



outdoor led lighting

CATALOGUE 2018





ISO9001:2008

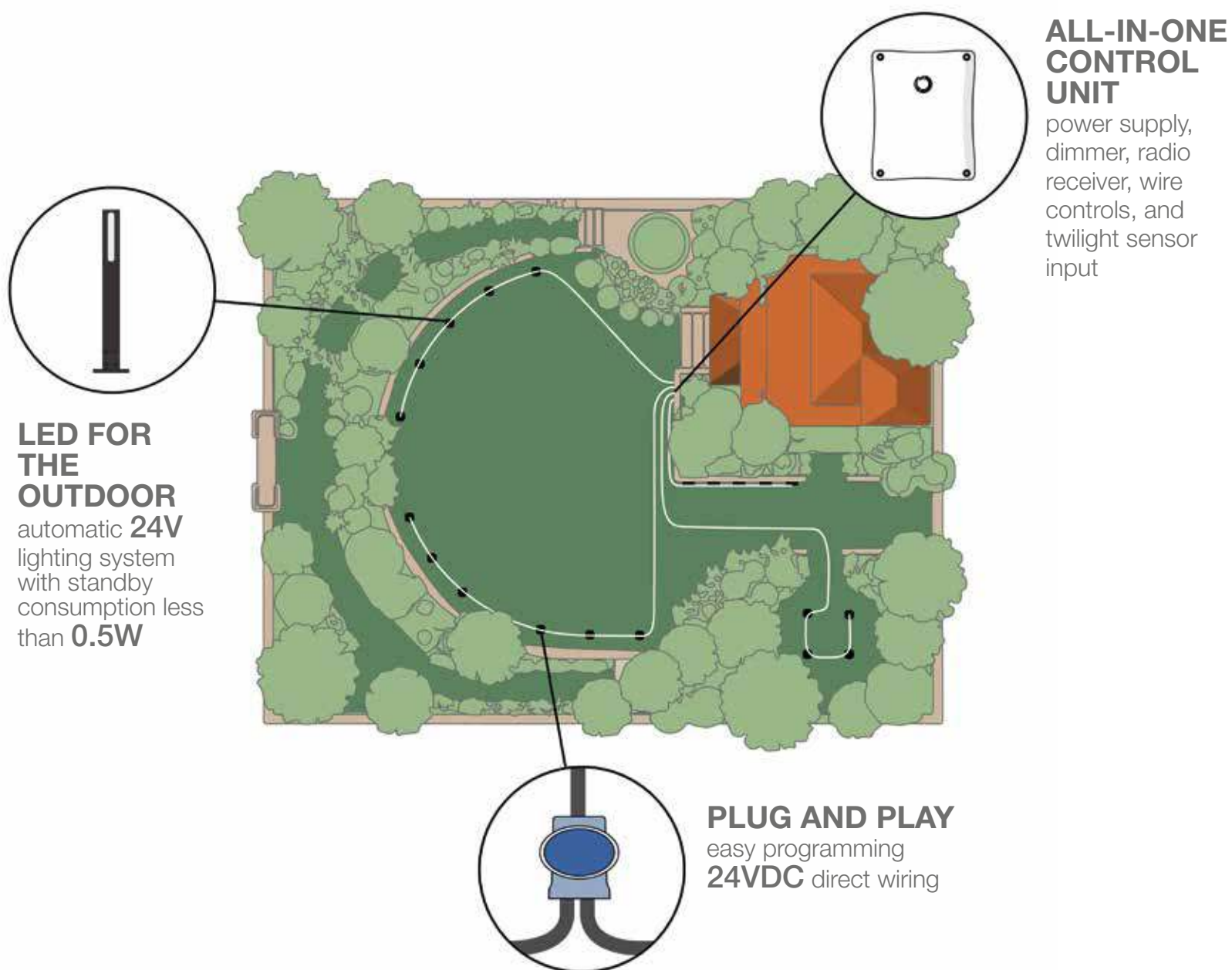


watch the video:



KEY GARDEN

THE SOLUTION TO ILLUMINATE THE EXTERIOR OF YOUR HOME



*Select your
kit and add
your lights*



KBOXLED

4 independent
outputs to control
up to 5 lights each
output **20 lights total***

KBOXLED XL

4 independent
outputs to control
up to 16 lights each
output **64 lights total***

* 1 light = 1 strip from 18 leds. see pag. 12 for more details



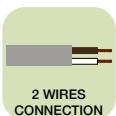
Extra low-voltage **24Vdc** safe wiring



Adjust light brightness with **remote control**



With automatic on/off through **night sensor**

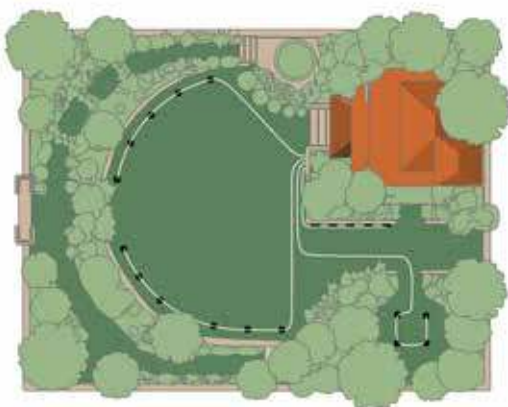


Manage up to **4 independent zones**

DO IT YOURSELF

ALL YOU NEED TO GET STARTED

1 Plan and manage up to 4 independent zones.
pag. 12-13



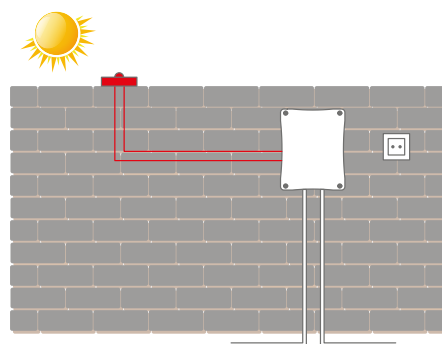
2 Select which BOXLED system according to the quantity of lights needed. pag. 12



8 Lights will turn on automatically at night.
Adjust the light brightness by remote control.



7 Install the BOXLED Boxed control unit and Night Sensor.



3 Choose the Key light styles you prefer.
pag. 14-21



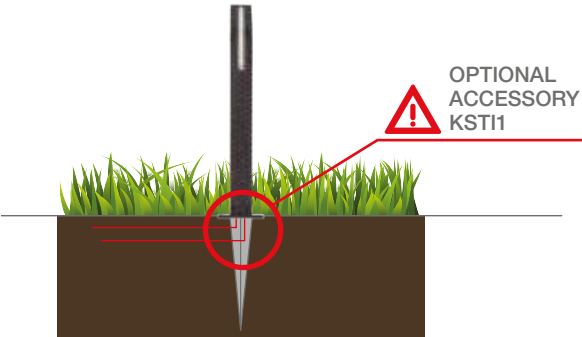
4 Choose the correct wire guage, simply follow
the instruction manual!

LENGTH [m]	NUMBER OF LIGHTS			
	1 - 5	6 - 10	11 - 20	21 - 32
10	2×0,75 mm	2×0,75 mm	2×0,75 mm	2×0,75 mm
15	2×0,75 mm	2×0,75 mm	2×0,75 mm	2×1 mm
25	2×0,75 mm	2×0,75 mm	2×1 mm	2×1,5 mm
50	2×0,75 mm	2×1 mm	2×1,5 mm	2×1,55 mm

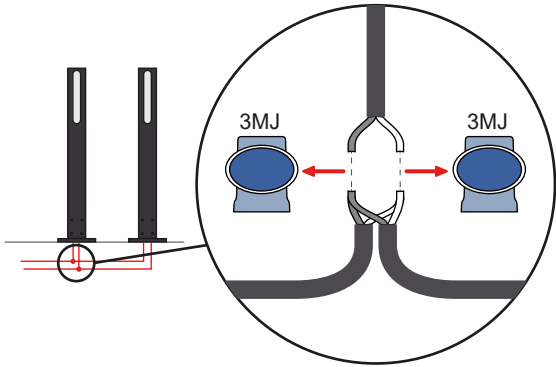
⚠ See instruction manual, download
it at www.keyautomation.it


☐ BOXLED
☒ BOXLED XL

6 The LED lights are easy to install with
optional accessories. pag. 22



5 Connect and insulate the cables with the 3MJ
(optional). pag. 22

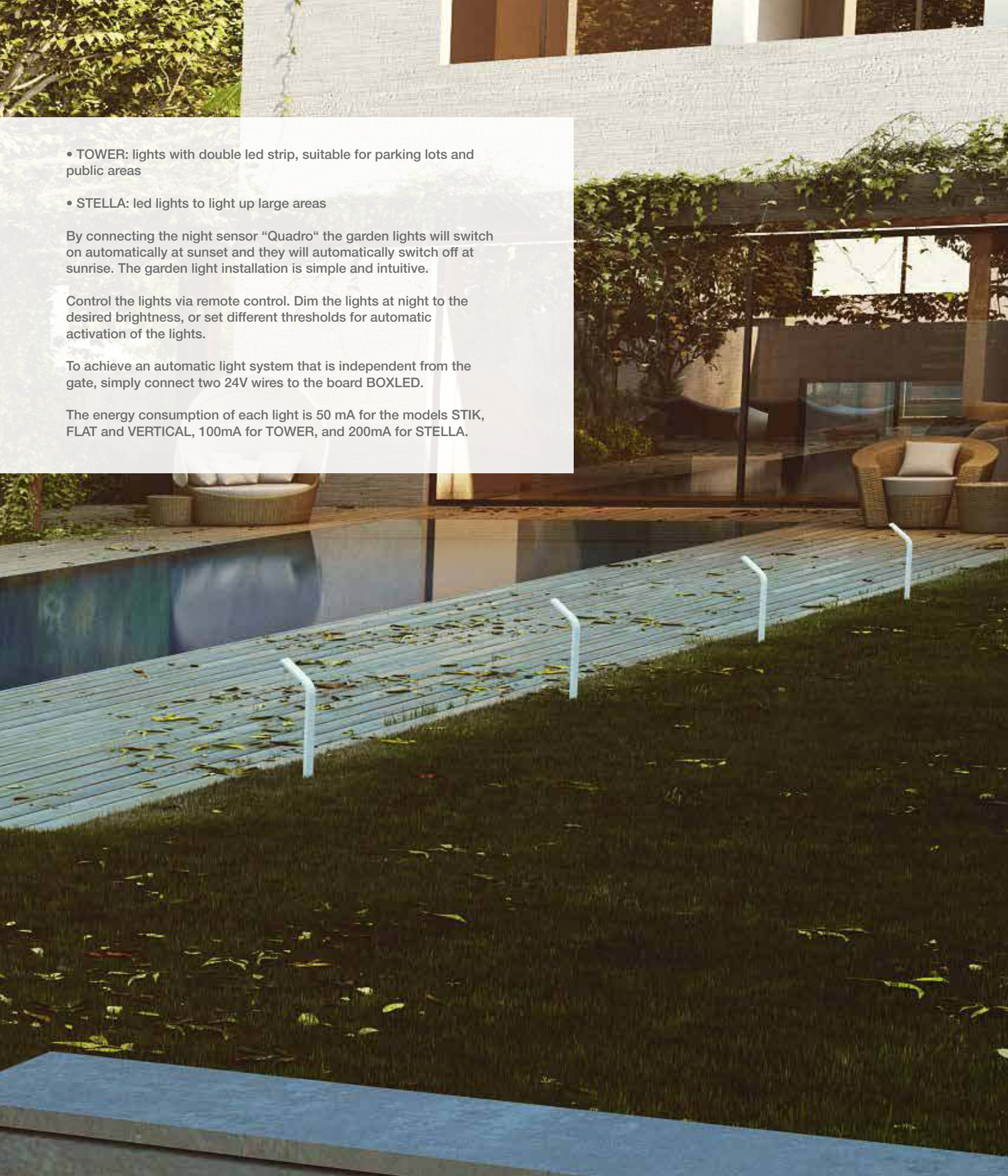




The new Key Garden outdoor led lighting system has been created to illuminate residential and industrial areas in a simple, safe and economic way.

We offer the following models:

- TONDA: Inset light for installations in gardens, hotels and residential areas
- STIK S: garden lights 40 cm, two models, with front or backr light
- STIK M: garden lights 75 cm high with front light
- FLAT: step lights, or for garage doors and pergolas
- VERTICAL: lights for pedestrian or vehicular areas, easily installed on the top of a fence



• TOWER: lights with double led strip, suitable for parking lots and public areas

• STELLA: led lights to light up large areas

By connecting the night sensor “Quadro” the garden lights will switch on automatically at sunset and they will automatically switch off at sunrise. The garden light installation is simple and intuitive.

Control the lights via remote control. Dim the lights at night to the desired brightness, or set different thresholds for automatic activation of the lights.

To achieve an automatic light system that is independent from the gate, simply connect two 24V wires to the board BOXLED.

The energy consumption of each light is 50 mA for the models STIK, FLAT and VERTICAL, 100mA for TOWER, and 200mA for STELLA.

OUTDOOR LIGHTS pag. 14-21



TONDA



FLAT



VERTICAL



STIK S DOWN



STIK S UP



STIK M



STELLA 60



TOWER



STELLA 100

GARDEN BOX

pag. 12-13



BOXLED



QUADRO



PLAY



POWER SUPPLY
CABLE

ACCESSORIES

pag. 22



SUB



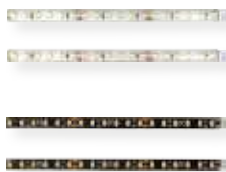
KSTI2



KSTI1



3MJ
CONNECTOR



LED LIGHTS
REPLACEMENT

GARDEN BOX

KIT FOR LED LIGHTS CONTROL



COMPONENTS KIT



ADD YOUR
FAVOURITE
GARDEN LIGHTS!
(NOT INCLUDED)

	BOXLED	QUADRO (1 pc)	KPLAY4R (1 pc)	POWER SUPPLY CABLE (KBOXLED) (1 pc)
KBOXLED	• BOXLED	•	•	•
KBOXLEDXL	• BOXLEDXL	•	•	

PLUS

Designed for the automatic control of LED lights, to illuminate the area around gates, garages, condos and driveways

Output for night sensor QUADRO

Built-in receiver 433 MHz, with up to 30 stored remotes

Status led

Program with buttons or via display DY/DYL or wireless module KUBE

Power supply 90-260 Vac

KBOXLED: 4 independent outputs to control up to 5 lights each (20 lights total)

KBOXLEDXL: 4 independent outputs to control up to 16 lights each (64 lights total)





1 light = 1 strip from 18 leds	
1 STIK S DOWN/STIK S UP/ STIK M/FLAT/VERTICAL	1 LIGHT
1 TOWER / 1 TONDA	2 LIGHTS
1 STELLA	4 LIGHTS

MODELS

CODE	DESCRIPTION
KBOXLED	Key Automation garden light kit 24Vdc, up to 20 lights, with power supply cable (1 pc)
KBOXLEDXL	Key Automation garden light kit XL 24Vdc, up to 64 lights (1 pc)

		KBOXLED	KBOXLEDXL
ELECTRICAL DATA			
power supply	Vac	90 ~ 260 50-60 Hz	90 ~ 260 50-60 Hz
max power	W	25	100
power stand-by	W	<0,5	<0,5
maximum output load	24Vdc	five 18-led lights for each of the 4 outputs / twenty 18-led lights for 1 output	sixteen 18-led lights for each of the 4 outputs / thirty-two 18-led lights for 2 outputs (CH1-CH4)
		25W MAX	CH1=20W (MAX 40W) CH2=20W CH3=20W CH4= 20W (MAX 40W) 80W MAX
GENERIC DATA			
protection degree	IP	54	54
dimensions (L - D - H)	mm	160 - 90 - 200	222 - 110 - 275
operating temperature	°C	-20 + 55	-20 + 55
max. number of transmitters storage		30 transmitters	30 transmitters

ACCESSORIES

			
QUADRO Night sensor	DYL Display module Cable length 120 cm	RX2H Miniaturized control unit	TX2B Recessed transmitter
PC 1	PC 1	PC 1	PC 1

TRANSMITTERS

		
KPLAY4R Pair of trasmitters 4 channels, rolling code	SUB-44WR 4 channels, rolling code, white colour	SUB-44R 4 channels, rolling code, black colour
PC 1	PC 1	PC 1

TONDA

INSET LED LIGHT



PLUS

Inset light for installations in gardens, hotels and residential areas, completely waterproof and insulated

In stainless steel and plastic

DIMENSIONS

11-26Vdc

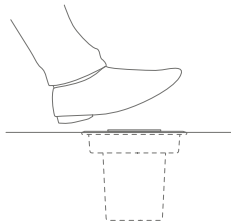
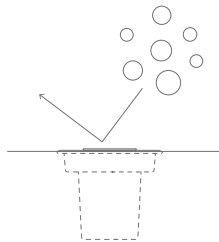
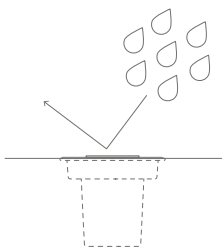
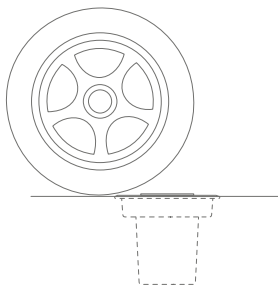
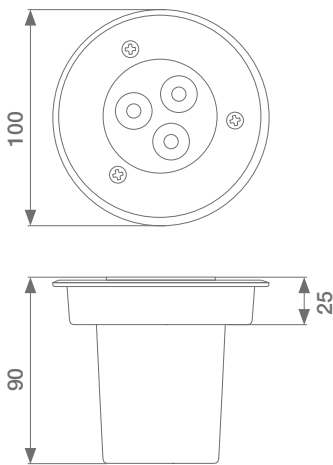
CRI 80

4000K

240lm

IP67

3W



available colours:



STEEL

MODELLI

CODE	DESCRIPTION	WEIGHT
TN103N	Inset LED light	0,27kg

FLAT

LED GARDEN LIGHTS

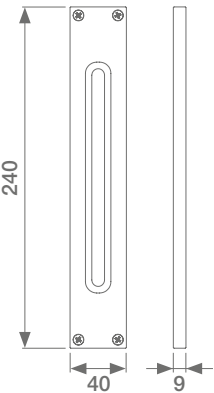


PLUS

Designed for steps, or for garage doors and pergolas

Made of aluminium

DIMENSIONS



24-35Vdc

CRI>70

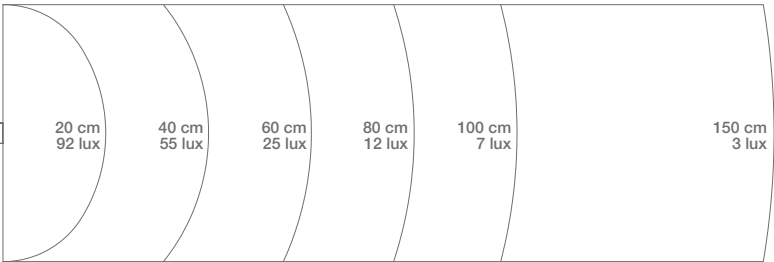
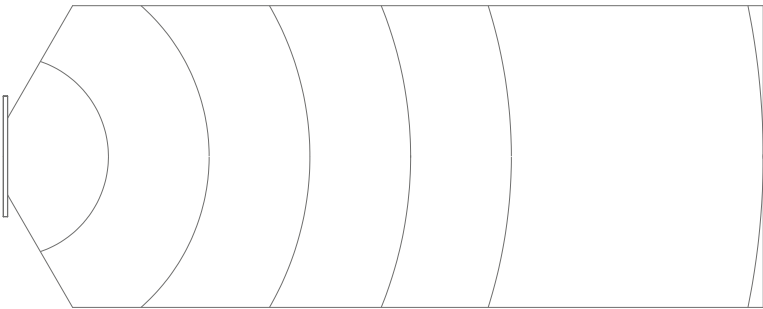
4400K

132lm

IP54

2W

PHOTOMETRIC



available colours:



WHITE RAL9010



BROWN RAL8019



GREY RAL7016

MODELS

CODE	DESCRIPTION	WEIGHT
STIKFW	Led garden light, color WHITE RAL 9010. H= 240 mm	0,90kg
STIKFB	Led garden light, color BROWN RAL 8019. H= 240 mm	0,90kg
STIKFD	Led garden light, color GREY RAL 7016. H= 240 mm	0,90kg

VERTICAL

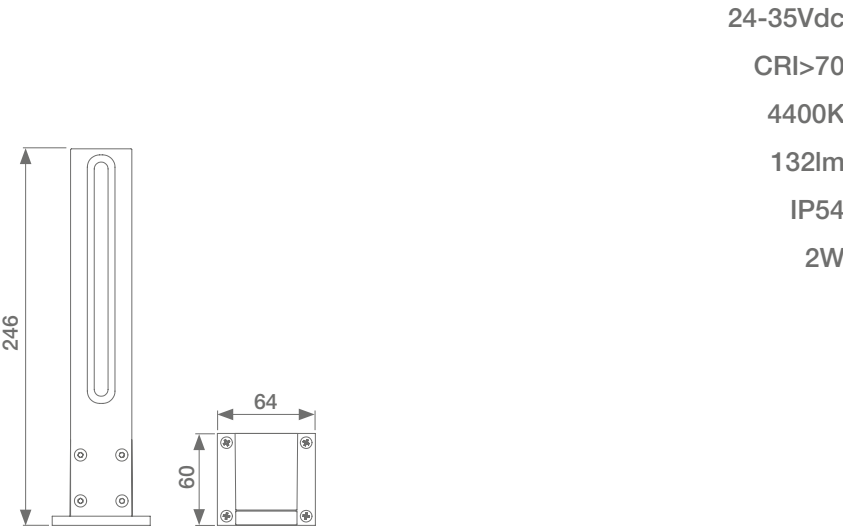
LED GARDEN LIGHTS



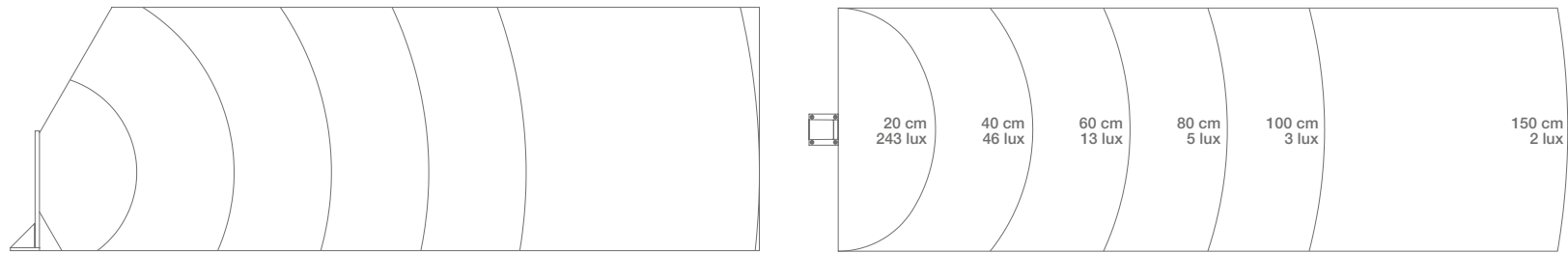
PLUS

Lights for pedestrian or vehicular locations, to be installed on top of a fence
Made of aluminium
Replaceable led

DIMENSIONS



PHOTOMETRIC



available colours:



WHITE RAL9010



BROWN RAL8019



GREY RAL7016

MODELS

CODE	DESCRIPTION	WEIGHT
STIKVW	Led garden light, color WHITE RAL 9010. H= 246 mm	0,90kg
STIKVB	Led garden light, color BROWN RAL 8019. H= 246 mm	0,90kg
STIKVD	Led garden light, color GREY RAL 7016. H= 246 mm	0,90kg

STIK S DOWN

LED GARDEN LIGHTS



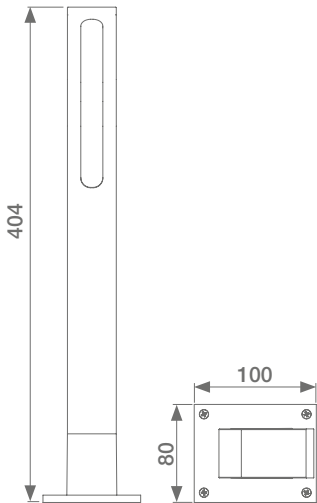
PLUS

Front lit garden lights, height 40 cm

Made of aluminium

Replaceable led

DIMENSIONS



24-35Vdc

CRI>70

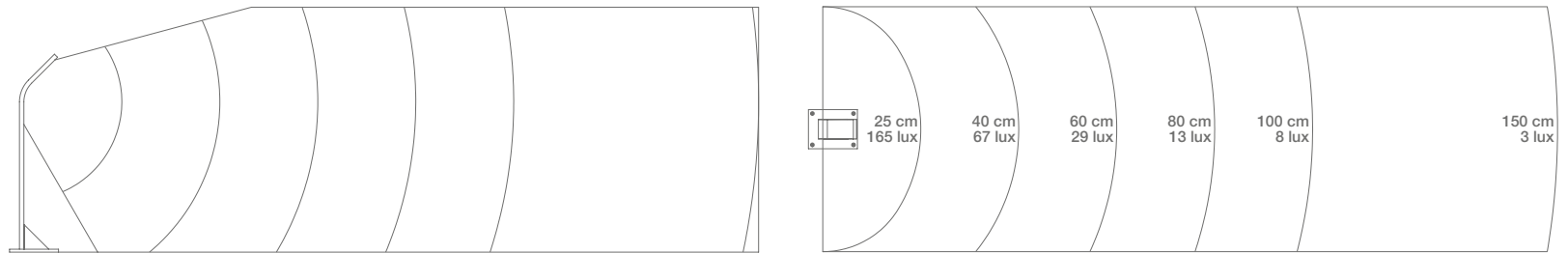
4400K

132lm

IP54

2W

PHOTOMETRIC STIK S DOWN



available colours:



WHITE RAL9010



BROWN RAL8019



GREY RAL7016

MODELS

CODE	DESCRIPTION	WEIGHT
STIKDW	Led garden light, version DOWN, color WHITE RAL 9010. H= 404 mm	0,90kg
STIKDB	Led garden light, version DOWN, color BROWN RAL 8019. H= 404 mm	0,90kg
STIKDD	Led garden light, version DOWN, color GREY RAL 7016. H= 404 mm	0,90kg

STIK S UP

LED GARDEN LIGHTS



PLUS

Back lit garden lights, height 40 cm

Made of aluminium

Replaceable led

DIMENSIONS

24-35Vdc

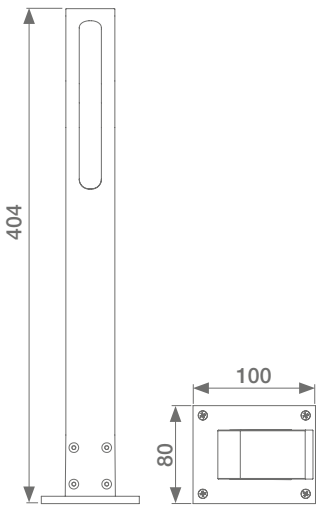
CRI>70

4400K

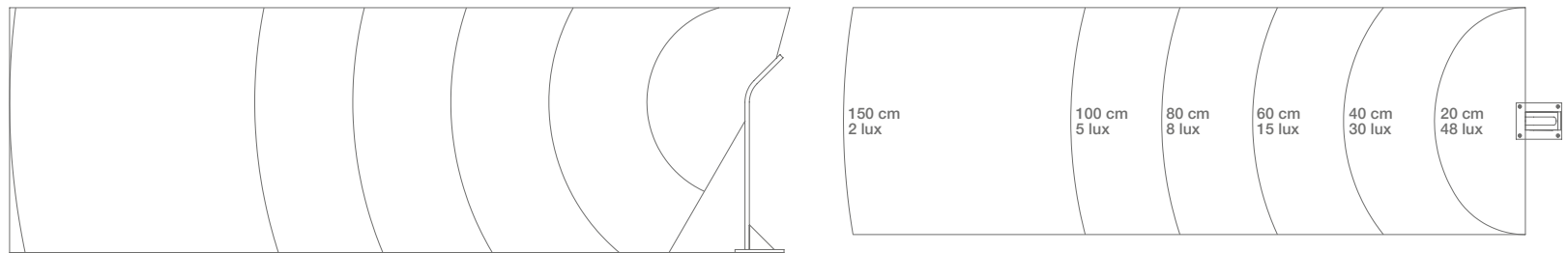
132lm

IP54

2W



PHOTOMETRIC STIK S UP



available colours:



WHITE RAL9010



BROWN RAL8019



GREY RAL7016

MODELS

CODE	DESCRIPTION	WEIGHT
STIKUW	Led garden light, version UP, color WHITE RAL 9010. H= 404 mm	0,90kg
STIKUB	Led garden light, version UP, color BROWN RAL 8019. H= 404 mm	0,90kg
STIKUD	Led garden light, version UP, color GREY RAL 7016. H= 404 mm	0,90kg

STIK M

LED GARDEN LIGHTS



PLUS

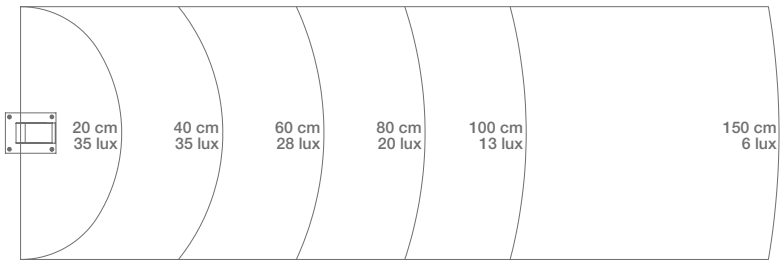
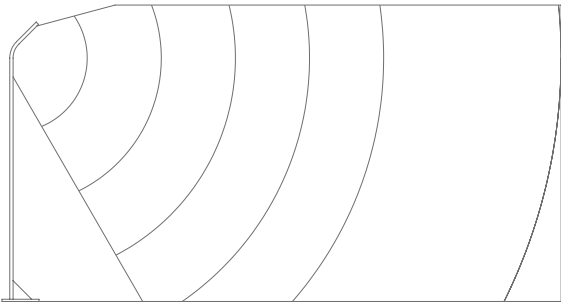
Front lit garden lights, height 75 cm
Made of aluminium
Replaceable led

DIMENSIONS



24-35Vdc
CRI>70
4400K
132lm
IP54
2W

PHOTOMETRIC



available colours:



WHITE RAL9010



BROWN RAL8019



GREY RAL7016

MODELS

CODE	DESCRIPTION	WEIGHT
STIKMW	Led garden light, color WHITE RAL 9010. H= 750 mm	1kg
STIKMB	Led garden light, color BROWN RAL 8019. H= 750 mm	1kg
STIKMD	Led garden light, color GREY RAL 7016. H= 750 mm	1kg

TOWER

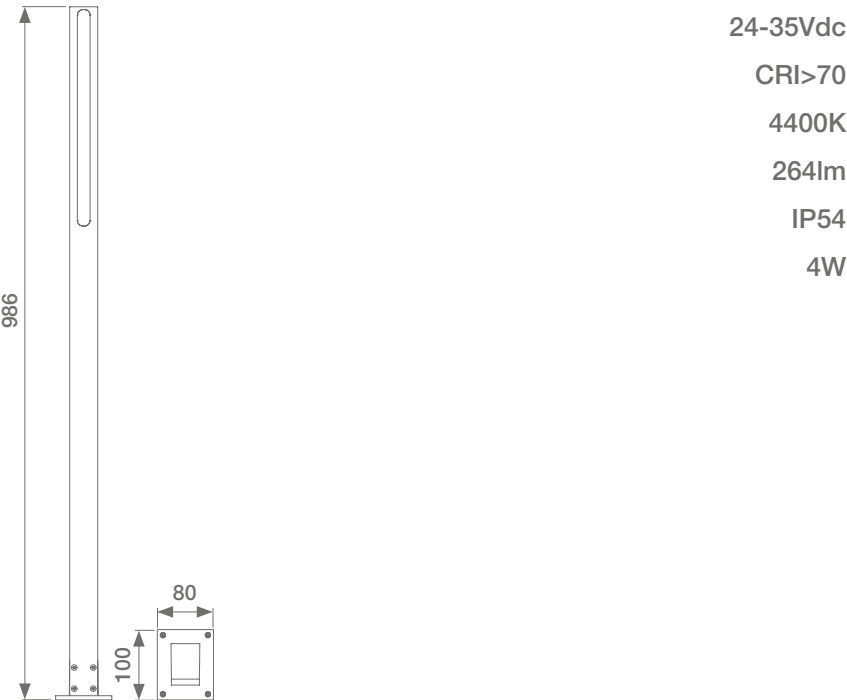
LED GARDEN LIGHTS



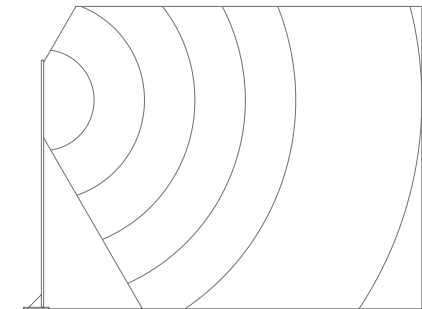
PLUS

Lights with double led strip, designed for parking lots and public areas
Made of aluminium
Replaceable led

DIMENSIONS



PHOTOMETRIC



available colours:



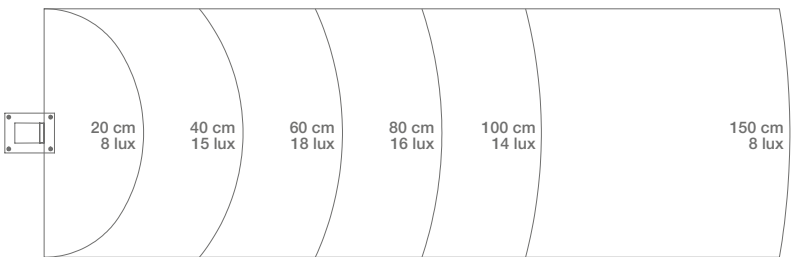
WHITE RAL9010



BROWN RAL8019



GREY RAL7016



MODELS

CODE	DESCRIPTION	WEIGHT
STIKTW	Led garden lights, color WHITE RAL 9010. H= 986 mm	1,4kg
STIKTB	Led garden lights, color BROWN RAL 8019. H= 986 mm	1,4kg
STIKTD	Led garden lights, color GREY RAL 7016. H= 986 mm	1,4kg

STELLA

LED GARDEN LIGHTS

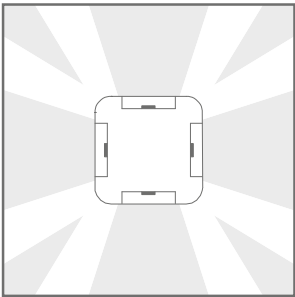


PLUS

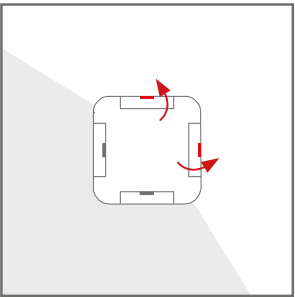
Led lights for large areas
Made of aluminium, H= 600 mm, 986 mm
Replaceable led

LIGHT BEAM CONFIGURABLE AT WILL

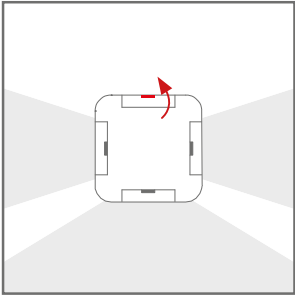
STANDARD



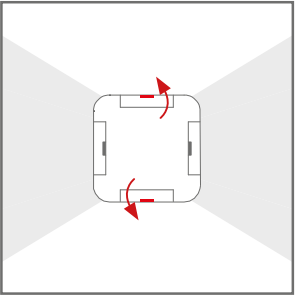
ANGULAR



LINEAR

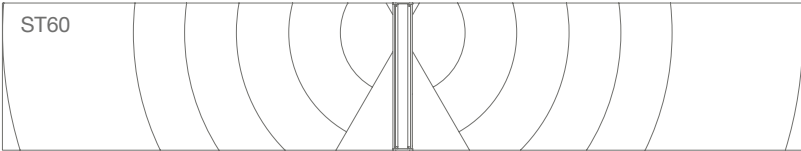
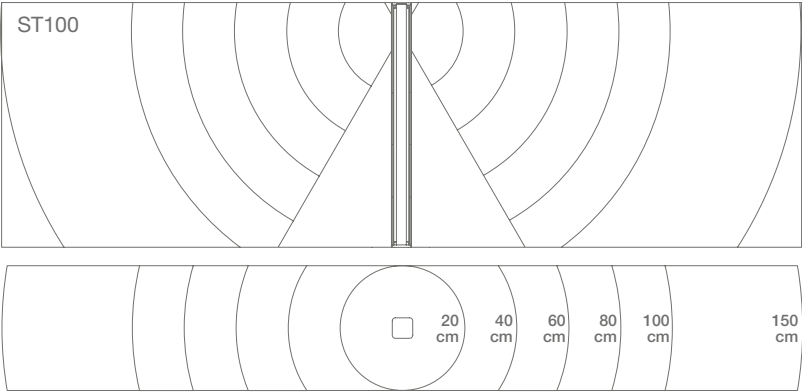


MIRRORED



24-35Vdc
CRI>70
4400K
264lm
IP54
8W

PHOTOMETRIC



STANDARD CONFIGURATION						
	20 cm	40 cm	60 cm	80 cm	100 cm	150 cm
ST60	31,4 lux	29,1 lux	18,7 lux	11,6 lux	7,1 lux	2,8 lux
ST100	5,5 lux	8,2 lux	9 lux	8,4 lux	6,7 lux	3,7 lux

MODELS

CODE	DESCRIPTION	WEIGHT
ST60	Led garden lights, color GREY RAL 7016. H= 600 mm	3,7kg
ST100	Led garden lights, color GREY RAL 7016. H= 986 mm	5,1kg

ACCESSORIES

FLAT



KSTI2
Pair of recessed boxes
PC 1



3MJ
Pre-insulated self-stripping connector (max size 1,5 mm²)
PCS 50

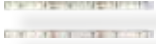
STELLA



STI4
Counter plate gray RAL7016
PC 1



3MJ
Pre-insulated self-stripping connector (max size 1,5 mm²)
PCS 50



999LED
Pair of led lights neutral white (standard)
PC 1



999LEDW
Pair of led lights warm white
PC 1



999LEDB
Pair of led lights neutral white (standard)
PC 1



999LEDBW
Pair of led lights warm white
PC 1

TOWER



KSTI1
Pair of tip for soil fixing
PC 1



3MJ
Pre-insulated self-stripping connector (max size 1,5 mm²)
PCS 50



999LED2
Pair of led lights neutral white (standard)
PC 1



999LEDW2
Pair of led lights warm white
PC 1



999LEDB2
Pair of led lights neutral white (standard)
PC 1



999LEDBW2
Pair of led lights warm white
PC 1



STI3B
Counter plate brown RAL8019
PC 1




STI3D
Counter plate gray RAL7016
PC 1




STI3W
Counter plate white RAL9010
PC 1

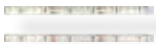
STIK M / STIK S




KSTI1
Pair of tip for soil fixing
PC 1




3MJ
Pre-insulated self-stripping connector (max size 1,5 mm²)
PCS 50



999LED
Pair of led lights neutral white (standard)
PC 1



999LEDW
Pair of led lights warm white
PC 1




999LEDB
Pair of led lights neutral white (standard)
PC 1




999LEDBW
Pair of led lights warm white
PC 1



STI3B
Counter plate brown RAL8019
PC 1



STI3D
Counter plate gray RAL7016
PC 1



STI3W
Counter plate white RAL9010
PC 1

VERTICAL



KSTI1
Pair of tip for soil fixing
PC 1



3MJ
Pre-insulated self-stripping connector (max size 1,5 mm²)
PCS 50



999LED
Pair of led lights neutral white (standard)
PC 1



999LEDW
Pair of led lights warm white
PC 1



999LEDB
Pair of led lights neutral white (standard)
PC 1



999LEDBW
Pair of led lights warm white
PC 1







GENERAL TERMS OF SALE

1. EFFECTIVENESS OF THESE GENERAL CONDITIONS OF SALE

These general conditions of Sale will replace all previous conditions and are applicable to all orders submitted to Key Automation Srl (hereinafter referred to as Key Automation) for products carrying the Key Automation trademark. All sales of goods by Key Automation to its Customers (hereinafter referred to as Customer) shall be governed by the following General Conditions of Sale, which shall constitute an integral part of any agreement for the sale of goods between Key Automation and Customer and shall supersede and cancel any inconsistent covenant or provision contained in the order or other document issued by the Customer. Illustrations, descriptions, values tables and other materials contained in Key Automation catalogues and other printed materials are for the sole purpose of identification and may be modified by Key Automation at any time without prior notice.

2. ORDERS

Any orders shall be deemed as issued “subject to availability of the goods and any alteration of the price lists”. Key Automation reserves the right to accept or reject, in whole or in part, any order submitted by the Customer, on account of their compliance with these General Conditions, and of the availability of the goods order. Key Automation reserves the right to change/modify the technical characteristics of its products at any time and without prior notice or liability. Orders placed by the customer cannot be cancelled by the Customer, either wholly or partially, after ten days of being submitted to Key Automation: if any orders are cancelled after such term, Key Automation shall be entitled to payment of the whole price.

3. PRICES

The goods shall be sold by Key Automation to Customer at the prices set out in the Key Automation price list effective at the time of delivery. The Customer shall unconditionally accept any variation of the price list made between the time of order and the time of delivery. Any new Key Automation price list cancels and substitutes the previous ones. All prices in the Key Automation catalogue are “ex-factory” and before tax.

4. DELIVERY TERMS

All goods shall be delivered “ex-factory” Key Automation S.r.l., via Meucci 30027 San Donà di Piave (Venezia). Except for different written agreement delivery terms are 10 days for National shipment and 30 days for International shipment, a part for products signed on price list with the clock on right part of paper, which have a delivery time of 6 weeks. Delivery terms start from customer acceptance of Key Automation order confirmation. In case of delay of delivery not exceed in customary allowances, the Customer shall not be entitled to claim for termination, in whole or in part, of the agreement, or to refuse to accept delivery of the goods, or to claim compensation for damages. The obligation to deliver the goods shall be fulfilled upon delivery of the goods to the carrier. Key Automation shall be released from the obligation to deliver the goods in any event of “Act of God” or “force majeure”, such as strikes, social and political disorders, unavailability of raw materials, electrical components or other products, and any other events preventing Key Automation from delivering the goods, for which Key Automation.

5. SHIPMENTS

The goods shall be shipped on such carrier(s) as Key Automation may select, and Key Automation shall charge the relevant amount to the Customer including in the relevant invoice. The customer may agree with Key Automation at the time of order, to use a different carrier (always at the customer costs, or to collect the goods directly ex-factory Key Automation S.r.l., San Donà di Piave, Venezia. All risks shall pass to the Customer at the time of delivery. Thefts, losses, damages, shortfalls shall not release the Customer from the obligation to pay the price, if the goods have been duly delivered to the carrier at Key Automation factory. The goods shall not be covered by insurance, unless expressly required by the Customer and at Customer's cost and risk.

6. COLLECTION OF THE GOODS

The Customer shall properly collect the goods as soon as they are put at the Customer's disposal, and communicated to him through telephone, fax or e-mail. In case of delay, Key Automation shall be entitled to full payment of the price and reimbursement for any cost of storage and custody of the goods, saving any compensation for damages. Key Automation shall not be liable in respect of any damage resulting directly or indirectly from the storage of any goods not collected when available at the Key Automation warehouses of the carrier, forwarding agent or third parties.

7. WARRANTY

Our guarantee takes effect from the date of manufacturing, put on each Key's product and it lasts for 30 months. This warranty period is fix and imperative. It is limited exclusively to the repair or replacement free of charge of the parts recognised by Key Automation as faulty due to lack of essential qualities in the material or to errors in workmanship. Any complaints about apparent defects shall be claimed to Key Automation compulsory no later than 8 days after delivery and occult defects within 8 days from discovery. If these terms are not respected the warranty is not be valid. Complaints never allow the order reducing or cancellation from Customer, and moreover never allow Key Automation refund or compensation. All expenses related to delivery and dispatch of complained material are charged to the customer.

Key Automation shall not be responsible for any direct or consequential damage or inquiry caused by installation and use of any equipment. In the event of totally or partially irreparable equipment, Key Automation shall arrange for its replacement in the state in which it is or, upon explicit request of the customer, shall repair the same by replacing the irreparable parts, charging the customer with the whole cost of the new parts supplied. Key Automation shall not be held responsible for defects resulting from connection, combination, or interaction of its products with other products not supplied by Key Automation. Key Automation products can only be used in combination with other Key Automation's products, failing which this warranty will cease to be effective. Key Automation disclaims all liability for defects or damage resulting from failure to comply with its assembly and wiring instructions, or with any electrical codes or other regulations locally in force at the time of installation. Moreover the Manufacturer disclaims all responsibility for defects or damage resulting from improper installation, use or connection of any accessories and or electrical or mechanic components manufactured by Key Automation, including failure to comply with the diagrams and types of connections for which these products have specifically been designed, as well as for the use or application of these products for purposes other than those for which they are intended, in compliance with their specific capacity and range. For products longer covered by this warranty Key Automation shall provide repair services, charging the related costs to the Customer. In case of products that cannot be repaired, Key Automation shall, at its sole discretion, replace them, and charge related costs to the Customer.

8. COMPLAINTS AND RETURNED GOODS

Before sending back any item to Key Automation, a request must be forwarded through the Return Material Authorization (RMA) portal at <http://rma.keyautomation.it> after the approval of the return, you will receive an ID number for the management of the return; if you still do not have an account, create one by clicking on "Register", and provide all the information requested. The registration implies the acceptance of the conditions in all its parts (available at <http://rma.keyautomation.it/ReturnPolicy>)

9. CANCELLATION CLAUSE

If the customer fails to pay the total price of goods or even a part of it by the previously agreed expiration date specified in the invoice, Key Automation will be entitled to cancel the right of goods receipt by the customer, cancel the sale and moreover charge the customer with interests on arrears in equal measure to standard norms and not inferior to current bank interests. Key Automation is also entitled to cancel the sale at any moment by simply forwarding a written notice of cancellation to the customer without the involvement of any juridical court. Goods that have been delivered to customers but not paid completely should be given back to Key Automation on customer's charge. In order to do so, Key Automation and any other entitled third party or carrier are authorized to demand and retire unpaid goods from customer's facility. It is not possible to make any compensation payments between possible credit claims by the customer and its debts with Key Automation unless otherwise agreed by Key Automation and formalised in writing.

10. TRADEMARKS AND DISTINCTIVE MARKS

The customer is aware of the fact that Key Automation products are subjected to both the know-how and design intellectual ownership right which is an exclusive industrial property of Key Automation. Customers shall not violate the rights of Key Automation by removing, covering or in any way changing trademarks, distinctive marks or labels and the like attached to products and shall not apply there on new trademarks, distinctive marks or labels and the like of any kind. Unless written authority is given by Key Automation to the contrary any form of reproduction uses by the Customer of the Key Automation trademark, logos, emblems, symbols and the like attached to or applied on the products is forbidden.

11. RETENTION OF TITLE

Notwithstanding any other provision contained herein, it is acknowledged and agreed that ownership of the goods shall pass to the Customer only upon full payment of the total price; therefore until full payment (including interest) is received by Key Automation, the goods delivered - wherever they may be held and even if they have already been resold by the Customer - shall remain the sole and exclusive property of Key Automation.

Any cheques, bills of Exchange and transfer of credit will count as payment only upon collection. In the event of non - payment, Key Automation shall be entitled to immediate repossession sold products wherever they may be located. The Customer shall disclose the names of any third purchasers of the products, from whom Key Automation shall be entitled to claim and collect them.

12. ITALIAN LAW AND COMPETENT COURT

The place of jurisdiction for any dispute that may rise in relation to the performance of the contract is the Law Court of Venezia (Italy).

13. VARIOUS

At the time of signing the contract or order confirmation, the Customer accepts these general terms. Any modification to the general terms must be signed by Key Automation and stipulated in written form. For sales made in foreign countries, Italian law will be applied.

All information has been listed and carefully checked by Key Automation, but the company declines any kind of responsibility for possible mistakes or omissions.



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