

# IOT Wireless Components



# IoT - Internet of Things



is the whole of physical objects that are able to collect and exchange data with other devices over the Internet.

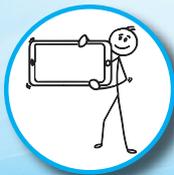
From home to industrial, commercial and public spaces, smart installations are revolutionising everyday life.

### Thanks to smart devices it is possible to

- ✓ save time
- ✓ save money
- ✓ save energy
- ✓ increase efficiency
- ✓ monitor and improve health
- ✓ increase safety

Your life will be easier

if you join us into the IoT World



**ON SITE** CONTROL



**REMOTE** CONTROL

## Fast and Smart



PLUG IN YOUR  
SMART DEVICE



DOWNLOAD THE APP



YOU ARE SMART NOW

# How does IoT support us and improve our lives?

There are thousands of different situations that can be handled faster, better and easier thanks to IoT.

Imagine yourself relaxed on the sofa.

With your smartphone you can change the colours of the lights around you to create a wonderful atmosphere... you can modify the ambient temperature... or set the oven timer.

Your working day is about to end. Before getting home you open your app and turn on the heating system for a warmer welcome.

You are out for shopping and you don't remember if you closed the bedroom window.

You can check it on your smartphone and close it.

You are on holiday and you want to simulate your presence at home by turning on the lights remotely for an increased safety.



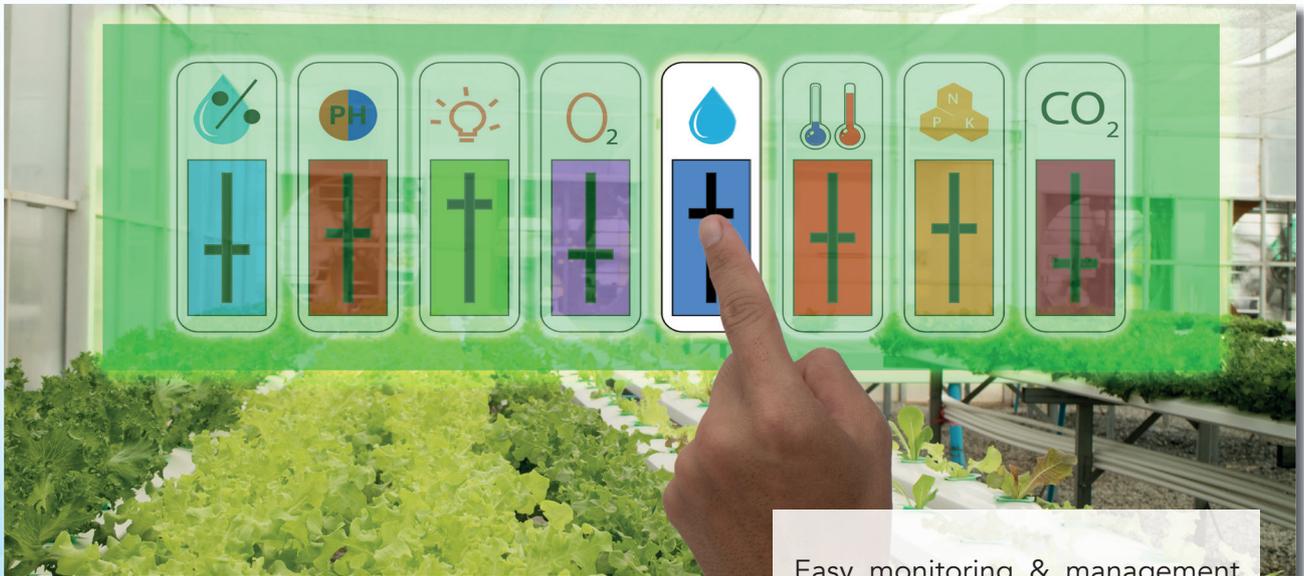
Nowadays smart governance, smart management and smart production are main keys to the success of businesses. Improved efficiency and huge savings are only two of the several advantages coming from the implementation of IoT in your company.

Thanks to smart systems, the lights in your company can be set to turn on/off or modify their output at a specific time or according to daylight or people presence...

You can have a map on your smartphone displaying in real time all the lights in your company with their status and daily consumption...



Machinery can be constantly monitored, to identify and report any potential wrong parameter to prevent them from a damage or break.



Easy monitoring & management of crops and implementation of dedicated smart lights ensure the best harvest all over the year.



Smart systems applied to commercial spaces, malls, supermarkets not only lead to important savings and foster purchase increase (for instance, notifying people special offers or news) but also provide retailers with a unique marketing tool: through the beaconing system it is possible to create heatmaps showing the favourite paths of customers or their areas of greater concentration.

IoT supports and improves the healthcare system in a plurality of ways. The tracking of medical tools reduces the time of their locating in case of emergency. Smart lighting systems in hospitals can have a positive effect on the circadian rhythm of people who have no regular access to natural daylight. UVC LEDs and smart sensors can be used to sterilize objects after their use.



Smart systems enable a constant monitoring and reporting of the air pollution; improve road safety and reduce the energy consumption of cities.

Streetlights can be managed and monitored remotely. All their information can be collected and stored in the cloud where they are accessible at any time and from any place.

## If you choose to be Smart you choose to be Eco-sustainable

Energy saving and process improvement are steps for a better, healthier and safer world.





*The Freedom of Control the World around You*

**WIRELESS COMMUNICATION TECHNOLOGY BY TCI  
OPEN SOURCE PROTOCOL**

**EXTREME FLEXIBILITY: 100% CUSTOMISABLE  
MESH NETWORK, MORE THAN 500 DEVICES**

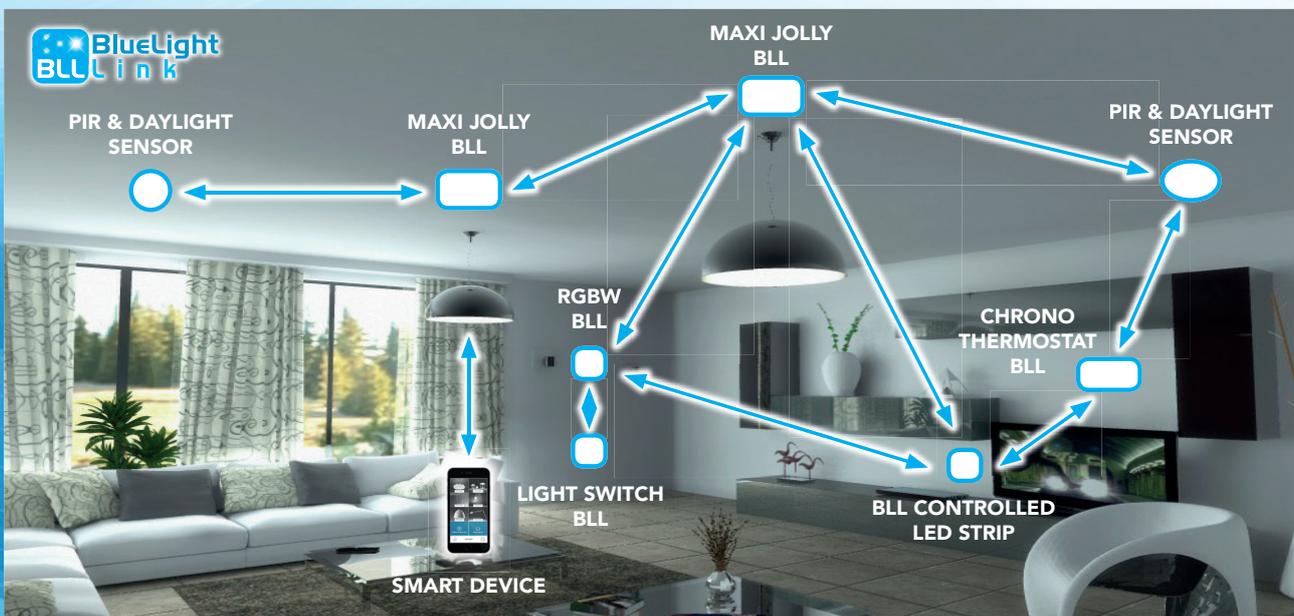
**SMART DIRECT CONTROL BY SMARTPHONE & TABLET**

**COMPATIBLE WITH ALEXA AND GOOGLE HOME\***

**IDEAL FOR RETAIL, OFFICE AND RESIDENTIAL APPLICATIONS**



Blue Light Link is a TCI proprietary system developed to bring people into the World of IoT as key players of the wireless stage. A low energy mesh network allowing the interaction with lights and other objects around you with no limits but your imagination. You can easily download on your smartphone or tablet our free BLL PLUS APP for Android or iOS. In just a few steps you will be able to set up and manage your own network. BLL PLUS APP is 100% user-friendly and 100% customisable, to fulfil your graphic and functional needs. BLL SYSTEM allows to range from a basic light management (turn on & off, dim the light intensity, change colours and choose among several pre-set scenarios) to more complex installations where, by simply adding BLL sensors, you can easily create heat maps of commercial spaces - with huge marketing returns - or gain important energy savings by regulating the light according to people presence or daylight. Moreover, our BLL BEACONING SYSTEM enables indoor localisation. Via Cloud You can send advertisements or communications to smart devices inside a specific space. All the information can be stored and managed via Cloud.



\* By using a BLL gateway, the system can communicate with Alexa and Google Home.



### MAXI JOLLY US BLL

- Power up to 60 W
- Current range: 350...1050 mA (dip-switch)
- Rated voltage: 110 ÷ 127 VAC; 220 ÷ 240 VAC
- Light regulation 0/0,5 - 100%
- Combinable with PIR sensor
- Available with internal or external antenna
- Integrated BLL wireless module
- SELV 120 V



TCI LED drivers section W3 - code 135006 - 135020



### MAXI JOLLY SV BLL

- Power up to 50 W
- Current range: 350...1200 mA (dip-switch)
- Rated voltage: 110 ÷ 127 VAC; 220 ÷ 240 VAC
- Light regulation 0/0,5 - 100%
- Combinable with PIR sensor
- Available with internal or external antenna
- Integrated BLL wireless module
- SELV 60 V



TCI LED drivers section W3 - code 135021 - 135022



### MAXI JOLLY HC BLL

- Power up to 60 W
- Current range: 1050...2100 mA (dip-switch)
- Rated voltage: 110 ÷ 120 VAC; 220 ÷ 240 VAC
- Light regulation 0/0,5 - 100%
- Combinable with PIR sensor
- Suitable for damp locations
- Independent and built-in models available
- Available with internal or external antenna
- Integrated BLL wireless module
- SELV 60 V



TCI LED drivers section W3  
code 135001 - 135013 - 135000 - 135011





### PIR SENSOR

- Cable with movement detector
- Not insulated
- For built-in application
- Length: 0.3 m; 1 m; 1.6 m
- Detection distance: 5 m
- Detection area: H: 100° - V: 82°
- Detection zones: 64

TCI LED drivers section W3 - code 180430 - 180439 - 180432



AVAILABLE SOON

### PROFESSIONALE BLL

- Power up to 38 W
- Current range: 300...1050 mA (dip-switch)
- Rated voltage: 220 ÷ 240 VAC
- AM dimming: 0/1-100%
- Independent and built-in models available
- Integrated BLL wireless module
- Beacons function
- SELV 60 V



TCI LED drivers section W3  
code 135024 - 135026 - 135025 - 135027



### LV RGBW 500 BLL

- Power: 4x3 W
- Current output: 4x500 mA
- Rated voltage: 12 ÷ 24 VDC
- Light regulation 0/1 - 100%
- Available with internal or external antenna
- Integrated BLL wireless module



TCI LED drivers section W3 - code 135002 - 135003





### SED DCC 2CH BLL

- Wireless BLL low voltage dimmer for LED strips
- White and Tunable White control
- Rated voltage: 2x 12/24 VDC
- Combinable with PIR sensor
- Available with internal or external antenna
- SELV 60 V



TCI LED drivers section W3 - code 135036 - 135037



### SED 4CH BLL

- Wireless BLL low voltage dimmer for LED strips
- White, Tunable White, RGB and RGBW control
- Rated voltage: 12/24/48 VDC
- Beacons function
- SELV 60 V



TCI LED drivers section W3 - code 135043 - 135044

AVAILABLE SOON



### MINI BLL INTERFACE

- Interface BLL to PWM/1...10 V
- Rated voltage: 100 ÷ 240 VAC or 8 ÷ 13 VDC
- Provided with 4 PWM outputs to connect up to 20 LED drivers
- Available with internal or external antenna
- SELV 60 V



TCI LED drivers section W3 - code 135008 - 135015



### BLL DALI INTERFACE

- Interface BLL to DALI
- Rated voltage: 100 ÷ 240 VAC
- White, Tunable White, RGB and RGBW control
- Available with internal or external antenna
- Up to 40 DALI drivers
- SELV 60 V



TCI LED drivers section W3 - code 135009 - 135016





### MILANO inTRACK 31/325...700 BLL

- Power up to 31 W
- Current: 325...700 mA (dip-switch)
- Rated voltage: 220 ÷ 240 VAC
- Light regulation 0/1 - 100%
- Available also with PIR sensors (**MILANO inTRACK BLL PIR**)
- Integrated BLL wireless module
- SELV 60 V



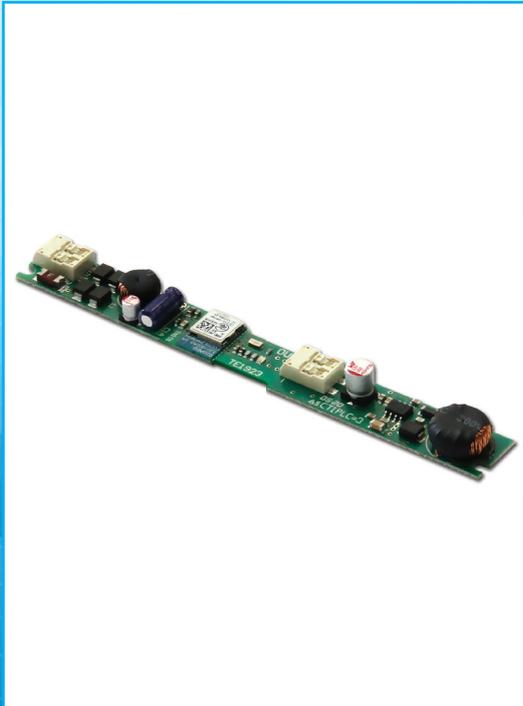
TCI LED drivers section W3  
code 135050 - 135051 - 135052 - 135053 - 135054 - 135055

### MILANO inTRACK 40/675...1050 BLL

- Power up to 40 W
- Current: 675...1050 mA (dip-switch)
- Rated voltage: 220 ÷ 240 VAC
- Light regulation 0/1 - 100%
- Available also with PIR sensors (**MILANO inTRACK BLL PIR**)
- Integrated BLL wireless module
- SELV 60 V



TCI LED drivers section W3  
code 135056 - 135057 - 135058 - 135064 - 135065 - 135066



### LV HR TRACK BLL 357

- Power supply for 48V track system
- Up to 28 W
- Current range: 350...700 mA
- Rated voltage: 48 Vdc
- Light regulation 0/1 - 100%
- Compatible with 48 V Stucchi tracks "9500" series
- Integrated BLL wireless module

### LV HR TRACK BLL 246

- Power supply for 48V track system
- Up to 26 W
- Current range: 250...600 mA
- Rated voltage: 48 Vdc
- Light regulation 0/1 - 100%
- Compatible with 48 V Stucchi tracks "9500" series
- Integrated BLL wireless module
- Beacons function



TCI LED drivers section W3 - code 135018OF - 135017OF





### BLL USB DONGLE

- USB to virtual COM adapter
- Small size: 43 x 18 mm
- BLL range extender use (with an external adapter)
- Compatible with Windows, Linux and MAC
- Compatible with Raspberry PI
- Creation of customised gateways or controllers
- Beaconing function



TCI LED drivers section W3 - code 135033



### BEACON SENS LV BLL

- Rated voltage: 5 ÷ 48 Vdc
- Two models: Standard & Advanced
- Bluetooth Low Energy® 5.0
- Eddystone: UID, URL, TLM & EID
- Einstone (Advanced model)
- Cloud update
- One programmable input/output signal:
  - analog/digital input: Push LV; PIR (Panasonic); Generic ADC input (0 - 3 Vdc)
  - output 0/1-10 V
- I2C Sensor port
- Datalogger (Advanced model)



TCI LED drivers section W3 - code 135038 - 135039



### BLL 2CH ACTUATOR

- Independent use
- Normally open potential free relay
- Maximum AC load: 200W
- Maximum DC load (resistive):
  - 1A @48 Vdc / 5A @12 - 24 Vdc
- Input voltage: 110 ÷ 127 V, 220 ÷ 240 V



TCI LED drivers section W3  
code 135045 - 135047





### SWITCH 3P BLL

- INDEPENDENT MODEL
- Up to 3 normally open Push Buttons, each one individually programmable
- Maximum cable length: 30 m
- Input voltage: 110 ÷ 127 V, 220 ÷ 240 V
- SELV 60 V



TCI LED drivers section W3  
code 135081 - 135082

- BUILT-IN MODEL
- Flush mounting boxes or junction boxes
- Up to 3 normally open Push Buttons, each one individually programmable
- Maximum cable length: 1 m
- Input voltage: 110 ÷ 127 V, 220 ÷ 240 V
- Dimensions: 43 x 43 x 17,5 mm



TCI LED drivers section W3 - code 135080



### MINI BLL GATEWAY

- BLL to Wi-Fi Gateway
- Scheduling, Circadian Cycle, Heat Maps, Alexa, Google Home
- Cloud update
- Ethernet connector for multi-network management
- Small size: 75 x 75 x 30 mm



TCI LED drivers section W3 - code 135086



### GATEWAY IOT BLL

- Gateway Wi-Fi to BLL
- Scheduling - Heat Maps - Circadian Cycle - Alexa
- Ethernet connector
- Optional 4G connection



TCI LED drivers section W3 - code 122547BLL - 122556BLL





## BLL PIR DAYLIGHT

- Motion and daylight sensor for indoor use
- BUILT-IN MODEL
- Input voltage: 5 ÷ 48 Vdc
- Available detection types: standard, slight motion, spot, long distance
- Available visual fields: 120° x 106°; 107° x 106°; 57° x 42°; 120° x 107°
- Different detection lengths: 3,3 m; 5 m; 6 m; 10 m



TCI LED drivers section W3 - code 135101 - 135102 - 135103 - 135104

- Motion and daylight sensor for indoor use
- INDEPENDENT MODEL
- Input voltage: 110 ÷ 127 V; 220 ÷ 240 V
- Available detection types: standard, slight motion, spot, long distance
- Available visual fields: 120° x 106°; 107° x 106°; 57° x 42°; 120° x 107°
- Different detection lengths: 3,3 m; 5 m; 6 m; 10 m



TCI LED drivers section W3 - code 135097 - 135098 - 135099 - 135100



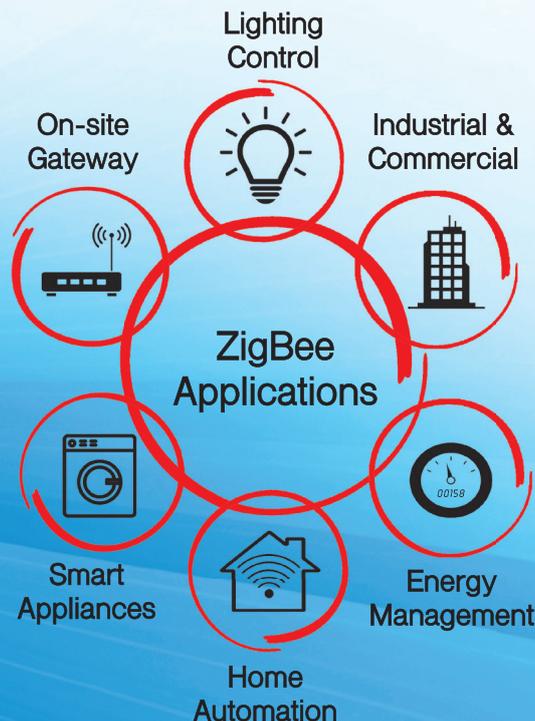


*The Reliability of a Standard*

**ZIGBEE BASED WIRELESS COMMUNICATION TECHNOLOGY**  
**STANDARD PROTOCOL**  
**WIDE RANGE OF COMPATIBLE DEVICES**  
**SCHEDULING & REMOTE CONTROL VIA GATEWAY**  
**MESH NETWORK, MORE THAN 500 DEVICES**  
**COMPATIBLE WITH ALEXA\* AND PHILIPS HUE**  
**IDEAL FOR RESIDENTIAL, OFFICE AND INDUSTRIAL APPLICATIONS**



TCI wireless products belonging to this family have as a plus the ZigBee standard protocol that makes them compatible with a very wide range of ZigBee devices already available on the market. The capacity of this system is highly extended as it is based on a mesh network, while all the easy-to-find accessories guarantee its extreme flexibility in terms of building an ad-hoc solution. Our ZigBee products are ideal also for all those applications requiring both on-site and remote control to achieve important cost savings, thanks to the scheduling via gateway and the monitoring of consumptions with a wattmeter. All the information can be collected and stored in the Cloud.



\* Compatible with Alexa models that are provided with ZigBee technology



### MAXI JOLLY US ZB3

- Power up to 60 W
- Current range: 350...1050 mA (dip-switch)
- Rated voltage: 110 ÷ 127 VAC; 220 ÷ 240 VAC
- Full AM dimming 1-100%
- Integrated ZigBee wireless module
- SELV 120 V



TCI LED drivers section W1 - code 151570



### MAXI JOLLY SV ZB3

- Power up to 50 W
- Current range: 350...1200 mA (dip-switch)
- Rated voltage: 110 ÷ 127 VAC; 220 ÷ 240 VAC
- FULL AM dimming 1-100%
- Integrated ZigBee wireless module
- SELV 60 V



TCI LED drivers section W1 - code 151572



### PROFESSIONALE ZB3

- Power up to 38 W
- Current range: 300...1050 mA (dip-switch)
- Rated voltage: 220 ÷ 240 VAC
- Full AM dimming: 1-100%
- Independent and built-in models available
- Integrated ZIGBEE wireless module
- SELV 60 V



TCI LED drivers section W1 - code 122576 - 122577



### MINI ZB3 INTERFACE

- Interface ZB3 to DALI 0/1...10 V
- Rated voltage: 100 ÷ 240 VAC
- Input voltage: 11,5-25 VDC
- Compatible with DALI, 0/1-10 V, PWM products
- 0/1-10 V port: 10 mA max.
- SELV 60 V



TCI LED drivers section W1 - code 122553





### GEWISS GWA1501

- Command device
- 2 channels potential free
- Rated voltage: battery (CR2032 replaceable)
- ZigBee Interface (IEEE 802.15.4)
- Output power: 8 dBm
- Mesh network
- IP20



TCI LED drivers section W1 - code 181501



### GEWISS GWA1502

- Command device
- 2 channels potential free
- Rated voltage: 230 Vac
- ZigBee Interface (IEEE 802.15.4)
- Output power: 8 dBm
- Mesh network
- IP20



TCI LED drivers section W1 - code 181502



### GEWISS GWA1521

- ZigBee Generic Load Actuator (IEEE 802.15.4)
- Output contacts: 1 NA 10A (AC1) 230 Vac
- Engine power: max. 500W
- Rated voltage: 230 Vac
- Output power: 3 dBm
- Mesh network
- IP20



TCI LED drivers section W1 - code 181521



### GEWISS GWA1523

- ZigBee Generic Load Actuator with Power Measurement (IEEE 802.15.4)
- Output contacts: 1 NA 10A (AC1)
- Rated voltage: 230 Vac
- Output power: 3 dBm
- Engine power: max 500 W
- Mesh network
- IP20



TCI LED drivers section W1 - code 181523



### GEWISS GWA1531

- ZigBee Roller Shutter Actuator (IEEE 802.15.4)
- Output current: max. 6 A
- Engine power: max. 500W
- Rated voltage: 230 Vac
- Output power: 8 dBm
- Mesh network
- IP20

**GEWISS**

TCI LED drivers section W1 - code 181531



### GEWISS GWA1511

- ZigBee Motion Sensor (IEEE 802.15.4)
- Rated voltage: battery (CR123 replaceable)
- Output power: 3 dBm
- Detection range: max. 6 m
- Brightness range: 3-70.000 lux
- Colour: white
- Mesh network
- IP30

**GEWISS**

TCI LED drivers section W1 - code 181511



### GEWISS GWA1512

- ZigBee Smoke Detector (IEEE 802.15.4)
- Rated voltage: battery (CR123 replaceable)
- Output power: 8 dBm
- Alarm: 85 dB/3 m
- Temperature detection: 0-50 °C
- Colour: white
- Mesh network
- IP20

**GEWISS**

TCI LED drivers section W1 - code 181512



### GEWISS GWA1513

- ZigBee Window Detector (IEEE 802.15.4)
- Rated voltage: battery (2 x AAA replaceable)
- Output power: 3 dBm
- Magnetic detector
- Temperature detection: 0-50 °C
- Colour: white
- Mesh network
- IP40

**GEWISS**

TCI LED drivers section W1 - code 181513



### GEWISS GWA1514

- ZigBee Water Detector (IEEE 802.15.4)
- Rated voltage: battery (CR123 replaceable)
- Output power: 8 dBm
- Alarm: 85 dB/3 m
- Temperature detection: 0-50 °C
- Colour: white
- Mesh network
- IP20



TCI LED drivers section W1 - code 181514



### GEWISS GWA1706

- USB - ZigBee Interface (IEEE 802.15.4)
- USB 2.0
- Mesh network
- IP20



TCI LED drivers section W1 - code 181706



### ZIGBEE 3.0 TO DALI DT6-DT8 TUNABLE WHITE CONTROLLER

- Power supply: DALI Bus
- Current consumption: 70 mA
- ZigBee Green Power supported
- Touchlink Commissioning supported
- Self-forming Zigbee network supported
- IP20



TCI LED drivers section W1 - code 181204



### ZIGBEE 3.0 WIRELESS DIMMER SWITCH

- Operation Voltage: 3Vdc (CR2450)
- Transmission Range: up to 30 m (free field)
- Transmission Frequency: 2.4 GHz
- Dimming range: 0.1% - 100%
- Touchlink Commissioning supported
- IP20



TCI LED drivers section W1 - code 181207



## ZIGBEE 3.0 LED DIMMER / SR-ZG9101CS

- ON-OFF and Light Intensity control
- Nominal Voltage: 12-36 Vdc
- Output current: 8 A
- Output Power: 96-288 W
- ZigBee Green Power supported
- Touchlink Commissioning supported
- Self-forming Zigbee network supported
- IP20



**SUNRICHER**

TCI LED drivers section W1 - code 181208

# CASAMBI

*Lighting Control For The Modern World*

**CASAMBI BASED WIRELESS COMMUNICATION TECHNOLOGY**

**ALREADY LICENSED PRODUCTS**

**MESH NETWORK**

**SMART DIRECT CONTROL BY YOUR SMARTWATCH, SMARTPHONE & TABLET**

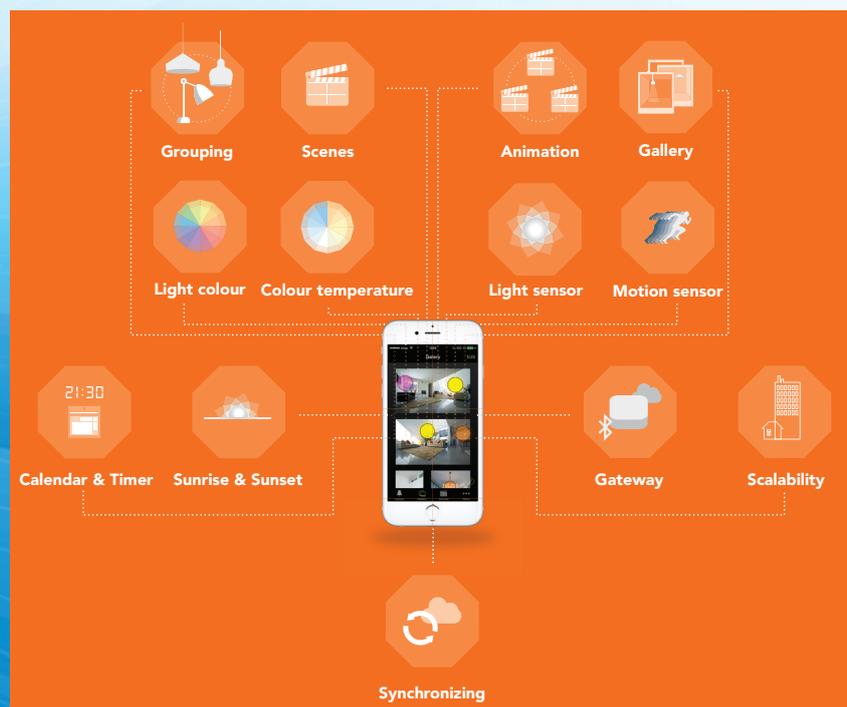
**IDEAL FOR RESIDENTIAL AND RETAIL APPLICATIONS**



Casambi is the right answer to people looking for a solution that enables an easy and user-friendly management of lights, especially in residential and retail applications.

Via Casambi you can vary the brightness and the colour of your lights and you can set up a 'human-centric' lighting that promotes well-being.

All Casambi modules are provided with beacon technology that turns light into an indoor guidance or enables the so called "follow me" function (lights turn on only when the user is nearby).





### MAXI JOLLY US CASAMBI

- Power up to 60 W
- Current range: 350...1050 mA (dip-switch)
- Rated voltage: 110 ÷ 127 VAC; 220 ÷ 240 VAC
- Full AM dimming 1-100%
- Integrated Casambi wireless module
- SELV 120 V



TCI LED drivers section W2 - code 127644



### MAXI JOLLY SV CASAMBI

- Power up to 50 W
- Current range: 350...1200 mA (dip-switch)
- Rated voltage: 110 ÷ 127 VAC; 220 ÷ 240 VAC
- Full AM dimming 1-100%
- Integrated Casambi wireless module
- SELV 60 V



TCI LED drivers section W2 - code 127645



### PROFESSIONALE CASAMBI

- Power up to 38 W
- Current range: 300...1050 mA (dip-switch)
- Rated voltage: 220 ÷ 240 VAC
- Full AM dimming 1-100%
- Integrated Casambi wireless module
- SELV 60 V



TCI LED drivers section W2 - code 127630 - 127631



### PROFESSIONALE HC CASAMBI

- Power up to 50 W
- Current range: 650...1400 mA (dip-switch)
- Rated voltage: 220 ÷ 240 VAC
- Full AM dimming 1-100%
- Integrated Casambi wireless module
- SELV 60 V



TCI LED drivers section W2 - code 127660 - 127662





### VSTR CASAMBI

- Power up to 120 W
- Current: 5 A
- Rated voltage: 220 ÷ 240 VAC
- Full AM dimming 1-100%
- Integrated Casambi wireless module
- SELV 60 V



TCI LED drivers section W2 - code 127641



### MINI CASAMBI INTERFACE

- Interface Casambi to 0/1...10 V
- Rated voltage: 100 ÷ 277 VAC
- 4 independent 0/1-10 V outputs (max. 10 mA each)
- RGBW mode settable by dip-switch
- SELV 60 V



TCI LED drivers section W2 - code 127637 - 127638



### CASAMBI DALI INTERFACE

- Interface CASAMBI to DALI
- Rated voltage: 100 ÷ 240 VAC
- Available with internal or external antenna
- Up to 40 DALI drivers
- SELV 60 V



Code 127669



### MILANOinTRACK 31/325-700 CASAMBI

- Power up to 31 W
- Rated voltage: 220 ÷ 240 VAC
- Current range: 325...700 mA (dip-switch)
- FULL AM dimming 1-100%
- Integrated Casambi wireless module
- SELV 60 V

TCI LED drivers section W2 - code 127664 - 127665 - 127666

### MILANOinTRACK 40/300-1050 CASAMBI

- Power up to 40 W
- Rated voltage: 220 ÷ 240 VAC
- Current range: 300...1050 mA (dip-switch)
- FULL AM dimming 1-100%
- NFC programming
- Integrated Casambi wireless module
- SELV 60 V



TCI LED drivers section W2 - code 127884 - 127885 - 127886





### CASAMBI CBU-ASR-C-4423

- Bluetooth 4.0 2 Channels Control Unit
- Rated Voltage: 12-24 Vdc, 30 mA
- 2 0-10 V Output Channels: max. 5 mA each
- Ideal for Tunable White
- Sensor input: max. 24 Vdc

## CASAMBI

TCI LED drivers section W2 - code 181223



### CASAMBI CBU-PWM4-0-C-4027 (CE)

- Bluetooth 4.0 4 Channels PWM Dimmer for constant voltage loads
- Rated Voltage: 12-24 Vdc, max. 6 A
- Output power: max. 144 W @ 24 Vdc; max. 72 W @ 12 Vdc
- 4 PWM Output Channels: max. 6 A
- Ideal for RGBW and Tunable White

## CASAMBI

TCI LED drivers section W2 - code 181221



### CASAMBI CBU-PWM4-4-C-4027 (UL)

- Bluetooth 4.0 4 Channels PWM Dimmer for constant voltage loads
- Rated Voltage: 12-24 Vdc, max. 4 A
- Output power: max. 96 W @ 24 Vdc; max. 48 W @ 12 Vdc
- Four PWM Output Channels: max. 4 A
- Ideal for RGBW and Tunable White

## CASAMBI

TCI LED drivers section W2 - code 181222



### CASAMBI CBU-A2D-E-11503

- Bluetooth 4.0 control unit
- Rated Voltage: 100-277 Vac
- Vout: 0-10 Vdc (0-10 V) - 12 Vdc (DALI)
- Digital output: Standalone DALI
- Analog output 2 CH: 0-10 V
- Combinable with presence/daylight DALI detectors
- Ideal for Tunable White
- IP20

## CASAMBI

TCI LED drivers section W2 - code 181228



### CASAMBI CBU-ASD-C-3100

- Bluetooth 4.0 control unit
- Rated Voltage: 220-240 Vac
- Vout: 0-10 Vdc (0-10 V)  
9-12 Vdc (DALI)
- Digital output: Standalone DALI
- Analog output: 0-10 V

**CASAMBI**

TCI LED drivers section W2 - code 181220



### CASAMBI CBU-TED-C-526

- Bluetooth Trailing-Edge Dimmer
- Rated Voltage: 85-240 Vac, max. 0,65 A
- Output power: max. 150 VA @ 230 Vac;  
max. 75 VA @ 120 Vac
- Min. Load: 1 W

**CASAMBI**

TCI LED drivers section W2 - code 181224



### CASAMBI CBU-DCS-C-8079

- Bluetooth 4.0 control unit
- Rated voltage: 9,5-22,5 Vdc, 5 mA
- Powered by a DALI bus
- Combinable with presence/daylight  
DALI detectors

**CASAMBI**

TCI LED drivers section W2 - code 181225



### **CASAMBI XPRESS-W-C-239**

### **CASAMBI XPRESS-B-C-239**

- Wireless user interface
- Rated Voltage: battery (CR2430)
- Four target buttons
- Single luminaire & groups control
- Scenes & animations recall
- Colour temperature change
- Direct/Indirect lighting ratio change
- Transmission range (free field): up to 50 m
- IP20

**CASAMBI**

TCI LED drivers section W2 - code 181226 - 181227



## *Smart City & Buildings Management*

**WIRELESS & WIRED COMMUNICATION SYSTEM BY TCI**

**TAILOR MADE SERVICES**

**POSSIBILITY TO IMPLEMENT SEVERAL BRAND TECHNOLOGIES**

**SCHEDULING & REMOTE CONTROL POSSIBLE VIA GATEWAY**

**LIVE MONITORING OF THE SYSTEM STATUS & DATA COLLECTION**

**SUITABLE FOR ENERGY SAVING RELAMPING**

**IDEAL FOR RETAIL, INDUSTRIAL AND OUTDOOR APPLICATIONS**



ZD-LIGHT is an extremely efficient system, combining state-of-the-art technological solutions for the tele-control of lights and IoT objects. Thanks to an intuitive user interface – web page or APP – our system can monitor, control and manage lighting installations, from a single lamp to the whole network.

Based on mesh technology, ZD-LIGHT allows to cover extended areas while ZigBee 3.0 standard protocol makes it extremely versatile in terms of compatibility with a plurality of devices. This system is thought to fulfil the need of ad hoc solutions on the basis of Customers requests.

ZD-LIGHT covers a very wide range of applications, ranging from commercial spaces to buildings, industrial plants, public gardens, cities, streets and tunnels. By implementing different components it is possible to manage the light at 360°: make measurements of specific ambient parameters like air pollution and light intensity; check each luminaire status (temperature, consumptions, any potentially dangerous mechanical faults etc.) and, by implementing movement sensors, ZD-LIGHT allows to create heat maps aiming at defining the main areas of people concentration. The dynamic programming of the light enables to define an automatic management of the luminous flux emitted by the luminaire on the basis of time slots. The CLO function allows to keep constant the luminous flux over the whole life cycle of the luminaire, by electronically balancing the efficiency decrease, which is typical of the LEDs.

All the collected information can be stored and managed on site or remotely via Cloud.



### MINI ZD LIGHT INTERFACE

- Interface ZD LIGHT - DALI 0/1...10 V
- Rated voltage: 100 ÷ 240 VAC
- Input voltage: 11,5-25 VDC
- Compatible with PWM products, DALI, 0/1-10 V
- 0/1-10 V port: 10 mA max.
- SELV 60 V



Code 122552



### ZD 12M DIN

#### WI-FI

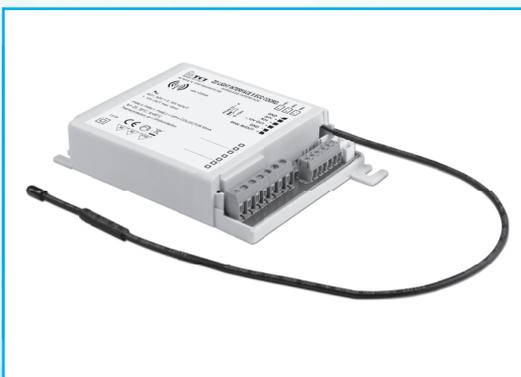
- Standard: IEEE 802.11 b/g/n wireless operation standard
- Frequency: 2.4 GHz (ISM Frequency Bands)
- Coverage: up to 100 m (328 ft) for LOS coverage
- Auto wireless channel selection
- Security: 64/128-bit WEP  
WPA & WPA-PSK & WPA2-PSK

#### ROUTER

- Firewall: Network Address Translation; State full Packet Inspection
- Media Access Control: CSMA/CA with ACK
- VPN: IPSec/PPTP/L2TP/VPN Pass-through
- DHCP: Built-in Dynamic Host Configuration Protocol
- DNS supported
- PPP authentication: PAP/CHAP



Code 122564



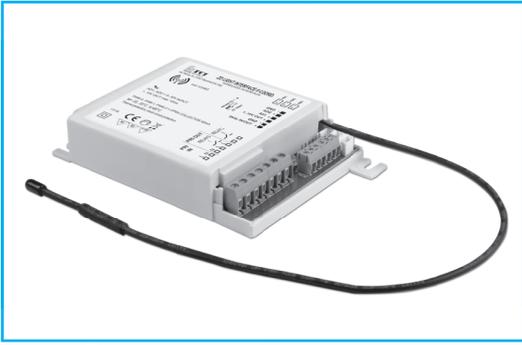
### ZD LIGHT INTERFACE COORDINATOR

- Transmission power: 10 dB
- Rated voltage: 220 ÷ 240 VAC 50/60Hz or 10 ÷ 13 VDC on dedicated terminal block (not relay and 1-10 V port use); 5 VDC on dedicated terminal block (relay use)
- Current Input: max. 0,05 A
- No load consumption: 0,4 W



Code 122548



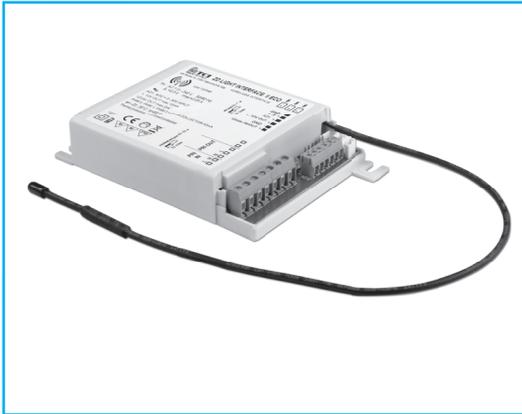


### ZD LIGHT INTERFACE COORDINATOR M06

- Transmission power: 20 dB
- Rated voltage: 220 ÷ 240 VAC 50/60Hz or 10 ÷ 13 VDC on dedicated terminal block (not relay and 1-10 V port use); 5 VDC on dedicated terminal block (relay use)
- Current Input: max. 0,05 A
- No load consumption: 0,4 W
- Provided with USB cable



Code 122562

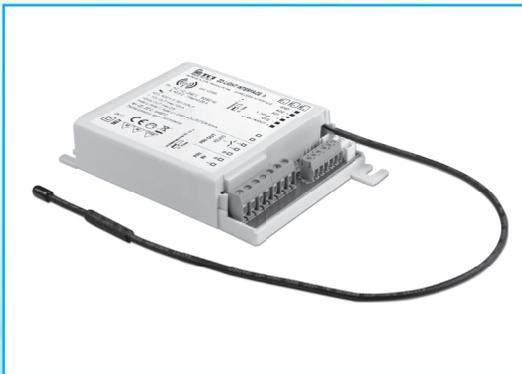


### ZD LIGHT INTERFACE ECO

- Transmission power: 10 dB
- 1-10 V only. No relay to switch on-off the single light
- Rated voltage: 220 ÷ 240 VAC 50/60Hz or 9 ÷ 13 VDC on dedicated terminal block (1-10 V port use); 5 ÷ 13 VDC on dedicated terminal block (not relay use)
- Current Input: max. 0,05 A
- No load consumption: 0,4 W



Code 122546



### ZD LIGHT INTERFACE ECO M06

- Transmission power: 20 dB
- 1-10 V & relay to switch on-off the single light
- Rated voltage: 220 ÷ 240 VAC 50/60Hz or 9 ÷ 13 VDC on dedicated terminal block (relay and 1-10 V port use); 5 ÷ 13 VDC on dedicated terminal block (not relay use)
- Current Input: max. 0,05 A
- No load consumption: 0,4 W



Code 122560



### ZD LIGHT INTERFACE ZS

- Interface ZD-LIGHT to DALI
- Rated voltage: 11 ÷ 30Vdc (0.05 A max.)
- ZHAGA socket connector
- DALI BUS @ 24Vdc up to 4 devices
- DALI BUS @ 12Vdc 1 device

Code 122584



### Accessori:

- Cap connector IP66  
Code 488787581
- Connector max. 30 Vdc - max. 1,5 A  
Code 488787561





## *Turn Imagination into Achievement*

### **WIRELESS COMMUNICATION TECHNOLOGY**

#### **5G/GEOLIFI SYSTEM**

#### **UNLIMITED BANDWIDTH**

#### **RADIOWAVE FREE**

#### **SMARTPHONE & TABLET**

### **IDEAL FOR OFFICE, RETAIL AND OUTDOOR APPLICATIONS**



With VLC & Li-Fi systems it is possible to turn lights into a communication tool, both indoor and outdoor. The geo localisation allows to geo-contextualise the information.

The smartphones or tablets can receive advertisements when they are just under a lamp and by means of specific APPs people can find their path inside a mall, a hospital, a supermarket, a building and they can even quickly find their car in big car parks.

You can enjoy this system at two levels:

VLC: Unidirectional information flux. This is the simplest solution, allowing all the above as a simple data transmission thanks to a space-saving electronic board placed inside the lamp.

Li-Fi: Bidirectional information flux. By choosing this option You can also connect to the Internet and surf it in a fast and secure way. You just need a further Li-Fi modem and Li-Fi key



AVAILABLE SOON

### PROFESSIONALE VLC

- Power up to 38 W
- Current range: 350...1050 mA (dip-switch)
- Rated voltage: 220 ÷ 240 VAC
- Integrated VLC wireless module (technology)
- SELV 60 V



Code 126001 - 126002



AVAILABLE SOON

### MAXI JOLLY VLC

- Power up to 60 W
- Current range: 250...700 mA (dip-switch)
- Rated voltage: 110 ÷ 127 VAC; 220 ÷ 240 VAC
- Integrated VLC wireless module (technology)
- SELV 120 V



Code 126003 - 126004





PRODUCER'S LIABILITY  
**10 YEARS WARRANTY**

**TCI LED**  
professional led applications

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