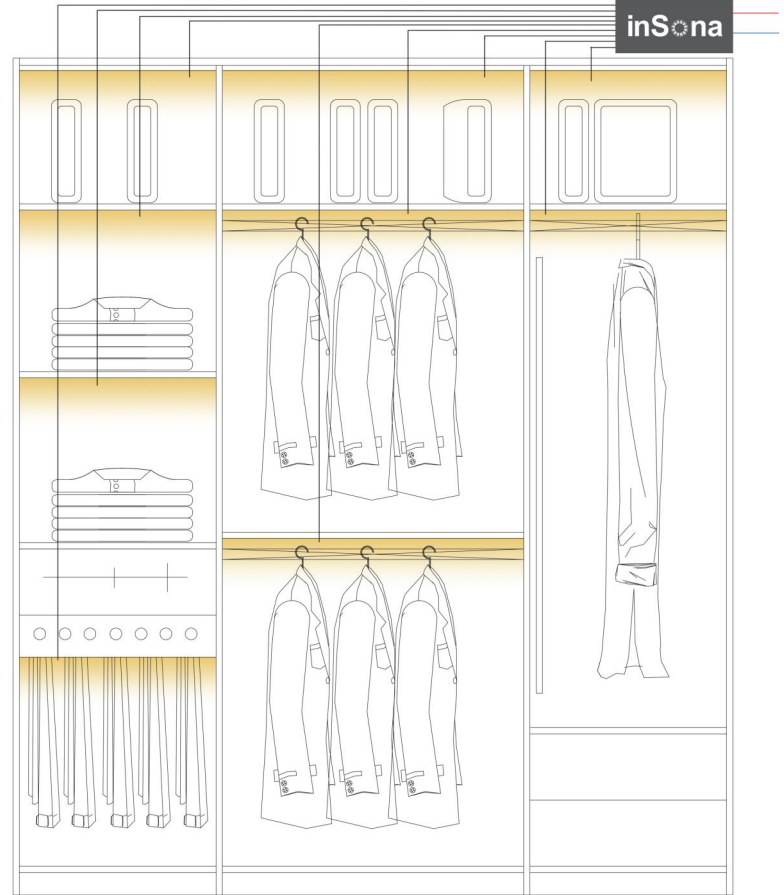
Human Centric Rhythm Light Strip

Effectively controlling spectral energy in the 480nm band
Can adjust the physiological rhythm of the human body

melanopic sensitivity
480nm

photopic sensitivity
555nm

| 380 | 430 | 480 | 530 | 580 | 630 | 680 | 730 |

light

time'

eyeball

melatonin

Pineal gland

Light sensing information

↑

retina

↑

Scg

↑

NE (post festival fiber)

↑

B-adrenergic receptor → Adenylate cyclaser

Pineal gland cells

Adenosine Triphosphate (ATP)

↓

Adenylate cyclaser

↓

Adenosine cyclic phosphate (cAMP) →

Tryptophan (blood)

↓ Tryptophan-5-hydroxylase

5-hydroxytryptophan

↓ Aromatic L-amino acid decarboxylase

5-hydroxytryptamine

↓ N-Acetyltransferase (NAT)

5-Hydroxy-N-Acetyltryptamine

↓ Hydroxyindole-O-methyltransferase

Melatonin (Mel)

Melatonin

The chemical name of melatonin (mel) is 5-methoxy-n-acetyltryptamine.
Its biosynthesis is mainly carried out in pineal gland cells. With tryptophan as raw material, it is transformed by 5-hydroxytryptamine under the action of enzyme.
The biosynthesis of mel depends on both light and sympathetic nerve. When the light signal reaches the superior cervical ganglion (scg), the sympathetic postganglionic fibers inhibit the release of norepinephrine (ne); in the dark, sympathetic neurons release more adrenaline, activate adenylate cyclase, promote the synthesis of cyclic adenosine monophosphate, activate nat enzyme and promote the synthesis of mel.
The pineal gland secretes mel in the following ways: one is secreted into cerebrospinal fluid; the other is secreted directly into the blood circulation.
Mel secretion is related to age. With age, mel gradually decreases and decreases by 10% ~ 15% every 10 years.
The study found that mel's 24-hour rhythm remained in the dark season; similarly, in the summer with continuous light, the human body also maintains a certain circadian rhythm, indicating that the circadian rhythm cycle mechanism secreted by mel is endogenous and formed in the long process of human evolution.

2017 nobel prize in physiology or medicine -- three genes that determine the biological clock
Mel has shown a variety of biological functions and broad application prospects.

Delaying senile dementia

Inhibiting tumors

Inhibiting epilepsy

Relieve circadian rhythm disorders

Relieve depression

Premature puberty and anti fertility

Protecting brain neurons and inhibiting cell apoptosis
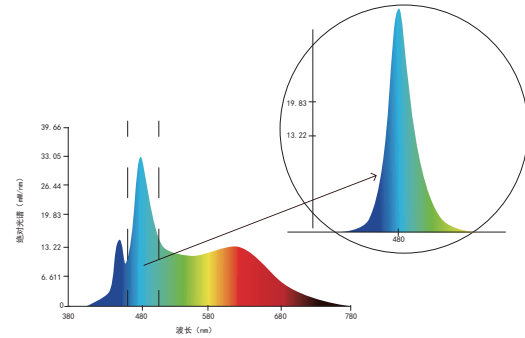
Preventing osteoporosis

Healthy Light Engine System

inSona

Rhythmic Factor Cob-healing Light

Rhythm factor cob
By adjusting the wavelength of the 480nm band in the spectrum
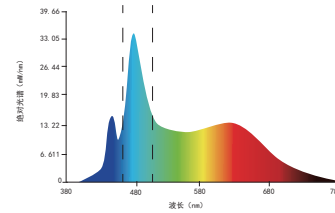Thereby affecting the secretion of melatonin in the human body

Day+night Cob-healthy Light

Daytime: 6500k
High 480nm wavelength, in hibiting melatonin secretion
Increase blue-green spd → high m/p ratio
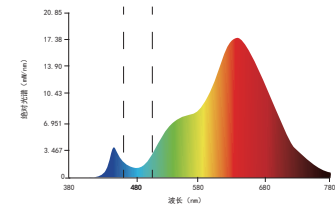Make people more energetic

Night: 2700k
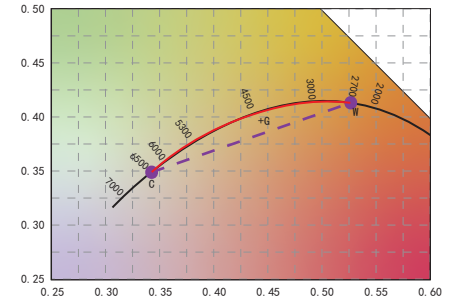Low 480nm wavelength promotes melatonin secretion
Reduce blue-green spd → low m/p ratio
Make people more relaxed and comfortable

Multipoint Continuous Full Spectrum Cob-natural Light
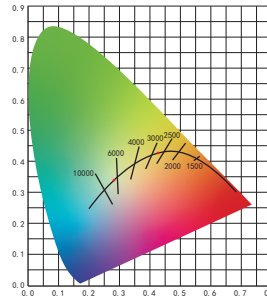
InSona Multi-line Full Spect-rum CoB

The three line cob adopts a full spectrum light source for cold and warm color emperatures.
Green light is added to the middle color temperature adjustment, which can overlap the original
Dimming curve from the straight line to the blackbody line
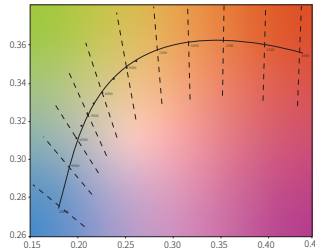
R1	97.9
R2	99.5
R3	97.8
R4	96.8
R5	98.2
R6	97.7
R7	99.1
R8	99.5
R9	97.9
R10	99.1
R11	93.2
R12	91.9
R13	98.1
R14	98.2
R15	99.1

Tunable Spectrum

Innovative spectral tunable algorithm
Maximum simulation of the full spectrum
Restore real natural light and enjoy natural light at home
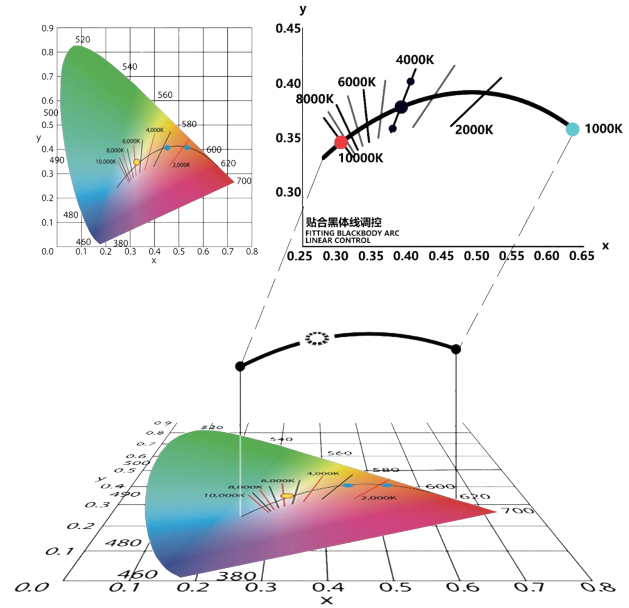
Traditional lamps, spotlights, magnetic lamps, linear lamps
And other manufacturers
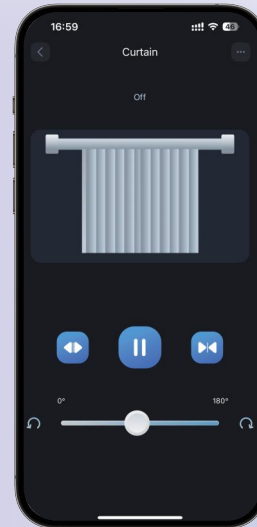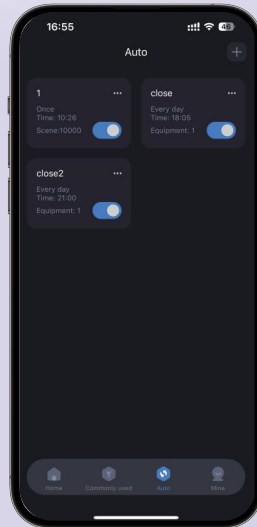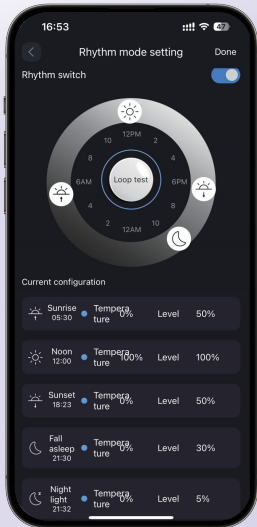
inSona

One in ten thousandth depth dimming, one in ten thousand, it's up to you to set the frame,
professional empowering of traditional lighting equipment

Wide voltage input, free regulation of current mode
fully compatible with all power spotlight types

Single and double color temperature adjustment
adapts to single color temperature and
two color temperature type spotlight

Single lamp and single control, get rid of the line limit, customize the
color temperature and adjust the brightness
scene customization at will

Support custom setting of opening duration, conventional lamps
easy to realize slow on and slow off in conventional lamps
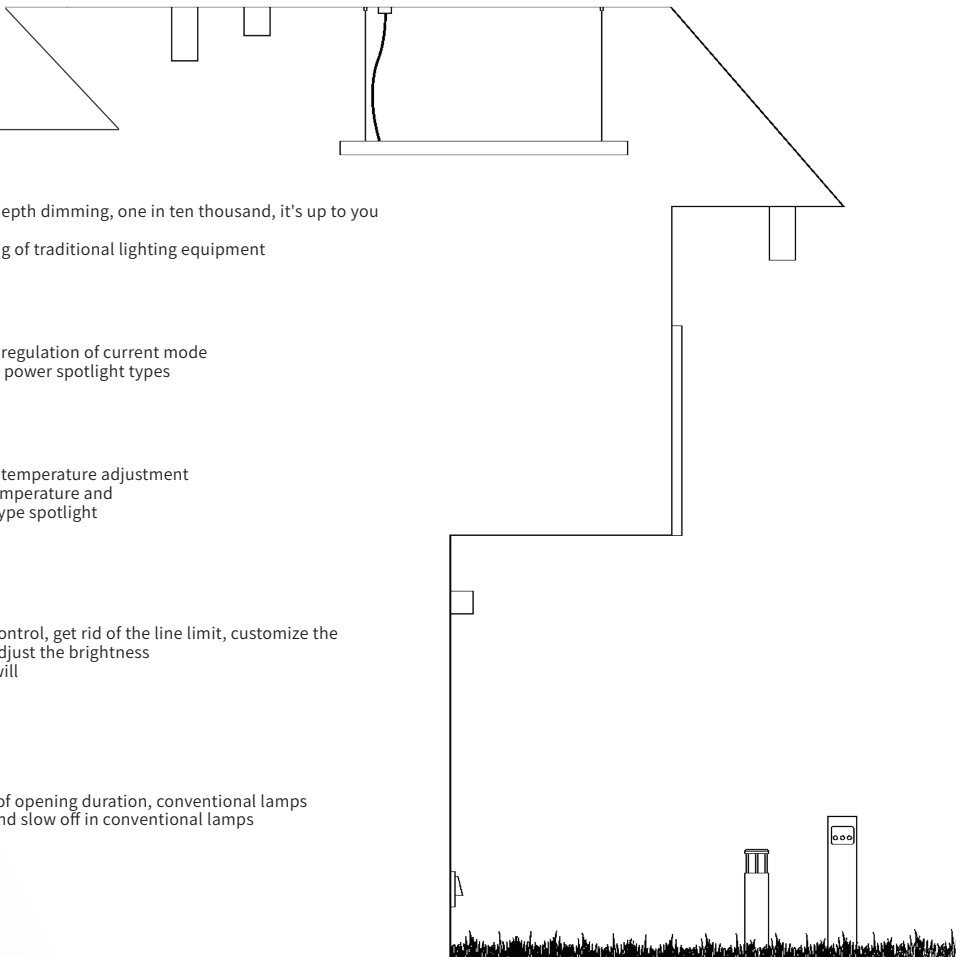
Ultra Deep Dimming

Ereeze at any time
one in a mullion - energy control- scheduiied management

One In A Million

One in a million, freeze at any time.
super linear, super accurate and
super convenient

Energy Control

The details are well understood
recording and calculation of power consumption
and work time of single lamp

00:01

Scheduled Manage-

Time control.anytime anywhere
turn on, change and turn off the intelligent system
regulariy to fit the life

inSona

Intelligent Integrated System Docking

Self developed rhythm algorithm
accurate to sunrise and sunset in all corners of the world
adaptive adjustment of indoor light
work and rest in line with human rhythm

Control system - the third-party central control, c4, crestron and savant
can be connected to the professional smart home central control system for interconnection and linkage control

SAVANT

Control4

CRESTRON

DALI

inSona
Intelligent Life

Early Morning

Early morning

With the rising sun
the curtains opened slowly
smart lamps simulate soft natural light
from 2700k warm light to 3500k warm white light
the brightness gradually lights up from 0 to 60%
slowly wake people from sleep

Go Home

Come home from work

The light is automatically adjusted to 3000k before sunset
60% brightness
gentle lighting scene
fireplace warmth
in a relatively comfortable and pleasant light environment
refresh the fatigue of the day
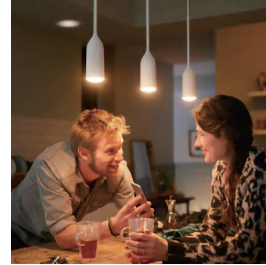
Dinner Time

Dinner time

Adjust to a mild and clear 4000k when preparing meals
80% brightness
meet the light demand during meal preparation
adjust the color temperature at dinner to 2700k
immersive high-end restaurant
have a romantic dinner

Good Night

Good night

After a busy day at work
the light has been adjusted to 2700k
amber light promotes melatonin secretion
it helps to enter deep sleep early
at night, turn on the small night light mode
weak light does not affect sleep
provide sufficient illumination for starting at night

Intelligent Life

Dinner Time

Dinner time

Adjust to a mild and clear 4000k when preparing meals
80% brightness
meet the light demand during meal preparation
adjust the color temperature at dinner to 2700k
immersive high-end restaurant
have a romantic dinner

Mode Name	Main Light	Mode Light	Median Light	Low Level Light
Home mode	80% 3000K	80% 3000K	80% 3000K	50% 3000K
Tea break mode	80% 2700K	10% 2700K	50% 2700K	30% 2700K
Viewing mode	0% 2700K	10% RGBW	10% RGBW	0% 2700K
Cleaning mode	100% 4000K	100% 4000K	100% 4000K	100% 4000K
Reception mode	100% 3000K	80% 3000K	80% 3000K	50% 2700K

Mode description

Cleaning mode: high color temperature and high illumination, you can see the dirt more clearly when cleaning
and also replace the function of full open and full close of the space.

inSona

Rise At Night

Early morning

With the rising sun
the curtains opened slowly
smart lamps simulate soft natural light
from 2700k warm light to 3500k warm white light
the brightness gradually lights up from 0-60%
wake the human body slowly from sleep

Mode Name	Main Light	Mode Light	Median Light	Low Level Light
Home mode	80% 3000K	80% 3000K	80% 3000K	50% 3000K
Tea break mode	80% 2700K	10% 2700K	50% 2700K	30% 2700K
Viewing mode	0% 2700K	10% RGBW	10% RGBW	0% 2700K
Cleaning mode	100% 4000K	100% 4000K	100% 4000K	100% 4000K
Reception mode	100% 3000K	80% 3000K	80% 3000K	50% 2700K

Mode description

Cleaning mode: high color temperature and high illumination, you can see the dirt more clearly when cleaning, and also
replace the function of full open and full close of the space.

inSona KA Chain Store

Customize brightness and color temperature
meet the lighting needs of objects of different
materials, different seasons and different colors

Customize the special theme lighting mode according to the
store style to create popular check-in points
increase the passenger flow and increase the time for
consumers to stay in the store
increase the probability of consumption

Energy consumption management,
fault equipment detection
reduce energy consumption and eliminate hidden
dangers of electricity use

EXCESSIVE

ATMOSPHERE
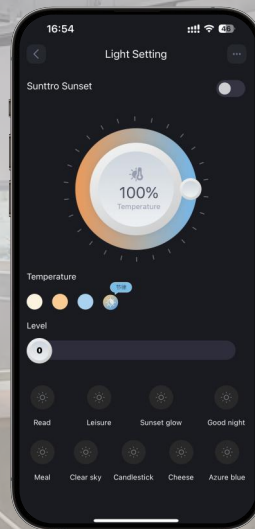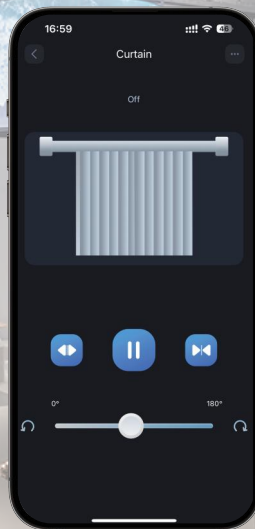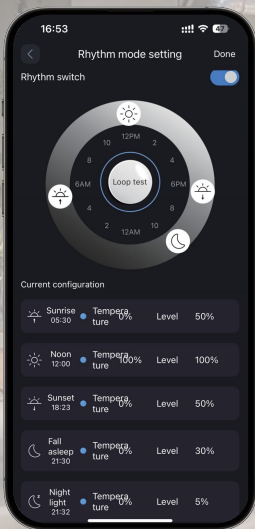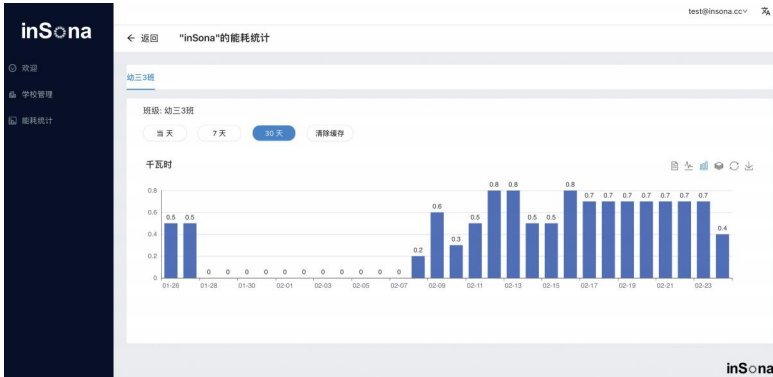
Background real-time monitoring
power management, saving light source,
green environmental protection

Abnormal reporting of faulty equipment
prevent fire caused by power accidents
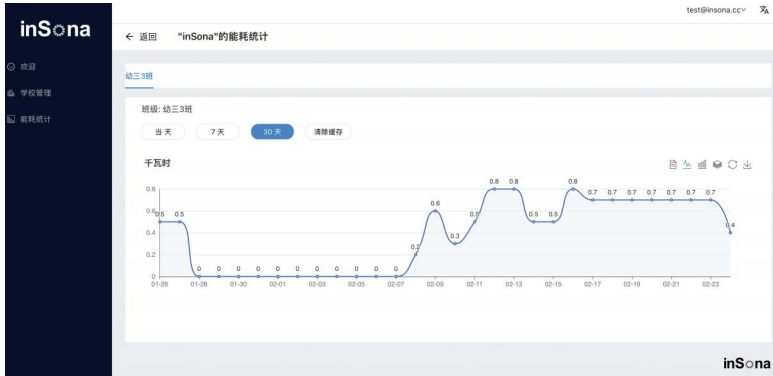
Fully localized management
no need to be affected by cloud service platform,
more worry free

Rhythm lighting, healthy light
relieve eye fatigue and reduce myopia rate
regulate body rhythm and take care of
students' health

inSona

School Education Lighting

FUNCTIONAL

inSona

Beacon positioning and recognition technology
real-timely monitors people,office supplies and
other trends to improve management efficiency.

Real time detection of background energy data
effectively reduces energy consumption and saves more
than 30% of power consumption.

Customized lighting scenes meet the needs of office, meeting,
hospitality, rest and night shifts and other lighting requirements
in different scenes and improve office efficiency.

Office Lighting

inSona

inSona

inSona

节 律　人 因　健 康
CIRCADIAN　HUMAN CENTRIC　WELLNESS

Beacon positioning and recognition technology, real-time monitoring people,office supplies and other trends to improve management efficiency

Real time detection of background energy data
effectively reduce energy consumption and save more than 30% of power consumption

Customized lighting scenes to meet the needs of office, meeting, hospitality, rest and night shifts and other lighting requirements in different scenes to improve office efficiency

inSona

DEEP DIMMING

CIRACADIAN

CUSTOM SCENE
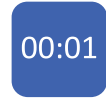
TIMING MANAGEMENT

THOUSAND COLORS

CURRENT CONTROL

ENERGY CONTROL

**LOCATION**

Background real-time monitoring
power management, saving light source,
green environmental protection

Abnormal reporting of faulty equipment
prevent fire caused by power accidents

Fully localized management
no need to be affected by cloud service platform
more worry free

inSona

Based On The Present
Looking Forward To The Future

Circadian   human centric   wellness
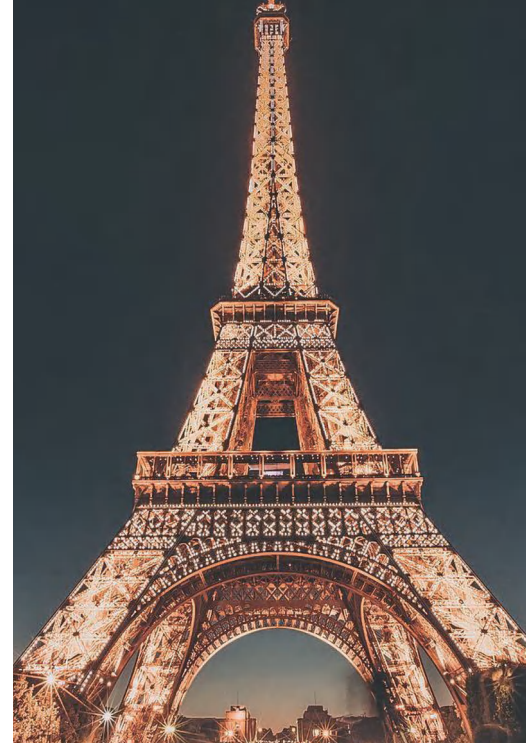
Focus On Intelligent Lighting

Facing the whole country to attract investment, regional grid.
At present, there are 180+ regional dealers, 50+ service providers, and 5+ core service providers,
products are exported to japan, north america, europe.

inSona

inSona

Driving power introduce

The built-in insona bluetooth chip does not need to be used locally by the gateway
Bluetooth mesh, insona blubee private protocol, link networking
Digital control of color temperature regulation of light and shade, cold and warm
Ultra long standby, stable and reliable
Visual no stroboscopic, slow start and gradually light up
Constant voltage output protection function (short circuit)
this product is only applicable to the output control of constant current driver

Driving Power Supply inSona Blubee· IP20

Model	Rated Input	Rated Output	Output Rating	Output Current	Standby Power Consumption	Dimming Range	Measure
IN-BLE-DR12D	220V (50-60) Hz	30-40V	12W Max	0-300mA	＜0.5W	1~100%	122*45*27mm
IN-BLE-DR15S	220V (50-60) Hz	15-42V	15W Max	0-400mA	＜0.5W	1~100%	82*30*20mm
IN-BLE-DR40D	220V (50-60) Hz	30-40V	40W Max	0-1000mA	＜0.5W	1~100%	137*45*27mm

Driving Power Supply inSona Blubee· IP20

Model	Rated Input	Rated Output	Output Rating	Output Current	Standby Power	Dimming Range	Measure
IN-A5H-GEN-H2	220V (47~63) Hz	20~40V	12W	C+W:0~300mA RGB:0~150mA	＜0.5W	1~100%	137*46*27mm

Driving Power Supply
inSona Blubee·   IP20

Model	Rated Input	Rated Output	Output Rating	Output Current	Standby Power Consumption	Dimming Range	Measure
IN-BLE-DR13S	220V (50-60) Hz	15-38V	13W Max	350mA	<0.5W	1~100%	D55*H22mm

Driving Power Supply
inSona Blubee·   IP20

Model	Rated Input	Rated Output	Output Rating	Output Current	Standby Power Consumption	Dimming Range	Measure
E075CP18A00202	220V 50Hz	90-180V	75W MAX	Output 1:200mA Output 2:200mA	<0.5W	1~100%	175*37*19mm

Driving Power Supply

Model	Input Voltage	Incoming Current	Output Voltage	Output Power	Output Current	Loadable	Measure
IN-BLE-PWM5	12/24V	8A Max	12/24V	120W Max	5A Max	Single/dual color temperature/RGB/RGBW/RGBCW light belt	114*31*23mm
IN-BLE-PWM5-300	12/24V	12.5A Max	12/24V	300W Max	12.5A Max	Single/dual color temperature/RGB/RGBW/RGBCW light belt	152*40*30mm

Driving Power Supply

Model	Rated Input	Output Voltage	Output Current	Standby Power Consumption	Measure
IN-BLE-DIM010V2	220V(50~60)Hz	0-10V	Output 1:30mA Output 2:30mA	<1W	124*31*23mm

Driving Power Supply

inSona Blubee·   **IP20**

Model	Input Voltage	Output Voltage	Output Current	Output Rating	Measure
IN-BLE-DRH075-024	220-240Vac	24Vdc	0-3.125A	≤75W	360*42*30mm
IN-BLE-DRH150-024	220-240Vac	24Vdc	0-6.26A	≤150W	360*42*30mm
IN-BLE-DRH160-024	220-240Vac	24Vdc	0-6.7A	≤160W	245*61*30mm

Driving Power Supply

inSona Blubee·   **IP20**

Model	Input Voltage	Output Voltage	Output Current	Output Channel	Output Rating	Measure
HD60-A2-12V	220-240Vac	12Vdc	3A Max	Monochrome 6-way	≤60W	235*68*17mm

inSona

JM Control Panel

The panel supports multiple key combinations, multiple colors, pc materials and metal materials, and engraving
Word, support backlight, and the brightness of backlight is adjustable. Strong current (ac) panel can be linked with light color temperature and brightness control,
curtain switch stop and scene control panel can be combined with light to make rhythm mode, and keys 1 and 2 are the default control panel
Rear two-way load.

Control Panel

inSona Blubee· IP20

Product Name	Number Of Loads	Max Load Power	Output Voltage Range	Input Frequency	Wiring Mode	Communication Distance
IN-BLE-B3-S4/S6	2circuits/4circuits	One-way led 200w,Resistance 800w	220-240V	50/60Hz	220-240Vac	8-16m

Control Panel

inSona Blubee· IP20

Product Name	Load Type	Max Load Power	Output VoltageRange	Input Frequency	Wiring Mode	Communication Distance
IN-BLE-K7Pro-P8W	5circuits (cold and Warm valves)	Load single circuit 1A	220-240Vac	50/60Hz	220-240Vac	8-16m
IN-BLE-K7Pro-P8L4	4circuits (Led load)	One-way led 200w,Resistance800w	220-240Vac	50/60Hz	220-240Vac	8-16m

Control Panel   inSona Blubee·   IP20

Product Name	Load Type	Max Load Power	Output Voltage Range	Input Frequency	Wiring Mode	CommunicationDistance
IN-BLE-JM-P4W	6circuits (cold and Warm valves)	Load single circuit 1a	220-240V	50/60HZ	220-240Vac	8-16m
IN-BLE-K7Pro-P8L4	4circuits (Led load)	One-wayled200w,resistance800w	220-240V	50/60HZ	220-240Vac	8-16m

Control Panel   inSona Blubee·   IP20

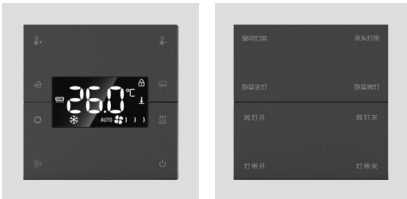| Product Name	Load Type	Max Load Power	Output Voltage Range	Input Frequency	Wiring Mode	Communication Distance
IN-BLE-XR-P4W	5circuits (Cold And Warm Valves)	Load Single Circuit 1A	220-240V	50/60HZ	220-240Vac	8-16m
IN-BLE-K7Pro-P8L4	4circuits (Led Load)	One-wayled200w,Resistance800w	220-240V	50/60HZ	220-240Vac	8-16m

Control Panel

inSona Blubee· IP20

Product Name	Number Of Loads	Max Load Power	Output Voltage Range	Input Frequency	Wiring Mode	Communication Distance
IN-BLE-SPS2/S3	2circuits/3circuits	One-wayled200w,Resistance800w	220-240V	50/60HZ	220-240Vac	8-16m
IN-BLE-K7ProP8L4	2circuits/3circuits	One-wayled200w,Resistance800w	220-240V	50/60HZ	220-240Vac	8-16m

Control Panel

inSona Blubee· IP20

Product Name	Panel Color	Wiring Mod	Power Type	Battery Life	Working Humidity	Communication Distance
IN-BLE-A1-R2/R3	White	No Wiring Required	CR2032*2	3~5years	86*86mm	8-16m
IN-BLE-B3-R4	Black	No Wiring Required	CR2032*2	3~5years	86*88mm	8-16m

inSona

Wireless Remote Control

This product adopts battery power supply, supports brightness and color temperature adjustment, and supports the setting of scene mode. Let you control the lighting atmosphere wherever you are.

Wireless Remote Control   inSona Blubee·   IP20

Model	Power Type	Control Mode	Storage Temperature Range	Working Humidity
IN-BLE-YK01	CR2032	Wireless Remote Control	Color Temperature / Shade /multi-scene Buttone	120*60mm

Wireless Remote Control   inSona Blubee·   IP20

Model	Power Type	Control Mode	Storage Temperature Range	Working Humidity	Working Humidity
IN-BLE-YK02	Li-battery+type-c	Wireless Remote Control	Color Temperature / Shade /multi-scene Buttone	120*60mm	1year
IN-BLE-YKO2-S	Li-battery+type-c	Wireless Remote Control	Color Temperature / Shade /multi-scene Buttone	66*66*22mm	1year

Driving Power Supply

Model	Rated Input	Output Voltage Range	Communication Distance	Measure
IN-BLE-W0	220-240v Max	One-way led 200w,Resistance 800w	8-16m	58*48*33mm

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Curtain Motor

Through bluetooth network, it can start, close, stop, percentile stroke control and other functions of the motor, and support handheld remote control
Many functions such as remote controller, face paste remote controller, bluetooth remote controller and app control can be completed with the supporting products of insona
Beauty realizes the perfect combination with lights, scene panels and sensors.

Curtain Motor

Model	Control Mode	Rated Voltage	Rated Torque	Output Current	Operating Temperature Range	Rated Power	Maximum Load	Run The Sound	Thermal Protection Time	Type Of Power Cord	Motor Size
IN-BLE-DT82	Wireless 433MHZ RemoteControl/Bluetooth	110~275V	1.2N.m	14cm/s	-10°C~+70°C	13W	50Kg	33dB	<4Minutes	5-core	334*60*50mm
IN-BLE-MQA	Wireless 433MHZ RemoteControl/Bluetooth	110~240V	1.2N.m	12cm/s	-15°C~+55°C	22W	50Kg	247dB	<12Minutes	3-core	310*40*40mm
IN-BLE-WSCMXH	Wireless 433MHZRemote Control/Bluetooth	100-240V	1.2N.m	9/12/14cm/s	-10°C~+70°C	18W	50Kg	33dB	<4Minutes	3-core	278*55*44mm

Roller Shutter Motor

Model	Control Mode	Rated Voltage	Rated Torque	Output Current	Operating Temperature Range	Rated Power	Maximum Load	Run The Sound	Thermal Protection Time	Swarm Pulses	Motor Size
IN-BLE-DM35	Wireless 433MHZ Remote Control/Bluetooth	230V 50Hz	8N.m	17rpm	-10°C~+70°C	98W	19Kg	35dB	<4Minutes	/	L=605mm Φ=35
IN-BLE-ER40Q	Wireless 433MHZ Remote Control/Bluetooth	230V 50Hz	8N.m	19rpm	-20°C~+55°C	121W	32Kg	45dB	<4Minutes	3KV, 5KHz/100KHz	L=555mm Φ=39

inSona
Sensor Introduce

His device is designed to solve the problem that the infrared sensor in the traditional smart home has small displacement in a short time or

The detection of small action range is designed without preparation or false alarm, and the breathing detection module is built in the equipment

Block is combined with bluetooth 2.4g module to detect the presence signal of human body and apply it to smart light

In the system, the user can control the sensor through app and measure the sensing distance of the sensor

Departure time, delay time and ambient illumination are set and linked.

Existential Detector

inSona Blubee·   **IP20**

Model	Rated Voltage	Standby Power Consumption	Standby Power Consumption	Cut-Out Size	Wireless Connection	Product Size
IN-BLE-DCS-SEN	DC24v	＜1W	≤1.5W	40mm	Adjustable	Φ50x37mm
IN-BLE-SENAC201	220-240VAC	＜1W	≤1.5W	55mm	Adjustable	Φ65X57mm

Thermal Movement Sensor

inSona Blubee·   **IP20**

Model	Power Supply	Standby Power Consumption	Wireless Connection	Product Size
IN-BLE-SENDC123A	CR123A	≤15UA	Adjustable	Φ48.4X58.4mm
IN-BLE-SENDC3001	2aa Batteries	＜1W	Adjustable	Φ105X35mm

inS☼na
Open Protocol Framework

The bluetooth curtain opening and closing control motor has a delicate and compact appearance and can be installed in a very narrow space. Built in insona bluetooth chip, no gateway, local operation. It is applicable to various occasions of opening and closing curtain motors. It has many functions, such as electronic travel limit, built-in receiving function + stop in case of resistance, light touch start function, manual pull in case of power failure, safe voltage, mute and so on. Through the bluetooth network, it can start, close, stop, percentile stroke control and other functions of the motor. It supports many functions such as handheld remote control, face paste remote control, bluetooth remote control and app control. With the supporting products of insona, it can be perfectly matched with lights, scene panels and sensors.

Data Gateway

inSona Blubee·   IP20

Model	Network Type	Working Voltage	Wireless Connection	Communication Distance
IN-BLE-HUB-01A	WIFI	5V(2A)	BLE2.4GHz	8~16m

Data Gateway

inSona Blubee·   IP20

Model	Network Type	Working Voltage	Wireless Connection	Communication Distance
IN-BLE-GATEWAY	ETHERNET、WIFI	5V(2A)	BLE2.4~2.483GHz	8~16m

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抖音

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