Scena

Control the lighting and set the feel

simon
MODELLING SPACES WITH LIGHT AND COLOUR

LIGHTING CONTROL ANY USER CAN AFFORD

UNLIMITED LIGHTING EFFECTS

Colour, colour temperature, Static or moving scenes, Circadian cycles to simulate sunlight.

USE ONLY THE LIGHT YOU NEED

Dimming depending on natural light, Courtesy lighting based on presence, Time scheduling.

Technology enters the Scena
4 KEY POINTS
ABOUT SCENA TECHNOLOGY

\TOTAL LIGHTING CONTROL

- Dimming
- Blinds
- Colour
- Biodynamic
- Groups
- Scenario
- Sequences
- SColour
- Constant lighting control
- Circadian cycle
- Schedule
- Occupation
- Simulation of presence
- Consumption management

\QUICK, USER-FRIENDLY AND CUSTOMIZABLE

- On-screen programming.
- Optional control via smartphone and tablet. Direct access to the most frequently used functions.
- Optional keypad

\PLUG&PLAY CONFIGURATION, UPDATABLE

- USB input allows schedule loading, plus version updating with innovative new functions.
- Programming without a PC

\UNIVERSAL, ALL TYPES OF LUMINAIRE AND LIGHTING PROTOCOLS
**CIRCADIAN CYCLE**
Lighting dynamics to simulate sunlight depending on geographic location.

**CONSTANT LIGHTING CONTROL**
The required lighting level at all times, regardless of whether it is sunny or cloudy, summer or winter.

**SCHEDULE**
Programmed activations and deactivations avoid carelessly leaving the lights on, with the corresponding energy savings.

**TREATMENT OF COLOUR**
From a predefined palette of colours, enabling you to change the luminosity, saturation and hue to another precise combination, based on RGB.

**SEQUENCES**
Predefined or customized changing scenes to bring dynamism and flexibility to a space.

**COLOUR**
Variations in light according to external factors, e.g. depending on water temperature in a spa, to warmer or cooler colours.
BIODYNAMIC CONTROL

The feeling a space gives is closely linked to its lighting tonality.

Biodynamic control enables you to modify tone to achieve the desired affect at all times.

PERCEPTION OF THE ENVIRONMENT

- WARM
- COLD

Colour temperature (K)

- ACTIVE ENVIRONMENT
- RELAXING ENVIRONMENT

With Scena you can control the colour temperature and the brightness of a biodynamic luminaire.

CIRCADIAN CYCLE

Circadian rhythms are due to the action of the biological clock which regulates the body’s physiological functions, including sleep and wakefulness, with a regular 24-hour cycle.

Light influences the way this clock works, both the amount of light and the colour temperature, sending signals through the retina to different parts of the brain and modifying physiological activity. Circadian cycles are important in determining the cycle of sleep and wakefulness, hormonal activity, cell regeneration and brain function, among other body functions.

Scena automatically calculates the time of sunrise and sunset and adjusts the colour temperature according to the time of day, depending on the geographic location selected.
A user-friendly application with rapid access to frequently used functions, enabling real-time display on the screen of the lighting effect implemented in the space.

The design of the application allows the lighting to be adjusted quickly and accurately by converting the whole touch screen of the mobile device into a virtual tool.

**CIRCADIAN CYCLE FUNCTION**
Displays sunrise and sunset time on the screen and adjusts the colour temperature according to the time of day.

**COLOUR FUNCTION**
Customizes the colour, saturation and intensity to achieve the desired effect from anywhere.

**DIMMING FUNCTION**
Dimming of scenes to achieve the desired lighting level.

Download it at:

![Google Play](QR-Code-Google-Play.png)

![App Store](QR-Code-AppStore.png)
With Scena you can change the colour and form of the lighting, to ensure your restaurant and menu are in harmony, enhancing the textures and colours of your star dishes.

**Time scheduling:**
lighting scenes depending on the time of day, breakfast, lunch or dinner.

**Restaurant area:**
lighting according to room use; cold lighting to convey agility and movement (breakfast), warm lighting to convey comfort and relaxation (dinner).

**Transit areas:**
lighting is activated on detecting presence and reduced to a lower level to give courtesy lighting and in turn promote energy savings.

**Signage:**
signing in corporate colour and scheduling based on commercial interests.

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**BARS & RESTAURANTS**

GORRIZ CASTLE HOTEL GOLF & SPA – NAVARRE, SPAIN
Spring, summer, autumn and winter. Create atmospheres which give style to the atmosphere and character to your products. The bond between the product and the customer is the lighting.

General lighting:
lighting scenes that change the perception of a space; cool lighting to convey freshness in summer and warm in winter to convey comfort.

Product display:
dynamic lighting to attract the consumer’s attention to the product.

Celebrations:
colour sequences activated automatically at celebrations.

Energy savings:
lighting scenes depending on opening and closing times, or on use, cleaning or replacement of products.

Brand image:
giving your space your corporate brand colour, with colour motion sequences if desired.

LIGHTING, THE PERFECT SALES AGENT
Your star rooms may stand out even more thanks to Scena lighting control. Conveys personality to rooms by adjusting lighting and colour.

Rooms: lighting scenes that make a room versatile. Control via keypad and depending on use – welcoming, relaxing, TV, blinds, etc.

Convention rooms: creating flexible and dynamic rooms that vary their lighting depending on use of space, projection, meetings, etc.

Reception area lighting: adjustment depending on guest traffic or the time of year.

Transit areas: courtesy lighting in corridors which, on detecting presence, changes to general lighting for the required time.
**MAXIMUM BRIGHTNESS, MINIMUM CONSUMPTION**

Improves productivity while saving energy.

**Constant light control:**
dimming of luminaires depending on the amount of natural light from outside, to maintain a constant lighting level in the working area.

**Working hours:**
activation of lighting scenes based on office working hours, avoiding carelessness.

**Common areas:**
using only the light needed, with the light level rising on detecting presence, being timed to return to its low dimmed level.

**Meeting rooms:**
accompanying room use with lighting, giving the space flexibility according to use. Projection: dimmed lighting in areas close to the projector. Meeting: optimum light level in the whole room.

Download the Scena video: www.simon.eu/es/producto/mecanismos/sistema-de-control-de-iluminacion/scena
Apagado general: con un solo pulsador desactiva todas las luces de la casa, baja las persianas y activa la simulación de presencia.

Dining room scenarios: provides versatility and colour, depending on how the room’s being used. Different scenarios for lunch, dinner, watching TV, etc.

Bedrooms: wake up with the gentle light of dawn and start the day with the right lighting hue to help give you the energy you need.

Controlled from your smartphone: control the lighting and blinds in your home from the palm of your hand.

Colour harmony, adaptability under your own control. The pleasure of adjusting the lighting in your home to suit your mood at each moment of the day.
The versatility of Scena makes it ideal for creating compositions outdoors and indoors, with indoors being the prime setting for the creation of environments in retail, business and domestic contexts.

Celebrations and events: creating customized scenes depending on the celebration or important company events.

Corporate colour scheme: creating a business environment through the company’s corporate colour.

Lighting scenarios: in museums, theatres, etc., enhancing the space’s qualities with light wherever needed.
Light as therapy by controlling the light and warmth of colour and enhancing the patient’s comfort and relaxation.

**Versatile lighting:**
the doctor can select the most suitable scene for the lighting needs for the test to be performed.

**Colour scenes:**
lighting, an element for interaction with the patient during tests.

**Circadian cycle:**
simulation of natural sunlight, for spaces with no daylight input, reproducing the colour temperatures that appear daily.

**Courtesy lighting:**
dim lighting in corridors and waiting rooms, allowing transit without disturbing patients.
LIGHTING
FUNCTIONS

\ EMOTIONAL

ON/OFF
Individual on/off control of luminaires.

BLINDS GROUP
Grouping for overall control of blinds.

DIMMING
Individual dimming of luminaires.

BLINDS
Individual control of motors for blinds and curtains, etc.

COLOUR RGB
Individually control of luminaire RGB: colour, brightness, saturation and hue.

GROUP OF LUMINAIRES
Grouping for overall control of luminaires.

\ RATIONAL

COLOUR SCENARIO
Individual and conventional control of luminaire RGB for achieving an overall lighting atmosphere.

BIODYNAMIC CHANNEL
Control of luminaires with several colour temperatures.

CIRCADIAN CYCLE
Reproduction of the colour temperatures according to the time of day.

CONSTANT LIGHT CONTROL (CLC)
Control of natural (sunlight) + artificial (luminaire) lighting to maintain a constant light level and maximize the natural light sources.

SENSORS
Lets you link conventional devices (such as hotel cards or presence detectors) to make changes to scenes and groups, etc.

ECO
After a determined consumption, luminaires not considered a priority will be switched off.

SCHEDULE
Activation/deactivation of channels, groups and scenes based on a time schedule.

ALERTS
Reports the status of security functions: luminaire needs changing, eco function ...

\ SYSTEM

DIRECT ACCESS POINTS
Lets you customize the main screen with the most commonly used functions.

CONFIGURATION OF PERMITS
Customizes the applications which users may have access to.

ADVANCED CONFIGURATION
Lets you perform advanced adjustments on the system.

SIMULATION OF PRESENCE
Activation/deactivation of intelligent channels, groups and scenes to simulate an occupied space.

GROUP OF LUMINAIRES
Grouping for overall control of luminaires.

RGB GROUP
Control RGB of luminaires in groups.

SEQUENCES
Dynamic Control to enable changes of scene depending on the time (changing colour and lighting levels at the desired speed).

SCOLOUR
Control of up to 10 scenes based on an external analogue signal (1-10V).

COLOUR SCENARIO
Individual and conventional control of luminaire RGB for achieving an overall lighting atmosphere.

COLOUR SCENARIO
Individual and conventional control of luminaire RGB for achieving an overall lighting atmosphere.

REPRODUCTION OF THE COLOUR TEMPERATURES ACCORDING TO THE TIME OF DAY.

CONTROL OF NATURAL (SUNLIGHT) + ARTIFICIAL (LUMINAIRE) LIGHTING TO MAINTAIN A CONSTANT LIGHT LEVEL AND MAXIMIZE THE NATURAL LIGHT SOURCES.

REPORTS THE STATUS OF SECURITY FUNCTIONS: LUMINAIRE NEEDS CHANGING, ECO FUNCTION ...

GROUPING FOR OVERALL CONTROL OF LUMINAIRES.

CONTROL RGB OF LUMINAIRES IN GROUPS.

DYNAMIC CONTROL TO ENABLE CHANGES OF SCENE DEPENDING ON THE TIME (CHANGING COLOUR AND LIGHTING LEVELS AT THE DESIRED SPEED).

CONTROL OF UP TO 10 SCENES BASED ON AN EXTERNAL ANALOGUE SIGNAL (1-10V).
LIGHTING CONTROL SYSTEM

89000110-0**
Touch Light Manager Advance Console
Outside dimensions: 152 x 195 mm

89000100-0**
Touch Light Manager Console
Outside dimensions: 152 x 195 mm

89000105-0**
Touch Light Keypad
Outside dimensions: 85 x 100 mm (optional)

75350-69
Control
(optional)

Optional Pushbutton

POWER COMPONENTS

89000200-039
Electronic transformer dimming module
(50W to 400W)

89000201-039
Electronic circuit breaker/switch module
(up to 2300W)

89000202-039
1-10 V Dimming Module

89000203-039
Blind control module

DMX LUMINAires

89000301-039
Digital signal converter
Digital signals from 0 to 230V

89000302-039
Analogue signal converter
Digital signals from 1 to 10V

89000300-039
DMX/DALI converter
6 channels
16 ballasts/channel

89000303-039
3-channel DMX/PWM converter power 1060W

89000304-039
Single-channel DMX/PWM converter

CONVERTERS FOR SENSORS

CONVERTERS

89000200-039
Electronic transformer dimming module
(50W to 400W)

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Electronic circuit breaker/switch module
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89000304-039
Single-channel DMX/PWM converter
REFERENCES

TOUCH LIGHT MANAGER
Allows you to program and control all the system elements.

89000110-0**
Touch Light Manager
Advance
Version compatible with the downloadable application at Play Store and App Store, incorporating biodynamic channel and circadian cycle functions.

89000100-0**
Touch light
Manager
Version incorporating functions with lighting effects and energy savings.

89000150-0**
8-Digit touch
light Keypad
4 channels + 4 scenarios

89000151-0**
8-Digit touch
light Keypad

89000152-0**
Touch light Keypad


\FLUSH-MOUNTED BOX

89000990-039
Recess dimensions: 172 x 124 x 42 mm

TOUCH LIGHT KEYPAD
Optional device for control from another point.
Activates 8 actions plus switch off, programmable from Touch Light Manager. Integrated IR receiver compatible with controller ref. 75350-69.

89000150-0**
Touch Light Keypad

89000151-0**
8-Digit Touch Light Keypad

89000152-0**
Touch Light Keypad

75350-69
Control
(optional)

\FINISHES

038


POWER MODULES
Designed for controlling all types of luminaires.

89000200-039
Electronic transformer dimming module
_122\_ compatible luminaires with phase cutting control (incandescent, halogens at 230V and with electronic transformers) from 50W to 400VA.

89000201-039
Electronic circuit breaker/switch module
On and off operation (ON/OFF).
Compatible with:
- Incandescent and halogens, max. 2300W
- Halogen with electronic transformers, max. 550 VA
- Halogen with electromagnetic transformers, max. 650VA
- Fluorescent (compensated and non-compensated), max. 520VA
- Fluorescent (compensated), max. 1040VA (electronic)
- Low consumption and LED lamps, max. 200W
- Motors, max. 3A

89000202-039
1-10 V Dimming Module
Dims luminaires with 1-10V analogue input (up to 520VA)

89000203-039
Blind control module
Controls operation of blinds (from 40W to 700W).

89000204-039
Electronic circuit breaker/switch module
On and off operation (ON/OFF).
Compatible with:
- Halogen with electronic transformers, max. 550VA
- Halogen with electromagnetic transformers, max. 650VA
- Fluorescent (compensated and non-compensated), max. 520VA
- Fluorescent (all types), max. 1040VA (electronic)
- Low consumption and LED lamps, max. 200W
- Motors, max. 3A

SIGNAL CONVERTERS
Modules for transforming a digital or analogue signal to DMX for subsequent programming using Touch Light Manager.

89000301-039
Digital signal converter
Let's you link pushbuttons, detectors, etc.

89000302-039
Analogue signal converter
Let's you link detectors luminosity, temperature, etc. to Scena functions, with a 1-10 V signal.

PROTOCOL CONVERTERS
Modules capable of controlling luminaires with DALLI and PWM protocols.

89000300-039
DMX/DALLI converter

89000303-039
DMX/PWM RGB converter
Let's you control RGB luminaires, e.g. LedFlex RGB.

89000304-039
Single-channel DMX/PWM converter
Let's you control monochrome luminaires, such as LedFlex High Flux.

12 V 2 A POWER SUPPLY
For DIN rail

8999901-039

12 V 2 A POWER SUPPLY
For DIN rail

8999901-039

REFERENCES

FINISHES

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030