

# APPLICATIONS CATALOG

# 42 SMART EXAMPLES



2020

NEXTA  
TECH





**WIRELESS** TECHNOLOGY  
LIGHTING **AUTOMATION**  
MADE IN ITALY

**SMART AND WIRELESS SOLUTIONS**  
FOR THE ELECTRICAL INSTALLATION

**42 APPLICATION EXAMPLES**  
FOR LIGHTING CONTROL,  
ENERGY SAVING AND  
BUILDING AUTOMATION

RESIDENTIAL, OFFICE, INDUSTRY,  
HOSPITALITY AND  
VISUAL COMMUNICATION

# Examples of applications

## Residential

### Comfort

Control with radiotransmitter



#### Targets:

- . Control of lights and electric shutters with portable remote control
- . Dimming spot LEDs with 1-10V dimmable driver
- . Switch On-Off 230Vac lights

#### Products:

- . Remote control **HB80-30D** (p.38)
- . 1-10V dimmer interface **TOP-0110** (p.20)
- . Control unit for tubular motors **MCU-M500** (p.19)
- . On-OFF control unit **MCU-L2** (p.16)



### Multi-point command

Transforming wall switches into a radio control

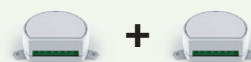


#### Targets:

- . Control the light intensity from different points using the existing wall switches
- . Avoid new cabling
- . Transform existing wall switches into wireless commands

#### Products:

- . Radiotransmitter module **MCU-TX4** (p.46)
- . Phase dimmer **MCU-DM150** (p.18)



### RGB Atmosphere

Smart control and voice command



#### Targets:

- . Manage rgb lights in a singular and synchronized way
- . Control by wired push buttons and by smartphone
- . Voice control by Google Home or Amazon Alexa

#### Products:

- . Control units for 12-24Vdc LEDs **Plano-One** (p.30)
- . Smartphone App **OneSmart** (p.10)



# Examples of applications

## Light dimming

### LED lamps and resistive loads

Phase dimmer

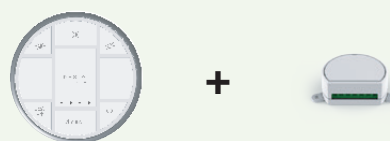


#### Targets:

- . Dimming LED lamps and resistive loads
- . Manual control by wired wall push buttons
- . Wireless control by remote control or motion sensor

#### Products:

- . Phase dimmer **MCU-DM150** (p.18)
- . Portable remote control **HB80-1DIM** (p.39)



### Led 12-24Vdc

Multi-channel dimmers and high power



#### Targets:

- . Dimming of 3 zones with 24Vdc LED strips
- . Management of 1200W
- . Singular and synchronized control of the zones
- . Manual control by wired wall push buttons
- . Wireless control by remote control or motion sensor

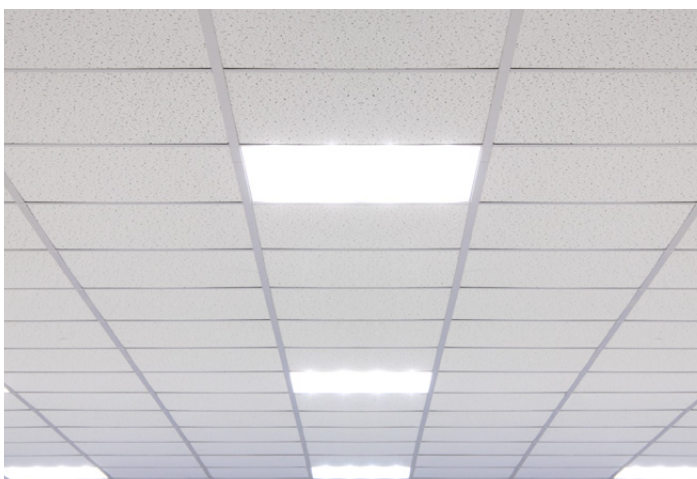
#### Products:

- . 4 outputs Dimmer - Master **TOP-V8/4** (p.26)
- . Power extender - Slave **TOP-V8/4EXT** (p.26)



### Lamps with built-in DALI driver

Broadcast command interface



#### Targets:

- . Synchronized dimming of 6 LED panels with built-in DALI driver
- . Manual control by wired wall push buttons
- . Wireless control by remote control or motion sensor

#### Products:

- . Control unit for DALI drivers **TOP-DL20** (p.22)
- . Wireless wall switch **OPT-4DIM** (p.43)



# Examples of applications

## Solutions for furniture lighting

### Kitchen lighting

Multi-point command and CCT control



#### Targets:

- . Control the lights from 2 different points
- . Dimming and manage the light temperature (CCT)
- . Balance the light temperature (CCT) between the LED profile and the cooking hood light

#### Products:

- . Miniaturized remote control **Touch-1CCT** (p.27)
- . Control unit for CCT LEDs **Mcu-V4/CCT** (p.44)



### Mirror lighting

Automatic switch on



#### Targets:

- . Light switch-on by motion detection
- . Manual control and light dimming
- . Independent sensor positioning and without new cabling

#### Products:

- . Wireless motion sensor **Touch-1SP** (p.48)
- . Dimmer **PlanoV5** (p.24)



### Cabinet lighting

Ghost sensor system



#### Targets:

- . Light switch-on by the door opening
- . Avoid the cabling between the sensor and the lamp
- . Possibility to use very thin aluminium light profile that cannot contain traditional PIR sensors

#### Products:

- . Door motion sensor **Sensa-T** (p.52)
- . Multi-channel control unit **PlanoV5/4CH** (p.25)



# Examples of applications

## Solutions for furniture lighting

### Invisible command point

Recessed remote control



#### Targets:

- . Light control with hidden touch radiotransmitter
- . Control and dimming by smartphone with App Bluetooth

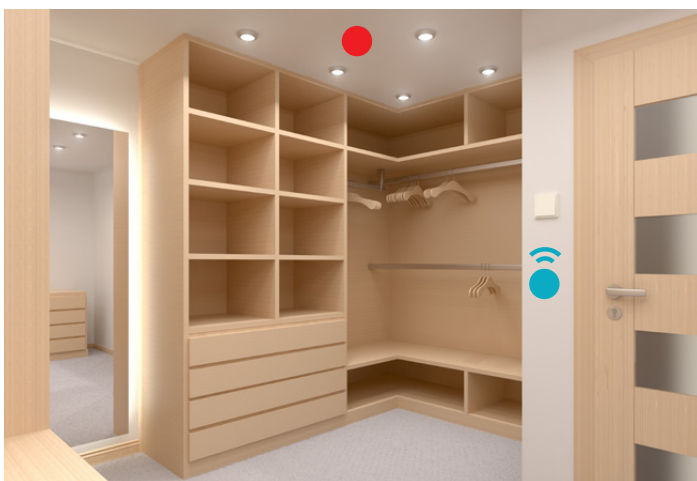
#### Products:

- . Recessed remote control **Round-1G** (p.47)
- . Dimmer **Plano-V5/BLE** (p.25)
- . Smartphone App **OneBlue** (p.12).



### Walk-in closet

Automatic and manual lighting control



#### Targets:

- . Management of constant current spot LEDs
- . Manual lighting control
- . Automatic light switch-on and gradual switch-off
- . Independent and flexible sensor positioning and without new cabling

#### Products:

- . Wireless motion sensor **Optima-1SP** (p.50)
- . Dimmer **TOP-A/0307** (p.32)



### Sound transmission

The sound through the surface



#### Targets:

- . Invisible audio broadcasting without speaker at sight
- . Expand the Bluetooth audio transmission by smartphone through the headboard

#### Products:

- . Surface sound system **Sonic100** (p.58)



# Esemples of applications

## Outdoor lighting

### Garden lighting

Time schedule



#### Targets:

- . Set up the garden lights switch-on at the sunset and the switch-off at the sunrise
- . Remote control the lights by smartphone from wherever in the world

#### Products:

- . 4 channels control unit **Logic-400/ONE** (p.17)
- . Smartphone App **OneSmart** (p.10)



### Swimming pool lighting

Dynamic RGB light effects and lighting control



#### Targets:

- . RGBW LEDs control with portable remote control
- . Management of 3 outdoor light lines by remote control and wireless wall switch

#### Products:

- . Portable remote control **HB80-4C** (p.28)
- . Wall remote control **OPT-4G** (p.14)
- . Control unit for RGB/W LEDs **Top-V8/RGBW** (p.29)
- . On-Off control unit **Mcu-L2** (p.16)



### Pergola lighting

Smart control



#### Targets:

- . Control by wired push button and smartphone of constant current LEDs with 1-10V dimmable driver
- . Automatic light dimming at 20% between 11:00 PM and 5:00 AM

#### Products:

- . Control unit **Top-0110/ONE** (p.20)
- . Smartphone App **OneSmart** (p.10)





# Esemples of applications

## Automation of gates, doors and electric shutters

### Gate and door automation

Remote control from wherever in the world



#### Targets:

- . Control the doors by smartphone from wherever in the world
- . Control the state of the gate open/closed by smartphone
- . Add one command point inside the garage without new cabling

#### Products:

- . Control unit **Plano-1224/ONE** (p.34)
- . Wall remote control **Opt-2G** (p.42)
- . Smartphone App **OneSmart** (p.10)



### Automation of blinds/shutters

Radio control



#### Targets:

- . Management of 4 electric blinds by portable remote control in a singular or synchronized way
- . Add one command point for each window without new cabling

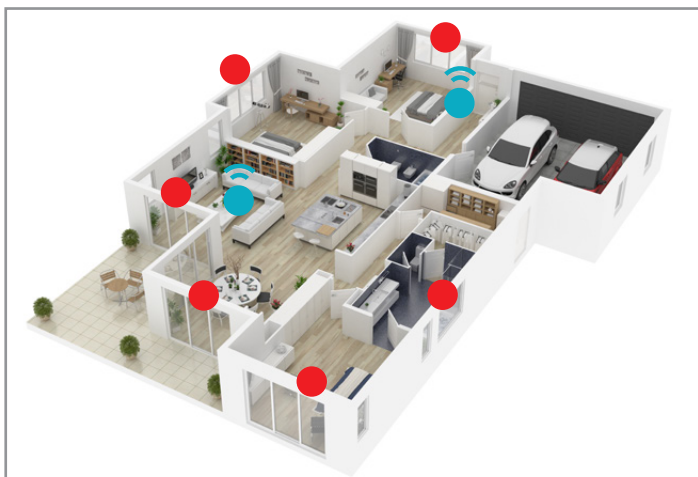
#### Products:

- . Miniaturized remote control **Touch-1L** (p.28)
- . 4 channels portable remote control **HB80-4L** (p.38)
- . Control unit for motors **Mcu-M500** (p.19)



### Automation of blinds/shutters

Smart and centralized



#### Targets:

- . Control of electric shutter by wired push button and remote control
- . Using two existing wall push buttons for creating a centralized command total open - total close
- . Remote control by smartphone

- Products:** Smartphone App **OneSmart** (p.10)
- . Control unit **Mcu-M/ONE** (p.19)
  - . Portable remote control **HB80-30D** (p.38)
  - . Recessed radiotransmitter module **Mcu-TX4** (p.46)



# Example of applications

## Office / Industrial

### Office lighting

Utility and comfort



#### Targets:

- . Simple lighting control conveniently with a portable radio control with magnetic wall fixing
- . Manual or automatic dimming via Smartphone to create the ideal atmosphere in any situation

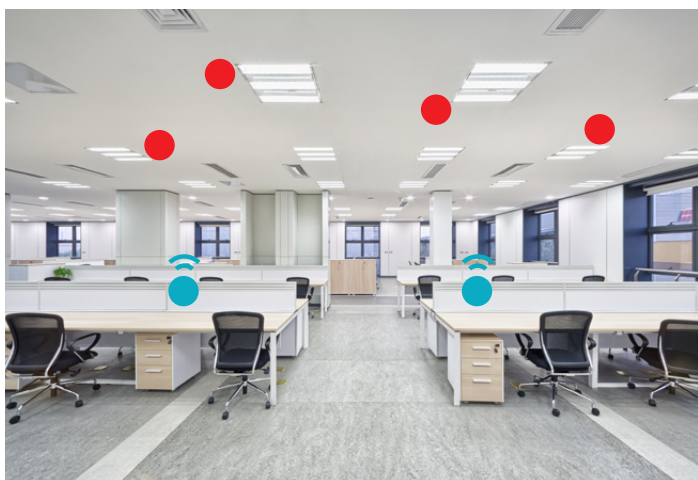
#### Products:

- . Radio control **HB80-4DIM** (p.39)
- . Smart Led controller **PLANO-ONE** (p.30)
- . Smartphone application **OneSmart** (p.10)



### Office lighting

Energy saving



#### Targets:

- . Switching the lights On-Off on the various workstations automatically with energy saving benefits
- . Manual or automatic dimming to create the correct lighting on the different workstations during the day
- . Radio motion sensor with wall mounting

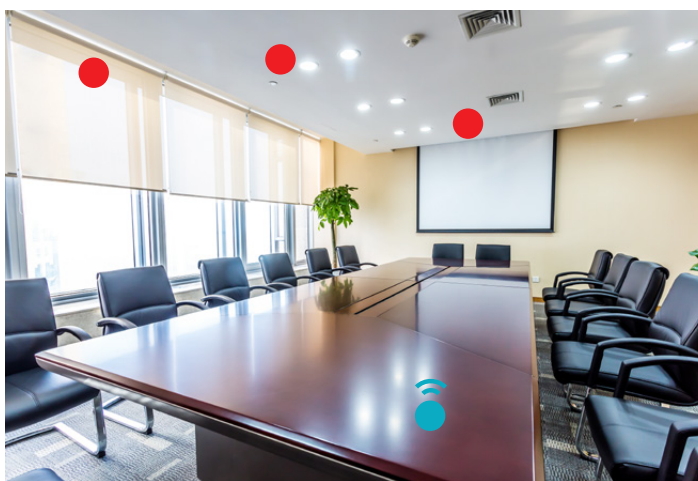
#### Products:

- . Radio motion sensor **TOUCH-1SP** (p.48)
- . Dimmer radio for DALI drivers **TOP-DL20** (p.22)



### Multi-management of a meeting room

Only one remote control for everything!



#### Targets:

- . Simultaneously control of multiple elements in a meeting room:
  - motorized shutters (up/stop/down)
  - ceiling lights (on/off + dimmer)
  - tubular motor for projector (up/stop/down)

#### Products:

- . Portable radio remote control/magnetic fixing **HB80-30D** (p.39)
- . Control unit for electric motors **MCU-M500** (p.19)
- . Dimmer radio control for 0-1/10V driver **TOP-0110** (p.20)

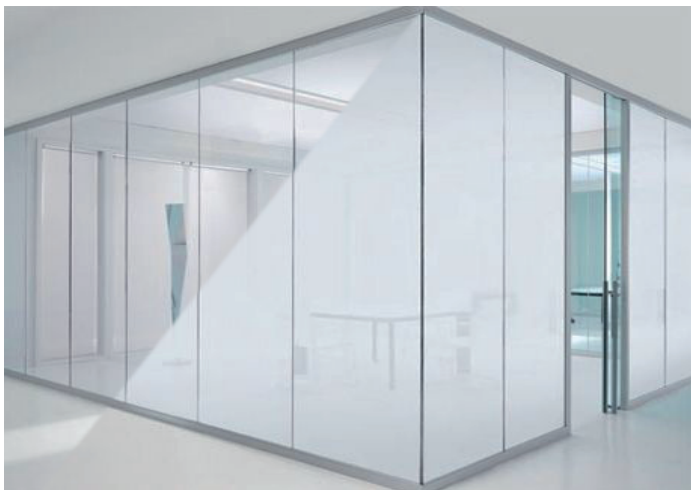


# Example of applications

## Office/ Industrial

### Remote control for LCD glass

Wireless solutions

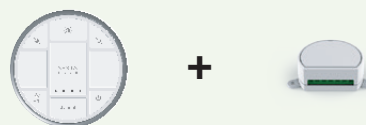


#### Targets:

- . Remote switching (on-off) of LCD glass
- . Remote control for LCD glass by dimming the blur intensity
- . Portable control solutions with wall fixing or with an alternative magnetic wall fixing

#### Products:

- . Portable remote control/magnetic wall fixing **HB80-1DIM** (p.39)
- . LCD glass dimmer **MCU-DM150** (p.18)



### Public office

Lights scheduling



#### Targets:

- . Turning on the lights at a time with manual settings
- . Dimming automatically at a set value during closing hours
- . Manually set the automatic dimming values to ensure the best energy saving setting

#### Products:

- . Smart radio controller **TOP-0110/ONE** (p.20)
- . Smart application **OneSmart** (p.10)



### Industrial lighting

Less wiring, less costs



#### Targets:

- . Create an industrial lighting system by breaking down electrical plant costs thanks to radio communication
- . Allow a dynamic transformation of the system by simply changing the addresses of the control units

#### Products:

- . Radio controller DALI **TOP-DL20** (p.22)
- . Wireless/wired radio wall switch **OPTIMA-4G** (p.43)



# Examples of applications

## Hospitality



### Centralized solution Hotel Hall

Multi-system management from a single app



#### Targets:

- . Manage the lights of an entire Hotel Hall from a very simple and centralized control device
- . App to control the entire plant from a Tablet / PC / Smartphone

#### Products:

- . Control unit hub with a dedicated application **HUB-100** (p.54)
- . Multiple light control units based on the installed light source



### Counter backlight

Light management and dimming

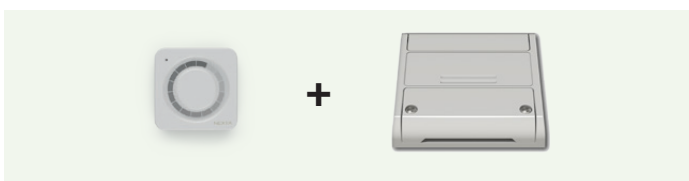


#### Targets:

- . Easy radio control unit installation to control the lighting of a reception counter
- . Manual on/off and dimming thanks to an user-friendly wireless remote control

#### Products:

- . Small-size radio control **TOUCH-1DIM** (p.44)
- . Radio controller dimmer **PLANO-V5** (p.24)



### Hotel rooms lighting

High-impact and low-cost solution



#### Targets:

- . Make a practical remote control available to the customer for the management of lighting in the room
- . Install different types of radio control units with the possibility of be able to manage them through the same remote control (for LEDs single color, CCT, RGB or RGBW)

#### Products:

- . Radio remote control / wall fixing **HB90-6LT** (p.41)
- . Multiple light control units based on the installed light source



# Examples of applications

## Hospitality

### Backlighting location

RGB lighting system



#### Targets:

- . Management of the RGB lights of a backlit bar counter
- . Remote radio control for scene change / color change / dimming lights
- . Setting themed scenes directly from the Smartphone App

#### Products:

- . Bluetooth controller **PLANO-V5/RGBW-BLE** (p.28)
- . Remote control with magnetic fixing **HB80-4C** (p.39)



### Restaurant dining room

Effective dimming for each table



#### Targets:

- . Manage the lighting by dimming and making the right and desired light intensity above each table
- . Hot / cold light setting through automatic scenarios which allow you to create the right atmosphere every hour

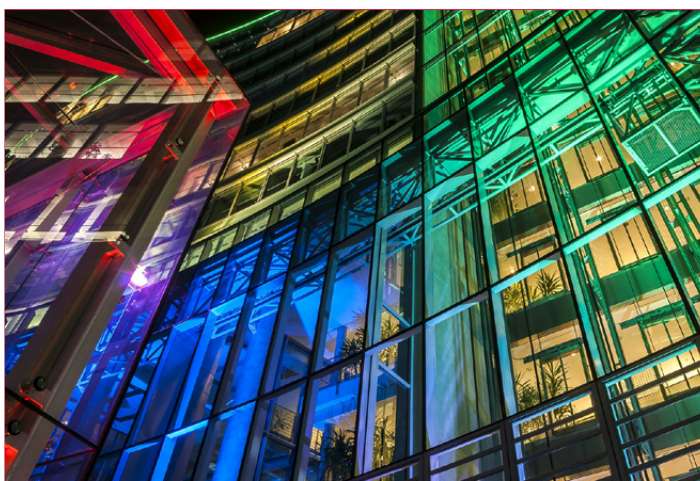
#### Products:

- . Smart control unit **MCU-DM/ONE** (p.18)
- . Wireless radio remote control **HB80-30D** (p.39)



### Building facade light control

High power RGB lights management



#### Targets:

- . Remote management of building facades lights through practices multi-channel radio controls
- . Use of high power RGB control units placed on a dedicated box (on-off and color / scenario management)

#### Products:

- . Portable radio control **HB80-4C** (p.39)
- . Controller **TOP-V8/RGBW** (p.29) and power extender **TOP-V8/EXT** (p.29)



# Examples of applications

## Hospitality

### Staircase lighting

Timer function



#### Targets:

- . Convert wired buttons to wireless remote controls
- . Timed switching off of lights with values that can be set manually
- . Radio signal extension thanks to convenient recessed repeaters

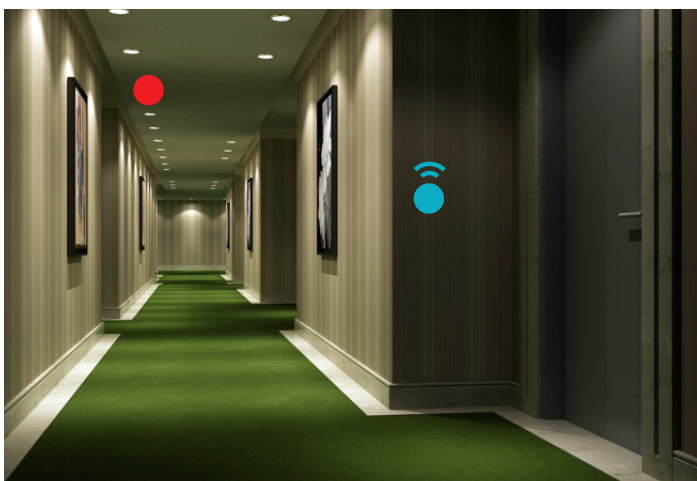
#### Products:

- . RF converter **TOUCH-TX4** (p.46)
- . Controller with timer function **MCU-L1** (p.16)
- . Radio signal extender **MCU-RR** (p.46)



### Corridor lights control

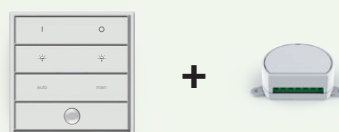
Wireless sensor + radio controls



#### Targets:

- . Turning on the lights upon detection of a movement
- . Manual setting of the light brightness thresholds in On and Off upon detection
- . Wall-mounted remote control with integrated motion sensor

**Pro** . Radio phase dimmer **MCU-DM150** (p.18)



### Stair steps lighting control

Motion detection invisibly

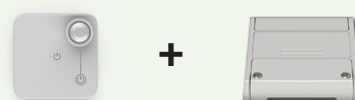


#### Targets:

- . Staircase lighting control via radio sensors or touch buttons
- . No wiring between light sources and sensors
- . Possibility to change the system configuration simply and quickly thanks to the countless advantages that radio frequency offers

#### Products:

- . Small-size and wireless motion sensor **TOUCH-1SP** (p.48)
- . Radio dimmer controller **PLANO-V5** (p.24)



# Examples of applications

## Retail shops

### Shop windows lighting

Energy efficiency and attractiveness

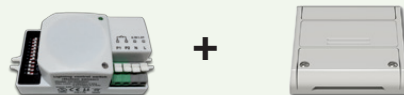


#### Targets:

- . Variable dimming value setting at night time
- . Light up the shop windows with a greater intensity of light with the passage of people in front of it to attract

#### Products:

- . Smart control unit **PLANO-ONE** (p.30)
- . Motion sensor for shop windows **SENSOR-V**



### Shop lighted expositors

More welcoming and effective environment



#### Targets:

- . Manage the lights of a backlit shelving, of an entire wall of the shop or backlit exhibitors
- . Vary the temperature of the warm-cold lights automatically or manually to make the environment more welcoming during the different phases of the day

#### Products:

- . Small-size remote control **TOUCH-1CCT** (p.45)
- . Radio controller **MCU-V4/CCT** (p.27)



### Shop environment lighting

Remote control of a group of shops



#### Targets:

- . Lighting remote control of a group of shops (up to 50 with one account) by App OneSmart
- . Manage and apply different lighting scenarios comfortably from a single Tablet / Smartphone application
- . Easy of use through a user-friendly interface

#### Products:

- . Smartphone App **OneSmart** (p.10)



# Examples of applications

## Visual communication solutions - signs and lightboxes

### Outdoor signs

Energy saving and dimming

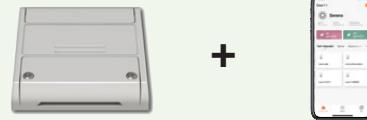


#### Targets:

- . Switching On and Off automatically the signs
- . Dimming of the lights during night with variation of light intensity that change according to the time period (e.g. 100% of light at 20:00, 60% of light at 01:00) with a high energy savings on the system

#### Products:

- . Smart control unit **PLANO-ONE** (p.30)
- . Smart application **OneSmart** (p.10)



### Lightbox lighting control

Remote control and dimming



#### Targets:

- . Remote management of lightboxes and backlit panels
- . Manual control of a single / group of lightboxes and Led light dimming to create the desired environment
- . Reliable wireless radio control with the ability to operate at a maximum distance of 80 meters in open spaces

#### Products:

- . Small-size remote control **TOUCH-1DIM** (p.44)
- . Radio dimmer for Led driver 1-10V **TOP-0110** (p.20)



### Lightbox effects

Greater attractiveness



#### Targets:

- . Radio motion sensor that allows the activation of an higher level of light intensity to attract people attention
- . Radio controls integrated in the sensor to be able to perform some On/Off operations and manual dimmers

#### Products:

- . Smart motion sensor **OPT-1SP/PW** (p. 50)
- . Control unit **TOP-V8/4** (p.26)





# Examples of applications

## Visual communication solutions - signs and lightboxes

### Shops window lighting

Light effects



#### Targets:

- . Shop window lights management from a single remote control or from the dedicated Smartphone application
- . Creation of different light scenarios selectable from app
- . Light dimming for a correct shop window setting

#### Products:

- . Smart control unit **PLANO-ONE** (p.30)
- . Radio control **HB80-4C** (p.39) or APP **OneSmart** (p.10)



### Smart expositors

Lighting control and sound



#### Targets:

- . Manual control and expositor light dimming
- . Commercial audio reproduction with Bluetooth source and sound transmission through the expositor surface

#### Products:

- . Small-size radio control **TOUCH-1DIM** (p.44)
- . Control unit **MCU-V5** (p.14)
- . Motion sensor **SENSOR-V** and sound system **SONIC-100** (p.58)



### Supermarket checkout lights

Checkout open/closed lights control

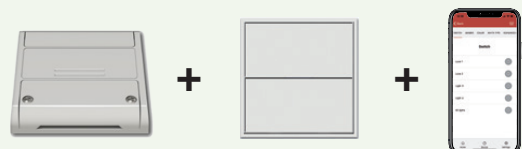


#### Targets:

- . Manage each cashout opening/closing by a radio remote control without any cabling
- . Centralized control by App for Tablet and Smartphone

#### Products:

- . Radio and Bluetooth control unit **PLANO-V5/RGBW/BLE** (p.28)
- . 2 buttons remote control **OPT-2G** (p.43)
- . App Bluetooth **OneBlue** (p.13)







**WIRELESS** TECHNOLOGY  
LIGHTING **AUTOMATION**  
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PASSION DRIVES INNOVATION

**NEXTA TECH**

COMPANY BRAND OF TEAM SRL

VIA G.OBERDAN 90, 33074

FONTANAFREDDA (PN) - ITALY

PH. +39 0434 998682

EMAIL: [INFO@NEXTA-TECH.COM](mailto:INFO@NEXTA-TECH.COM)

WEB: [WWW.NEXTA-TECH.COM](http://WWW.NEXTA-TECH.COM)

INSTAGRAM: NEXTA\_TECH