



What if artificial lighting went by unnoticed?

Smart and Single Control of Lighting

SmartLBox



smart LBOX
ultimate light control solution

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SmartLBox

A Brief Introduction

The Smart and Single Management of Lighting, SmartLBox, allows the control of the public or private lighting system point by point or by group, interior or exterior.

The base idea consists in making each location the available lighting to the real lighting needs, activated by program/motion and natural lighting sensors, this way cutting energetic consumptions and costs and increase the quality of lighting and user security.

From this initial idea, and knowing the great potential of the local SmartLBox module to acquire the different intervening greatnesses, the system will allow the central system to understand the actual and historical state of each location as well as act on the lighting. This way, it creates a new concept in management and maintenance of the installed lighting and logistics.

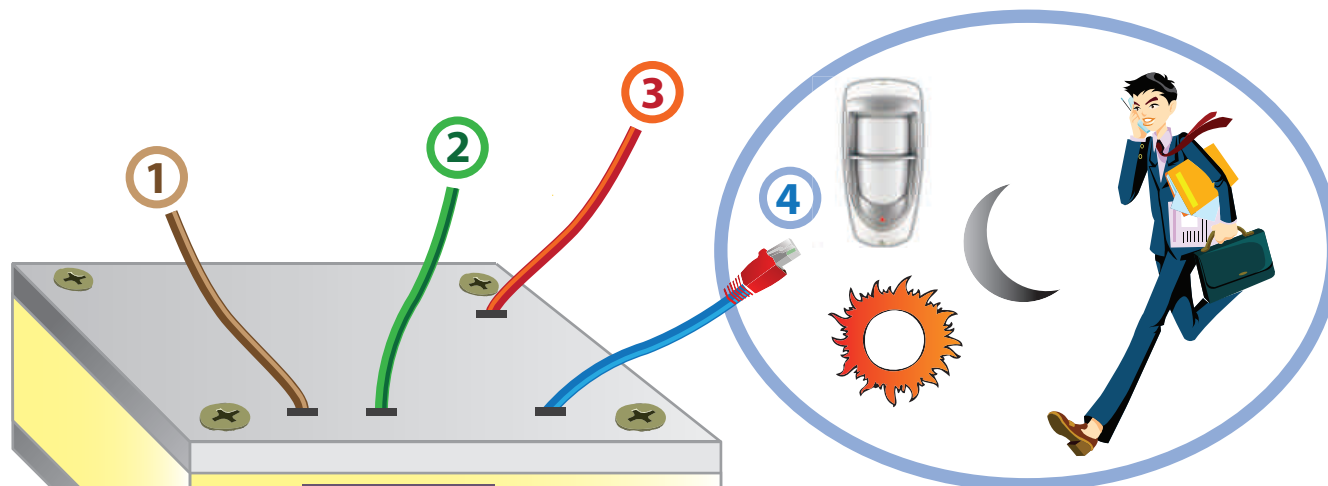
Main Objectives

Huge Electric Consumption Reduction

The SmartLBox system emerged with the purpose of offering a lighting control platform, on all lighting types and forms, in a more efficient way of reducing the energetic consumption and consequently the CO2 emissions.

The SmartLBox project was born from the steady certainty that we can do much more and way better to protect our planet. The way of energy saving and natural resources. With the will to allow every in different activity sectors a better and bigger rationalization of energy, an optimized functionality of equipments and allow an higher energetic performance.

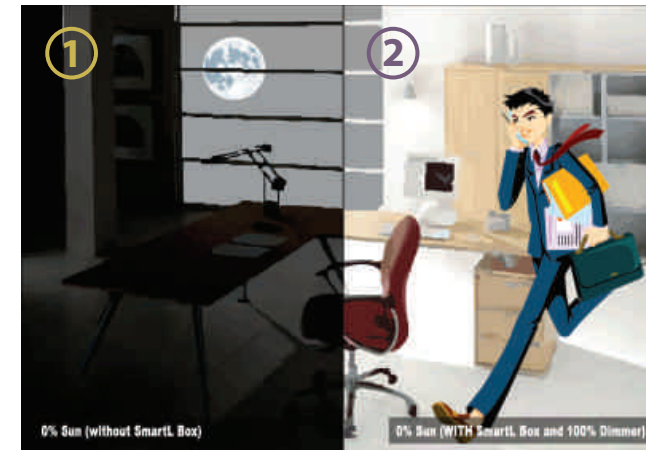
The SmartLBox finally arrived to deliver a logical methodology for lighting spaces, avoiding what today is absolutely unnecessary lighting where there is no activity, the SmartLBox can apply percentages to lighting and movement resulting on a drastic electric consumption reduction.



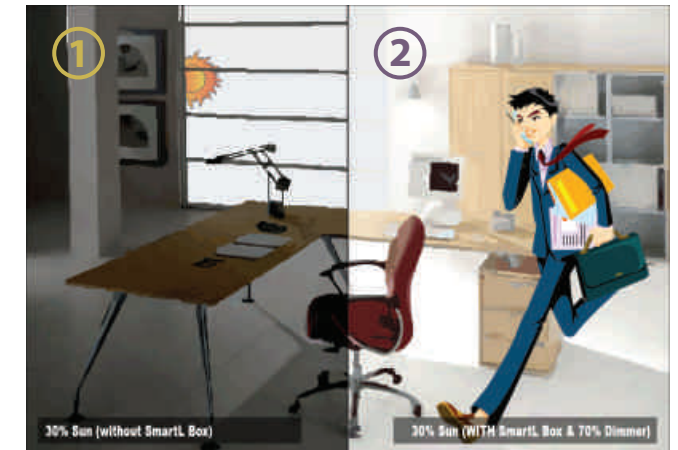
BOX SIZE: 70 x 64 x 36mm

- ① VAC 110 ~230 (50/60Hz)
- ② ON/OFF – Lamp / Balast / Power Supply / Converter
- ③ Dimmer Control – PWM or 0 to 10V
- ④ Sensors: Movement & Lighting
- ④ Programming SmartLBox Unit

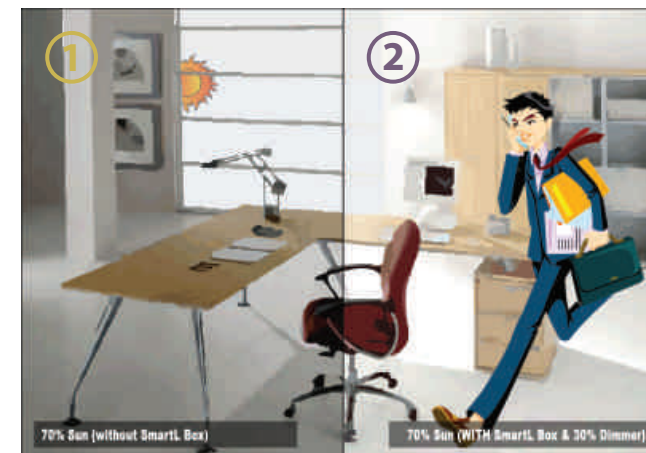
How it works (on all working spaces; offices, storage facilities, etc..)



- 1 - Activity absence, lighting should be off
- 2 - When movement is detected during the night, 100% lighting



- 1 - Sun is at 30% and lighting is at 100%, needlessly
- 2 - With 30% sun it is possible to level the lamps to obtain 100% lighting



- 1 - Sun is at 70% and lighting is at 100%, needlessly
- 2 - With 70% sun it is possible to level the lamps to obtain 100% lighting



- 1 - Even with natural light at 100% it is usual for the artificial light to be at 100%
- 2 - With 100% sun, artificial lighting won't turn on

Funcionalities

- ON/OFF control and lightness percentage
- Lighting regulation according to the area use
- Progressive lighting connection accordingly to the natural lighting
- Possibility of installation on existing infra-structures with small changes
- Ballast/LED Power Supply Dimmer, 0-10volts, PWM, DALI*
- Control by movement detection
- Programming / Editing Configuration

Optional

- DALI Communications
- Interface Programmer

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www.smartli.net