

www.niteko.com

REFERENCE BOOK / 2018

We are a company specialized in the design and manufacturing of LED lighting fixtures with a directional and production base located in Montemesola (TA). Our designers and specialists are constantly working on the research and experimentation of new, technologically advanced and innovatively designed products. The production chain, entirely located on the national territory, allows us to guarantee the delivery of products in a short time.

In this Reference Book we have collected some of the installations in which the light has changed the perception of places and spaces, enhancing the community's enjoyment.

NITEKO

➤ Giving value to products, combining ethics and business, investing in human capital growth by focusing on the development of our territory and respect for the environment.

NITEKO





> **Cycling lane**
Taranto
Viale Magna Grecia
Installed product: URANO

Among the initiatives undertaken by the municipal administration of Taranto for the urban renewal project, the construction of the cycling lane on the section Viale Magna Grecia is particularly important. This project confirms the city's attention for citizens and foresees the construction of benches, sidewalks and cycling lanes, positively impacting the practicability of the route.

An integral part of this project consists of the public lighting system that features **157 Urano floodlights**, highly reliable LED lamps and resistant to different weather conditions.

Thanks to the protective valve and the GORE protective Vents, the Urano floodlight is protected by liquids, dust and by condensation phenomena. In addition, the valve allows a rapid regulation of the pressure within the device.

Thanks to this project, the road is now under a new, efficient, uniform and safe light.





Taranto
Viale Magna Grecia
Installed product: URANO



**Cable-stayed Bridge,
Bari.**
Installed products:
GUIDA / URANO

Our lamps have been used both to illuminate the bridge track and to light the street below. **70 Guida of Eleva series**, in pairs, trace the contour of the arch bridge of Bari, illuminating the light curve that represents the new road of the Apulian capital. The pairs of lamps have the technology to be remotely controlled, a feature that increases their sustainability in terms of consumption but above all environmental.

The seventy eight 134W LED street lighting fixtures of the Guida series allow a power reduction of more than 10kW to allow energy savings of over 50,000 kWh per year, equivalent to about ten thousand euros. Considering that all road vehicles are remotely controlled, one can reduce the power of the lamps, thus increasing the savings. If expecting a power reduction, the annual saving would be 62,000 kWh.



The **30 LED floodlights of the Urano series**, on the other hand, allow a power cut of more than 3 kW compared to traditional technology, allowing for energy savings of more than 14,000 kWh per year, equivalent to about three thousand euros.

Niteko is very attentive to the impact of its products on the environment: not only does LED light save energy and resources, but the use of fully recyclable materials makes its technology totally ecologically sustainable. Finally, choosing our products has been determined not only by the need to reduce light pollution on new plants imposed by current legislation, but above all by their particular design, which is well connected with the modern architecture of the bridge, enhancing its appearance but without being overly present.

We are proud of having contributed with our lamps, designed and made in Apulia, to illuminate the cable-stayed bridge of Bari.

Cable-stayed Bridge,
Bari.
Installed products:
GUIDA / URANO

There is a perfect harmony between the design of the bridge and the essentiality of the lighting fixtures. Telemanagement integrated with video surveillance makes this work hi-tech and totally manageable from distance.

Salvatore Tumolo (E.S.I. Impianti Technical Director)

Liguria Avenue,
Sicilia Square,
Taranto.
Installed product: GUIDA

In 2013 the Taranto public administration decided to improve the quality of the services offered to its citizens by taking important initiatives also regarding the city's public lighting through an urban renewal project.

The objective of the lighting project affecting the urban stretch Liguria Avenue - Magna Grecia Avenue - Sicilia Square was to improve visual comfort by ensuring more safety along the road. So, they chose to use 492 Guida street lighting fixtures that boast a die-cast aluminum body with large cooling fins to guarantee the long life of LED diodes. In addition, the quality of individual light components together with the self-cleaning system efficiency considerably reduces maintenance costs. The Guida lights are a great ally for a public administration that pays attention to the energy saving and the well-being of its citizens.






PIP Area,
Galatina (LE).
Installed product: GUIDA

The town of Galatina (LE) has started an important redevelopment project in the industrial area of the town where more than one hundred companies are based. The local public administration has been particularly mindful of the environmental aspect and has proven to be sensitive to the upgrading process of the territory by choosing **632 Guida street lighting** fixtures. They have definitely improved the street lighting of the interested area in terms of energy saving and lower maintenance costs, thus ensuring a greater safety to the practicability of the area and the companies themselves. Guida represents the ideal product for public administrations who want to invest in quality and long life as well as energy saving.

In fact, its coating is resistant to all adverse weather conditions and is able to cope with phenomena such as corrosion, abrasion, desquamation and salt mist.





The night-time visibility for workers in our industrial area has definitely improved and citizens are no longer afraid to circulate in the area during the evening hours.

Eng. Stefano Franco (Technical Director "Franco Srl")

PIP Area,
Galatina (LE).
Installed product:
GUIDA



➤ **Town of Guagnano
(LE).**
Installed product: GUIDA

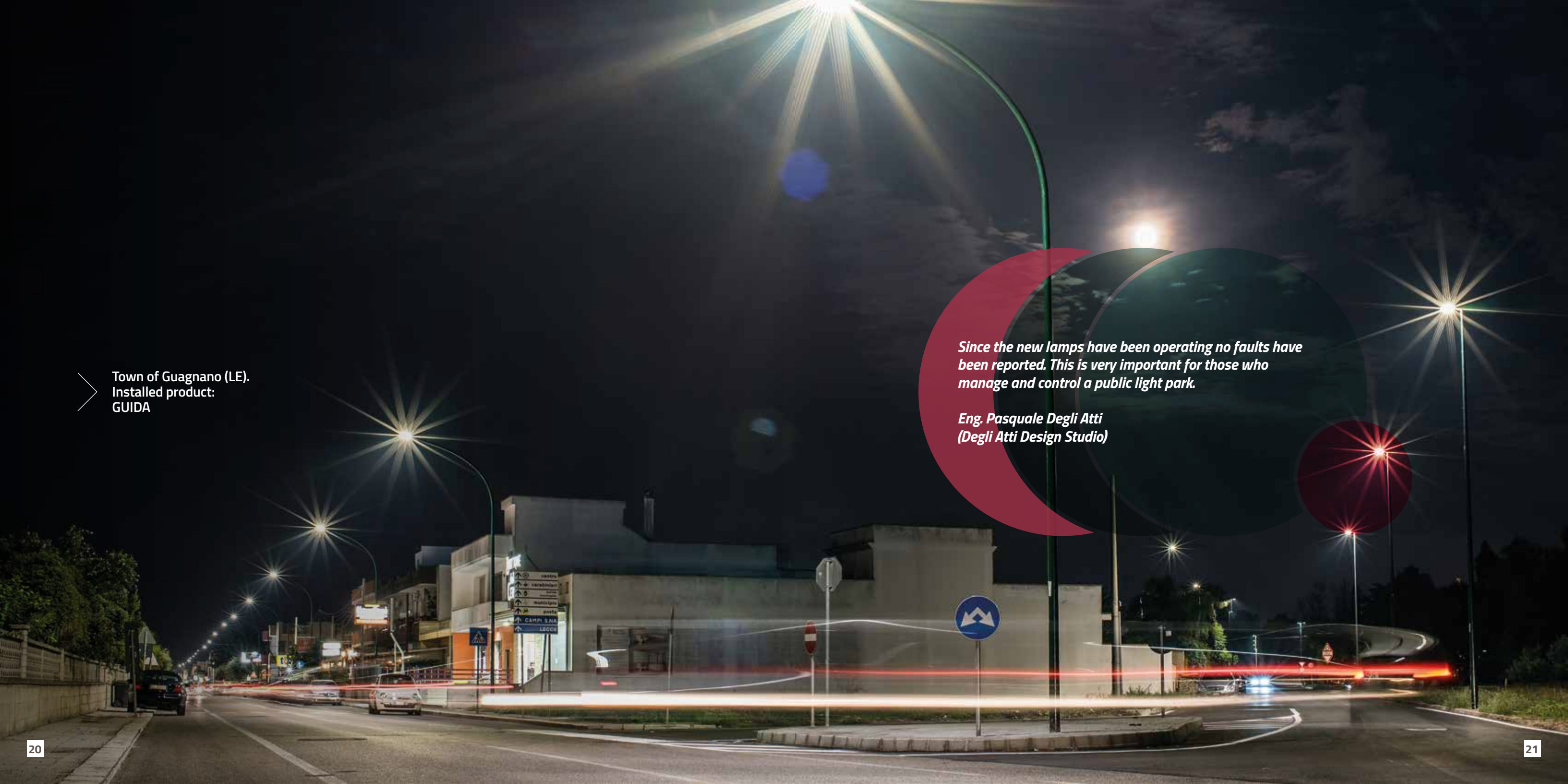
Guagnano, a town of only 5925 inhabitants in the Province of Lecce has proven to keep up with the process of sustainability in terms of public lighting by investing in an ambitious urban renewal project.

Thanks to the use of highly efficient multichip LEDs in combination with secondary high-performance optics, the **1352 Guida street lighting fixtures** installed in the town perfectly respond to the lighting requirements of power in street lighting, thus providing greater safety to citizens and still maintaining a low environmental impact.

Guida is the ideal product for public administrations who want to invest in quality and long life as well as energy saving.

In fact, each lamp has been equipped with an independent luminous flux regulator module PRG integrated. It allows the control and reduction of the luminous flux of the lamp from 10% to 100% of the maximum value without the use of dedicated cables.






Town of Guagnano (LE).
Installed product:
GUIDA

Since the new lamps have been operating no faults have been reported. This is very important for those who manage and control a public light park.

*Eng. Pasquale Degli Atti
(Degli Atti Design Studio)*



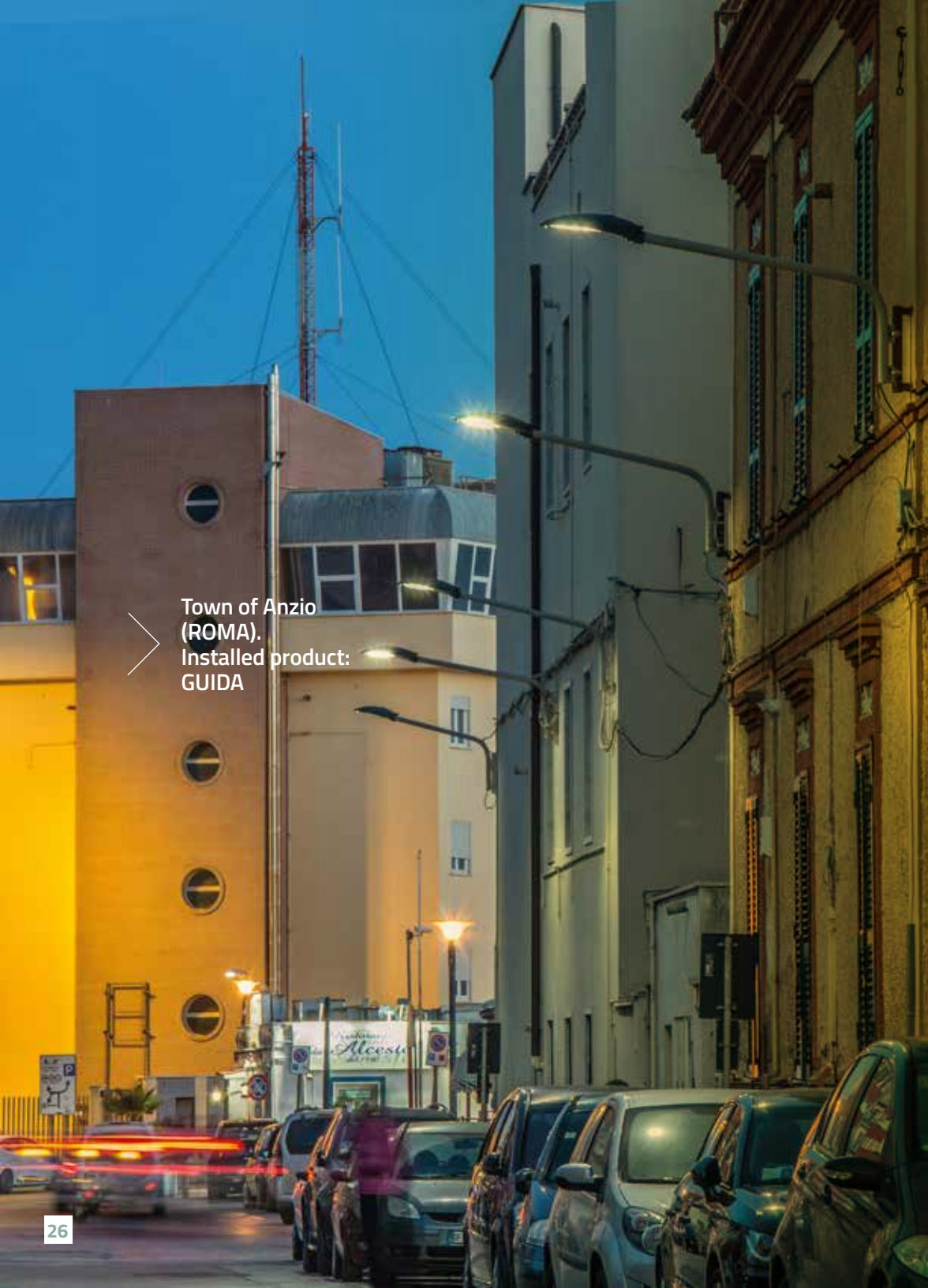
Town of Guagnano (LE).
Installed product:
GUIDA



➤ **Town of Anzio (ROMA).**
Installed product:
GUIDA

Among the initiatives of urban redevelopment, the municipality of Anzio has invested mainly in the LED lighting of some important areas of the cities, including: Mencacci Avenue connecting Anzio to Nettuno, Paolini Avenue which goes from the train station to the center and Porto Neroniano street between the city center and the seaside. The replacement of the previous light points installed with a new LED lighting system aims to ensure greater energy efficiency, better performance and shading, providing citizens with the right visual comfort of urban areas. The project envisaged the installation of **303 Guida S**, ultra-efficient LED street lighting fixtures with a compact and pleasing design in full respect for the surrounding environment. Specifically, the Guida is equipped with an electrical protection system called Advanced EOS Protection System, which allows to have the lowest failure rate across the industry, ensuring maximum reliability and durability.





Town of Anzio
(ROMA).
Installed product:
GUIDA



The new LED lighting at Anzio enhances the urban style of streets Paolini and Mencacci, giving these two streets the class that suits the Art Nuveau style of the buildings present. Road safety has certainly improved.

(Alessandro De Luca, citizen of Anzio)



➤ **Town of Avezzano (AQ).**
Installed product:
GUIDA / VENERE

The town of Avezzano has foreseen many long-term interventions in the conversion of the city's traditional power plant through the use of renewable sources. The urban redevelopment project foresees the replacement of yellow light bulbs with new LED street lighting fixtures, **658 Guida S** and **165 Venere**. In particular, the central area in front of the cathedral of San Bartolomeo, a place of worship especially important for the Martian community, has been greatly enhanced, finding new light and urban security. In addition, the town has experienced substantial energy savings and the benefits in terms of maintenance and management costs ensured by the installation of the new plant. Niteko products offer significant long-term benefits, representing a quality assurance of non-metallic materials and components. The non-metallic materials and components are, from a chemical point of view, fully compatible with LEDs, not releasing VOCs (volatile organic compounds) that affect their performance, stability and color at a constant temperature, resulting in being "VOC FREE".





Town of Avezzano (AQ).
Installed product:
GUIDA / VENERE





**Car Park
Stadio della Vittoria,
Bari.
Installed product: URANO**

The Stadio della Vittoria (also Arena della Vittoria) is a historic sports facility in the city of Bari, located in the Marconi district (Fiera del Levante area), which started an energy requalification project in 2015. Niteko has taken part in the lighting design of the car park with **49 LED Urano** floodlights that offer greater energy efficiency compared to the pre-installed lamps with traditional technology. In particular, it is possible to adjust the luminous flux of the lamp through a voltage variation that happens thanks to the use of the PLV module, which interfaces with the central controller already present in the previous lighting system. The controller allows the variation of the supply voltage of each single phase (at a predetermined or programmed time), resulting in a change of the luminous flux emitted by the lamp and equal to a maximum reduction of 90%.



"This - says the Mayor Paolo Pireddu - will allow us to have big energy savings and better street lighting. Our actions are oriented towards guaranteeing a better future for the new generations, both from an environmental and economic point of view".

(Source: www.unionesarda.it - December, 21st 2017)

Town of Villaurbana (OR). Installed product: GUIDA S

The town of Villaurbana continues its path of energy requalification, already started in 2015 when it was decided to use **304 Guida S street lighting** fixtures in order to reduce light pollution and energy costs. Until now, thanks to the replacements performed in 2017, the Municipality has saved around 15 thousand euros per year and, according to forecasts, it will be able to save up to 30 thousand euros in 2018, as stated by the Mayor Paolo Pireddu.

The most interesting data about the relevant lighting project concerns the selected powers: in fact, the supply features street lighting fixtures with power between 34W and 42W, definitely not usual in outdoor lighting. This confirms the fact that local administrations can meet the lighting needs of a Municipality without necessarily asking for products with high powers.



➤ **Town of Cisternino (BR).**
Installed product:
GUIDA S

With **1150 Guida S street lighting** fixtures Niteko has taken part in the energy renovation project of the Town of Cisternino (BR), one of the most beautiful villages in the historic zone of Itria Valley.

This choice has got a positive impact on citizenship, traffic and the territory, while it has shown how the local public administration is sensitive to environmental issues related to light pollution.

GUIDA is the right choice in terms of safety, excellent visibility and low light pollution. In addition, the exclusive patent of protection against electrical overstress (Advanced EOS Protection System) gives the device maximum resistance and reliability over time.



➤ **Town of Castellana (TA).**
Installed products:
GUIDA S / Urban Kit

With **2400 Guida S street lighting** fixtures, the Municipality of Castellana (TA) responds to the issues of environmental sustainability and light pollution by choosing LED technology with an essential design that perfectly match the architecture of the place, enhancing its appearance and completely respecting the urban design of the area.

Moreover, the local administration, aware of the advantages of LED technology but extremely respectful of the territory, wanted to preserve the historical and cultural value of existing luminaires by choosing 1140 URBAN KITS. With their relamping technology, these devices represent the perfect union between innovation and tradition.

Thanks to SMART control technologies installed on the devices - from point-to-point remote control with conveyed wave technology to the centralized flux regulator in voltage control, and to automatic power control - an efficient but also intelligent intervention has been successfully performed.





Town of Castellana Grotte (TA).
Installed products:
GUIDA S / URBAN KIT





**Menga Petroli
Francavilla Fontana (BR).
Installed products:
URANO / GUIDA /
URBAN KIT**

In order to increase the safety and visual comfort of the petrol station along the extra urban road of Francavilla Fontana, Menga Petroli has decided to invest in an innovative LED lighting project for outdoor lighting so as to make the area more comfortable, safer and more environmentally friendly.

8 Urano floodlights and **21 Guida street lighting fixtures**, both designed for efficient, energy saving street and urban lighting, have been chosen for this project. In addition, the new lighting system has enabled the customer, Menga Petroli, to achieve better year-to-year energy and financial savings of the structure and to reduce maintenance costs thanks to the Niteko lamps. They guarantee a minimum estimated service life of over 80,000 hours.





Menga Petrol
Francavilla Fontana (BR).
Installed products:
URANO / GUIDA / URBAN KIT

Since the new lighting system is present we have considerably reduced the electrical energy consumption and increased the perception of security aside of the service station for visitors.

*Rocco Menga
(AD - Petrolmenga S.r.l.)*



**Coca Cola Plant
San Giorgio
(Taranto)
Installed product: URANO**

In order to increase security and visual comfort, the Coca Cola plant in San Giorgio (Taranto) has decided to invest in an innovative LED outdoor lighting project so as to make the area more comfortable, safer and more environmentally friendly. The **11 Urano floodlights** installed not only enrich aesthetically the facade of the structure through a fair balance of lights and shadows but also ensure a safe use of the spaces.

Besides the excellent lighting performance, the Urano floodlight reaches high energy savings, which is a fundamental aspect for cost management in an energy consuming factory of these characteristics.

The Urano floodlight is certified by the TÜV SÜD brand, a worldwide trusted sign universally known for the products compliance to the international normative standards related to safety, quality, environment and the use of harmful chemical substances.

**Kia Motors
Car dealership,
San Giorgio Ionico (TA).
Installed product: URANO**

The San Giorgio KIA Motors car dealership chose Urano LED floodlights to ensure a secure use of the space and the best shopping experience to their customers.

The 9 Urano U64H highlight and enhance the metallic colours and paintings of the cars as well as greatly improving visual comfort.

The excellent lighting performance of this floodlight perfectly mixes with high energy savings, a key factor in cost management for a business where light plays a decisive role.



Match Point,
Lecce.
Installed product:
URANO

12 Urano floodlights have been installed for the lighting of the tensile tennis sports facility Match Point Sporting Club ASD in Lecce.

The Lecce sports facility aimed at achieving high-quality interior lighting for both players and spectators by replacing previous lamps with efficient LED ones. The new, uniform, efficient and safe LED sports lighting system complies with the industry regulations, ensuring the appropriate visual comfort and an optimum lighting quality.

The 12 Urano floodlights guarantee high-quality lighting, an excellent colour rendering and a perfect fitability to the location thanks to the adjustable stainless steel bracket. This allows the floodlight to be reclinable up to $\pm 90^\circ$ in 5° increments, adjustable on the lateral frames, all made of technopolymer, in order to avoid the galvanic corrosion phenomenon in the coupling between the 2 metals.





**Sporting Club of Marina
di Carrara (MS)
in tensile structure.
Installed product: URANO**

Just as in the game, even in the lighting of sports facilities there are precise rules, based on the respect of regulations and the users of the field, that allow one to guarantee the best experience for both players and spectators.

The **10 Urano M floodlights** perfectly respond to the lighting and performance requirements of the Sporting Club of Marina di Carrara (MS).

Excellent performance and versatility are the main features of the URANO floodlight which, thanks to the availability of 13 different photometric curves, is the ideal product for lighting of indoor and outdoor playgrounds, both amateur and professional.



Italian Embassy,
Belgrade (Serbia).
Installed product:
URANO



Church of Saint Francesco de Geronimo, Grottaglie (TA).
Installed product:
MULTIPLO

The Dome of the Sanctuary of San Francesco de Geronimo in Grottaglie has been the protagonist in a renovation project completed in March 2017.

This has involved different interventions on architectural and lighting aspects of the Dome, so that the use of Niteko **Multiplo LED floodlights** was required.

Nowadays, in addition to offering the opportunity to admire the beauty of the Dome even at night with a low environmental impact, Multiplo floodlights highlight the details and architectural forms of the structure, so creating a perfect balance between aesthetics, performance and reduction of energy consumption. Moreover, they fully satisfy the main goal of architectural lighting, that consists in enhancing the connections between architectural elements and landscape, while respecting the environmental identity.

Compared to other types of lighting, the architectural one goes beyond the compliance with lighting standards and needs, and requires lighting designers to be creative, intuitive and sensitive.

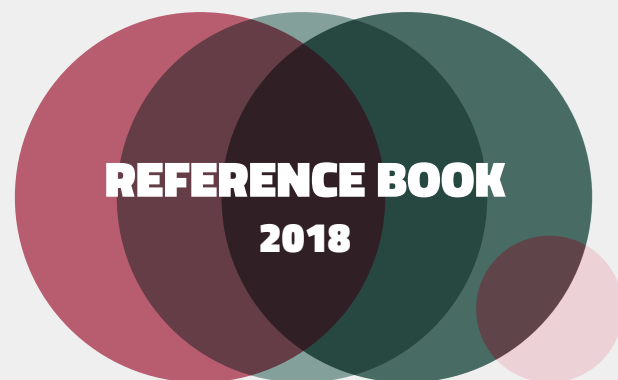


➤ **The Aragonese Castle,
Taranto.
Installed product:
URANO RGB**

Since the foundation of our company, we have always aimed to showing that it is possible to innovate, to develop technology, to do business in Southern Italy as efficiently as in the more traditionally industrialised areas in the north. We have strived to set up a company that, from Apulia can export technology, innovation and culture all over the world.

We wanted to pay homage to our territory by mounting the three-coloured lighting of the Aragonese Castle in Taranto during the procession of Saint Cataldo.

7 Urano RGB lighting fixtures were designed, produced and then used precisely to enhance the historical architecture and the valuable buildings. Even though the choice of colour represents the national Italian flag and was reproduced in agreement with the Italian Navy, our luminaries can reproduce any type of color. Our project also wanted to be a sign of positivity and redemption, a demonstration that it is possible, through attention to beauty, to enhance positive encounters and synergies. Our company is appreciated all over Europe for its ability to combine technical know-how with artistic value, as well as to meet the needs of even the smallest of customers, combining an attention to the typical product of the best craftsmen, with the possibilities offered by the industrialization of the production process. We aim to go a long way, taking one step at the time.



www.niteko.com



NITEKO S.r.l.

P.I.P. Area / Viale delle Imprese, 3
74020 Montemesola (TA) / ITALY
Ph. [+39] 099 567 1219
Fax [+39] 099 567 1112

www.niteko.com / info@niteko.com