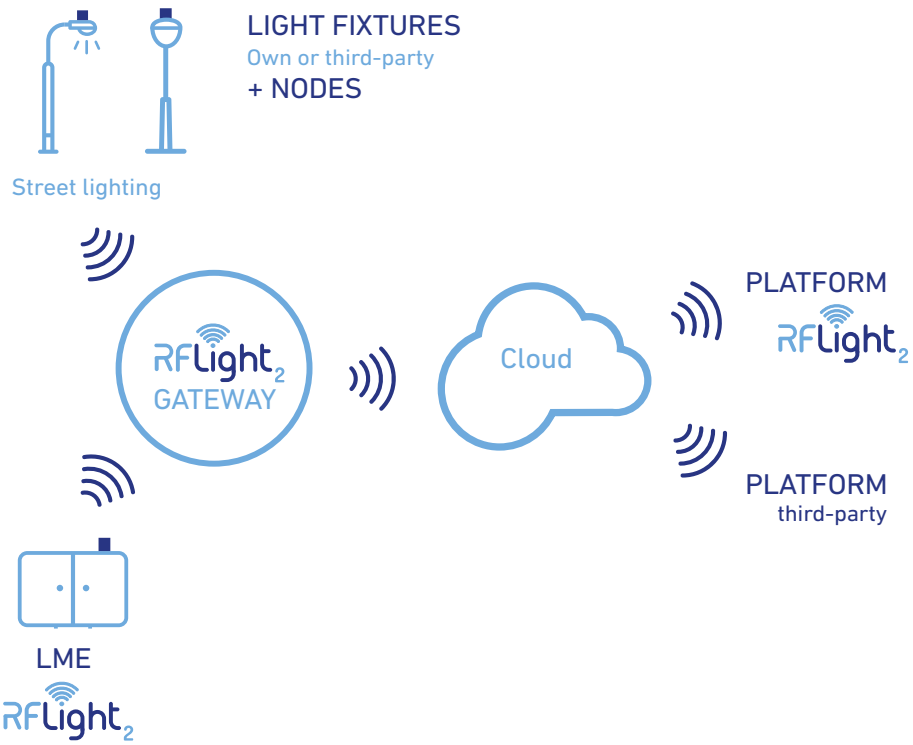

RFLIGHT2 A different city
RFLight2
INTEGRATED MANAGEMENT OF STREET LIGHTING
REMOTE MANAGEMENT OF LIGHTING AND CONTROL CENTRES - WEB PLATFORM

HISPALED's **RFLight$_2$** is one of the most advanced remote management systems for street lighting on the market. RFLight$_2$ Web allows both the luminaires and the control centres of any installation to be managed via a simple and intuitive interface. This ensures that resources are utilised to the full in an efficient manner, maintenance costs are reduced, and a higher quality of lighting is guaranteed across the municipality, with individualised control of light points and electrical panels.

RFLIGHT$_2$ SYSTEM

> RFLight$_2$ Node **Lighting Fixture Nodes**
> LME RFLight$_2$ **Lighting Management Equipment (LME)**
> RFLight$_2$ Gateway **Gateway**
> RFLight$_2$ Geo **Installation and Inventory App**
> RFLight$_2$ Web **Lighting Management Web Platform**

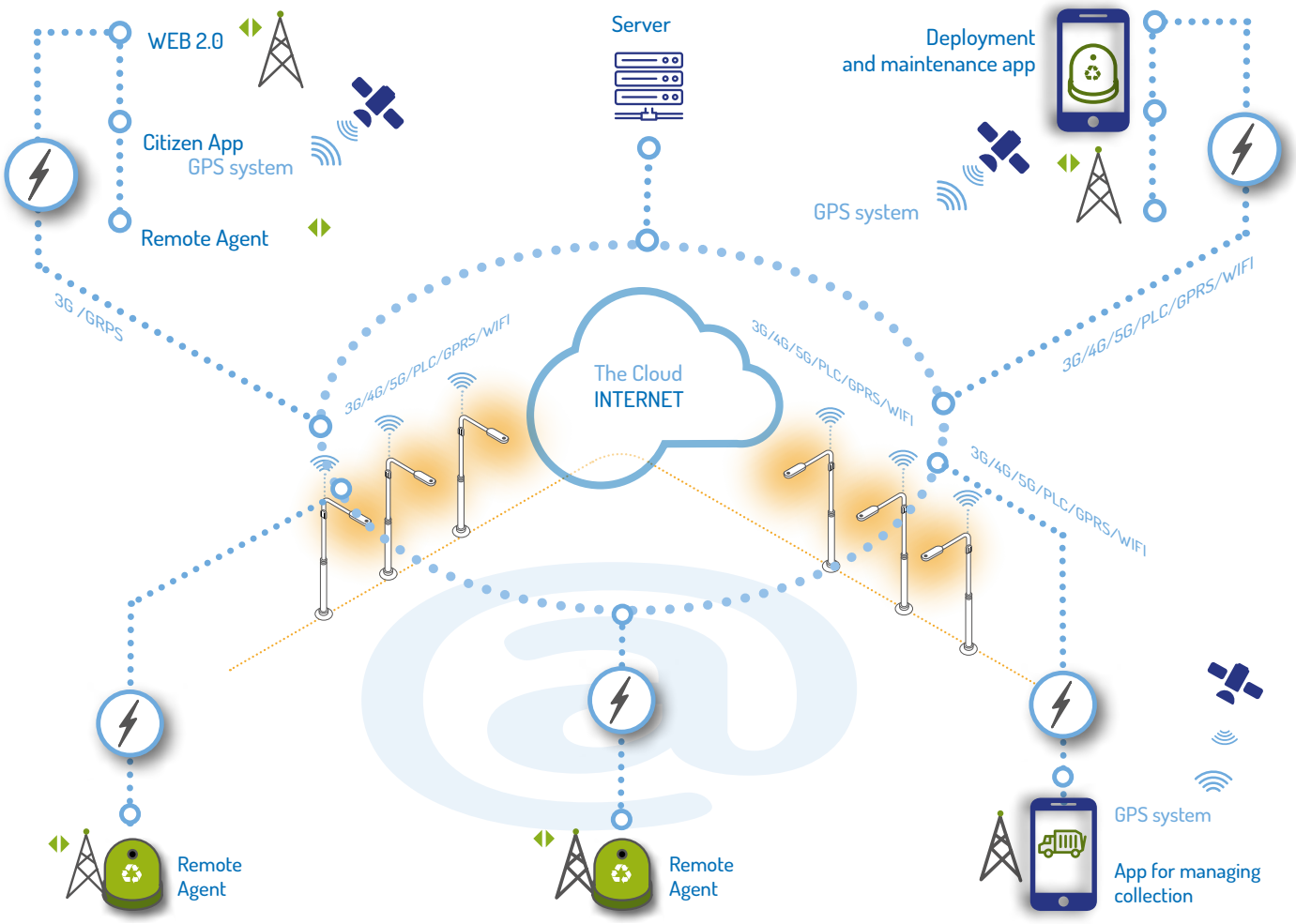
RFLIGHT$_2$ ARCHITECTURE



RFLight$_2$ enables remote management of lighting fixtures from both HISPALED and other manufacturers. Our open system can be integrated into any web-based lighting management platform.

RFLight$_2$ enables remote management of control centres and luminaires, both from **HISPALED** and other manufacturers, and integrates with any web platform – whether proprietary or third-party – from which users can operate lighting panels and individual luminaires, report data, and manage and control the entire lighting system.

" **RFLIGHT$_2$** THIS IS HISPALED'S CONNECTIVITY SOLUTION FOR THE REMOTE CONTROL AND OPTIMISATION OF LIGHTING NETWORKS VIA POINT-TO-POINT REMOTE MANAGEMENT. "



The mesh network formed by the streetlights serves as a communications platform for use in other public services such as: refuse collection, air quality monitoring stations, irrigation systems for parks and gardens, CCTV cameras, car park management, etc.

The streetlights form a communications network in which each streetlight acts as a node. Each of these nodes is capable of sending or receiving information to or from any other node.

RFLight$_2$

RFLIGHT$_2$ NODES

Hispaled Zhaga RFLight$_2$ Node

RFLight$_2$ Street Lighting
Murcia. Murcia City Council

TECHNICAL SPECIFICATIONS OF THE RFLIGHT$_2$ NODES:

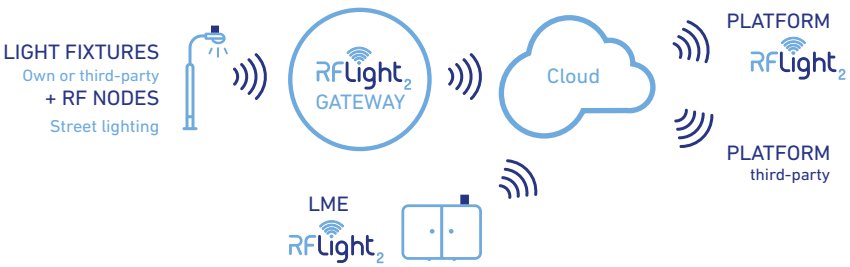
Hispaled's RFLight$_2$ nodes for street lighting incorporate the very latest communications technologies: radio frequency, narrowband, 3G/4G, PLC, etc., enabling us to adapt to any technical solution required by the local authority.

Depending on their CONNECTIVITY, we distinguish between two types of Hispaled RFLight$_2$ nodes:

CONNECTIVITY TYPOLOGY FOR RFLIGHT$_2$ NODES

NARROW BAND NODES

RADIO FREQUENCY NODES (LoRa)



The streetlights form a communications network in which each streetlight acts as a node. Each of these nodes is capable of sending or receiving information to or from any other node.

Working in the cloud offers key advantages: automatic scalability, greater availability and reduced infrastructure costs. It also ensures robust security, regular updates and global accessibility. This enables systems to be flexible and efficient, adapting to market demands without the need for hardware modifications.

ARCHITECTURE

Remote management of streetlights via nodes is an advanced technology that enables the remote control, supervision, monitoring and management of public lighting systems. Using radio frequency nodes, such as those based on LoRa (Long Range) and NarrowBand-IoT (NB-IoT) technologies, it is possible to control each streetlight efficiently and in real time.

This approach not only improves energy efficiency and reduces operating costs, but also facilitates the implementation of smart solutions in the context of smart cities.

CONNECTIVITY TYPOLOGY FOR RFLIGHT2 NODES

NARROW BAND NODES

A NarrowBand-IoT node is a radio frequency device designed to operate on cellular networks specifically for IoT applications. NB-IoT technology uses a narrow band of licensed spectrum, ensuring a secure and reliable connection with excellent coverage even in underground or hard-to-reach areas.

NB-IoT nodes are optimised for low power consumption and are ideal for applications requiring infrequent but reliable data transmission, such as the monitoring of critical infrastructure, including lighting points in a public lighting system.

RADIO FREQUENCY NODES (LoRa)

Remote management of streetlights via nodes is an advanced technology that enables the control, supervision, monitoring and remote management of public lighting systems. Using radio frequency nodes, such as those based on LoRa (Long Range) and NarrowBand-IoT (NB-IoT) technologies, it is possible to monitor and control each streetlight efficiently and in real time.

This approach not only improves energy efficiency and reduces operating costs, but also facilitates the implementation of smart solutions in the context of smart cities.

Both LoRa and Narrowband-IoT offer efficient solutions for IoT connectivity, each with specific advantages depending on the project's requirements. LoRa excels in terms of range and energy efficiency for rural environments, whilst Narrowband-IoT offers robust coverage in urban areas. The right choice depends on striking a balance between range, energy consumption and communication volume.

NODES THAT CAN BE INTEGRATED INTO ANY LIGHTING SYSTEM

NEMA

EXTERNAL NODE

The RFLight$_2$ NEMA external node is available in 5-pin and 7-pin versions. This device complies with the ANSI C136.41 standard and is widely accepted due to its compatibility with photocell-type dimmers, which have been in widespread use around the world for decades. This makes it one of the most common formats currently available.

ZHAGA

EXTERNAL NODE

The RFLight$_2$ ZHAGA external node, as specified in Book 18, is the most up-to-date compatible format on the market, and is arguably the most widely used in newly manufactured luminaires, owing to its simplicity and its design specifically tailored for the control of lighting equipment.

BOX

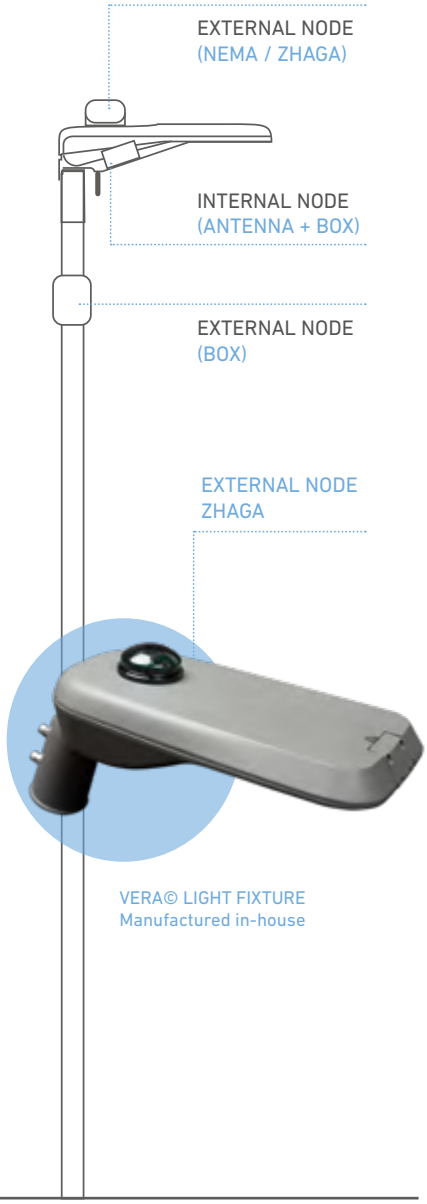
EXTERNAL NODE

The RFLight$_2$ external node in a box format can be installed in any standard luminaire. It is mounted on the luminaire bracket and allows the power supply to be routed inside the luminaire, even if the luminaire does not have a NEMA or ZHAGA socket.

INTERNAL NODE

The RFlight$_2$ internal node is the compact version designed to be installed inside the luminaire. It is powered directly by a 12–24 V DC supply.
As this is a radio system, an antenna must be installed on the luminaire.

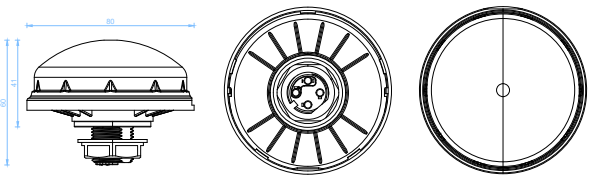
INTEGRATION OF THE NODES INTO THE LIGHT FIXTURES

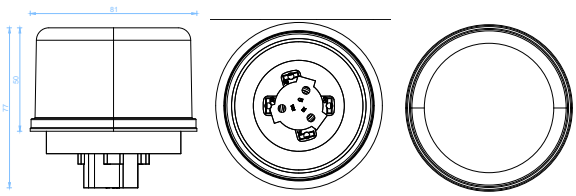


VERA© LIGHT FIXTURE
Manufactured in-house

RADIO FREQUENCY LoRa

POINT-TO-POINT REMOTE MANAGEMENT NODE FOR OUTDOOR LIGHTING FIXTURES





ZHAGA NODE

NEMA NODE

Sports areas

Lighting of monuments

Stations and car parks

Tunnels

Logistics hubs and industrial estates

Parks, and monumental sites

HISPALED 3/5 WARRANTY YEA

ADVANTAGES

√ ENERGY EFFICIENCY

By enabling individual control of each light point, remote management systems reduce energy consumption by adapting the lighting to actual needs.

√ REDUCTION IN OPERATING COSTS

The ability to monitor the status of each light point in real time reduces the need for preventive maintenance and facilitates the detection and repair of faults, thereby lowering operating and maintenance costs.

√ FLEXIBILITY AND SCALABILITY

The implementation of LoRa and NB-IoT nodes allows the system to be scaled easily, by adding new light points or integrating other IoT applications into the same communication infrastructure.

√ IMPROVED SAFETY AND SERVICE QUALITY

With remote management, it is possible to ensure adequate lighting at all times, improving public safety and the quality of service provided to citizens.

√ MONITORIZACIÓN Y ANÁLISIS DE DATOS

These systems enable the collection of operational data that can be analysed to optimise the performance of the lighting system, identify consumption patterns and anticipate future needs.

STREET LIGHTING CONTROLLER WITH LORA PROTOCOL AND ZHAGA AND NEMA CONNECTIONS FOR DALI2 / D4i / 1-10V LUMINAIRES

Daily programming of lighting curves
Configurable up to 32 annual programmes
Curves with up to 5 steps
Individual control of light points
Remote monitoring of DALI2 / D4i driver electrical parameters (luminaire power, line voltage , current, energy consumption, power factor, active power, luminaire operating time counter)
Standalone operation with high-precision internal RTC
Standard, open communication protocol based on LwM2M / MQTT
Alarm monitoring on DALI2 / D4i models: • Voltage thresholds • Current thresholds • Detection of faults in the DALI2 / D4i driver or the luminaire • Detection of device faults
Plug&Play

TECHNICAL SPECIFICATIONS

CONNECTIVITY
- Mesh network communication using LoRa technology
- Multi-band. Global coverage

AUTOMATIC GPS POSITIONING
- GPS sensor (optional)
- Integrated antenna
- Supports Glonass, BeiDou, Galileo and QZSS

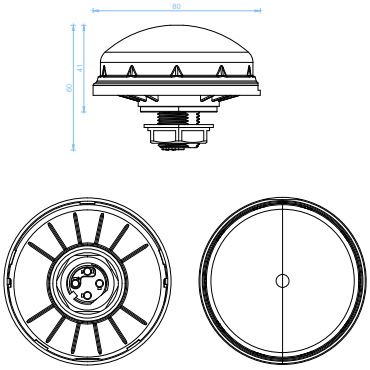
INTEGRATION WITH CLOUD PLATFORM
- Requires an open gateway for communication with the cloud
- Integrated with Hispaled's RfLight2 platform
- On request, integration with other platforms is possible (AWS IoT, Azure, FIWARE...)

OTRAS CARACTERÍSTICAS
- Supply voltage:
  - Zhaga: 24 V DC
  - NEMA: 220 V AC
- Standby power consumption: 0.5 W
- Maximum power consumption: 3 W
- Power consumption: 0.5W @ 24V (3W max)
- Remote firmware update (OTA)
- Operating temperature range: -20°C to +75°C
- Protection rating: IP66 IK09
- Assembly: NEMA / Zhaga Book 18

CERTIFICATIONS
- CE, RoHS

NARROW BAND IoT

HIGH-QUALITY LIGHTING CONTROLLER FOR OUTDOOR LIGHTING



ZHAGA NODE

- Sports areas
- Lighting of monuments
- Stations and car parks
- Tunnels
- Logistics hubs and industrial estates
- Parks, and monumental sites

HISPALED 3/5 WARRANTY YEA

ADVANTAGES

√ ENERGY EFFICIENCY

By enabling individual control of each light point, remote management systems reduce energy consumption by adapting the lighting to actual needs.

√ REDUCTION IN OPERATING COSTS

The ability to monitor the status of each light point in real time reduces the need for preventive maintenance and facilitates the detection and repair of faults, thereby lowering operating and maintenance costs.

√ FLEXIBILITY AND SCALABILITY

The implementation of LoRa and NB-IoT nodes allows the system to be scaled easily, by adding new light points or integrating other IoT applications into the same communication infrastructure.

√ IMPROVED SAFETY AND SERVICE QUALITY

With remote management, it is possible to ensure adequate lighting at all times, improving public safety and the quality of service provided to citizens.

√ DATA MONITORING AND ANALYSIS

These systems enable the collection of operational data that can be analysed to optimise the performance of the lighting system, identify consumption patterns and anticipate future needs.

STREET LIGHTING CONTROLLER WITH NB-IoT OR LTE PROTOCOLS AND ZHAGA CONNECTIVITY FOR DALI2 / D4I LUMINAIRES

Management of multiple DALI2 drivers using the same wireless controller
Daily programming of lighting curves
Configurable with up to 16 annual programmes
Curves with up to 5 steps
Individual control of light points
Remote monitoring of the DALI2 driver's electrical parameters (luminaire power, line voltage, current, energy consumption, power factor, active power, luminaire operating time counter)
Standalone operation with high-precision internal RTC
Standard, open communication protocol based on LwM2M
Alarm monitoring: **• voltage thresholds** **• current thresholds** **• detection of DALI2 driver or luminaire faults** **• device fault detection**
Plug&Play. No additional gateways required
Real-time operation and control

TECHNICAL SPECIFICATIONS

IoT CONNECTIVITY

- GSM communication using the NB-IoT protocol (LTE Cat. NB1/2) or LTE Cat. M1
- Multi-band. Global coverage.
- Integrated antenna
- Traditional SIM or eSIM
  - 4FF or MFF2 format with eUICC
- Management of the network operator profile to be used (*)
  (*) Requires a model with eSIM and operator support to enable management under the BIP protocol.

AUTOMATIC GPS POSITIONING

- GPS sensor (optional)
- Integrated antenna
- Supports Glonass, BeiDou, Galileo and QZSS

INTEGRATION WITH CLOUD PLATFORM

- LwM2M protocol to minimise data consumption over the GSM network, in accordance with the OMA SpecWorks LightweightM2M specification.
- Integrated with Hispaled's RfLight2 platform
- On request, possibility of integration with other platforms (AWS IoT, Azure, FIWARE...)

OTHER FEATURES

- Supply voltage: 24V (17V to 28V)
- Power consumption: 0.5W @ 24V (3W max)
- Remote firmware update (OTA)
- Operating temperature range: -20°C to +75°C
- Protection rating: IP66 IK09
- Dimensions: 80x60
- Form factor: Zhaga Book 18

CERTIFICATIONS

- CE, RoHS
- Modem certified by various companies in Europe, America and China

LIGHTING MANAGEMENT EQUIPMENT (LME)

TECHNICAL SPECIFICATIONS OF THE RFLIGHT$_2$ LIGHTING MANAGEMENT EQUIPMENT (LME):

The RFLight$_2$ Lighting Management Equipment (LME) is an advanced management and control solution designed to effectively monitor and operate lighting systems in urban, suburban and rural environments.

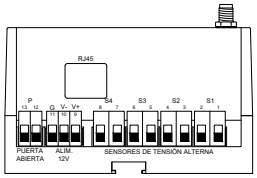
This equipment enables the remote monitoring and control of electrical lines and circuits using various technologies, such as GPRS, Wi-Fi, Ethernet and Bluetooth, thereby ensuring the efficient management of street lighting. Furthermore, it is capable of managing lines and circuits intelligently, taking proactive action based on usage patterns, weather conditions or pre-scheduled events.

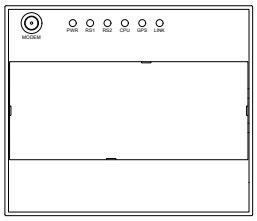
It provides advanced data analysis tools that enable the identification of trends, consumption patterns and areas for improvement within the street lighting system.

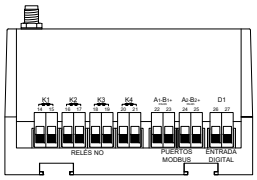
Finally, it contributes to energy savings and efficiency by enabling the scheduling of automatic switching on and off, as well as the adjustment of light intensity according to actual lighting requirements.

HARDWARE

- 4 AC voltage sensors
- 4 NO relay outputs
- 2 digital inputs
- 2 RS485 communication ports
- 1 RJ45 Ethernet port
- 1 female SMA port
  - Connectivity via:
    - Ethernet – 100 Mbps
    - WiFi 4 – 600 Mbps – 2,4/5 GHz
    - Bluetooth 5.2 – 50Mbps – 2,4GHz
    - GPRS/3G/4G/NB/CAT-M – 900/1.800 MHz
- Direct-reading network analyser (up to 65 A) and direct measurement via current transformers
- 12V DC power supply

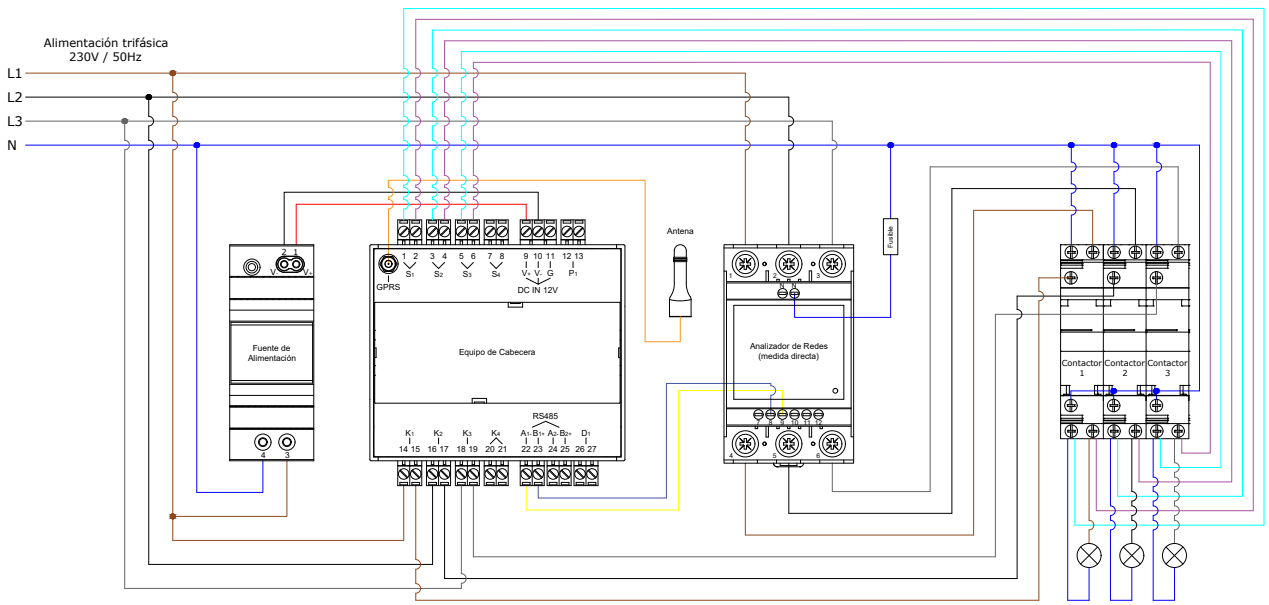






WIRING DIAGRAMS

Lighting Management System (LMS) + Power Supply + Network Analyser + Contactors



HARDWARE LIGHTING MANAGEMENT EQUIPMENT (LME)

Electrical parameters

Power supply	12 ±2 Vdc
Standby power consumption	3W
Input protection	With a 2A, 32V medium-type blade fuse
Reverse polarity protection	With a fuse and Schottky diode
Electrical protection	Class II

AC voltage detection inputs

Absence thresholds	Ua < 92 Vac
Detection thresholds	Ud > 146Vac
Maximum operating insulation voltage	630 Vpk
Overvoltage peak	6.000 Vpk
Insulation	Optoelectronic up to 3,750 Vrms for 1 min
Input protection	Via 510 Vpk varistor (up to 320 VACrms), energy 92 J, 3.5 kA

Relay outputs

Maximum current per contact	5A
Operating voltage	250Vac y 30Vdc
Input protection	430Vpk (up to 275 VAC rms), energy 40 J, 1.75 kA
Type	NO

RS485 communications

Communication mode	Half-duplex - 2-wire
Transmission speed	Tx ≤ 250 Kbps
ESD protection	±15 kV on bus pins
TVS protection	7 V/+12 V, 19 A and 600 W for 8/20 µs

Digital tickets

Type of entry	Potential-free

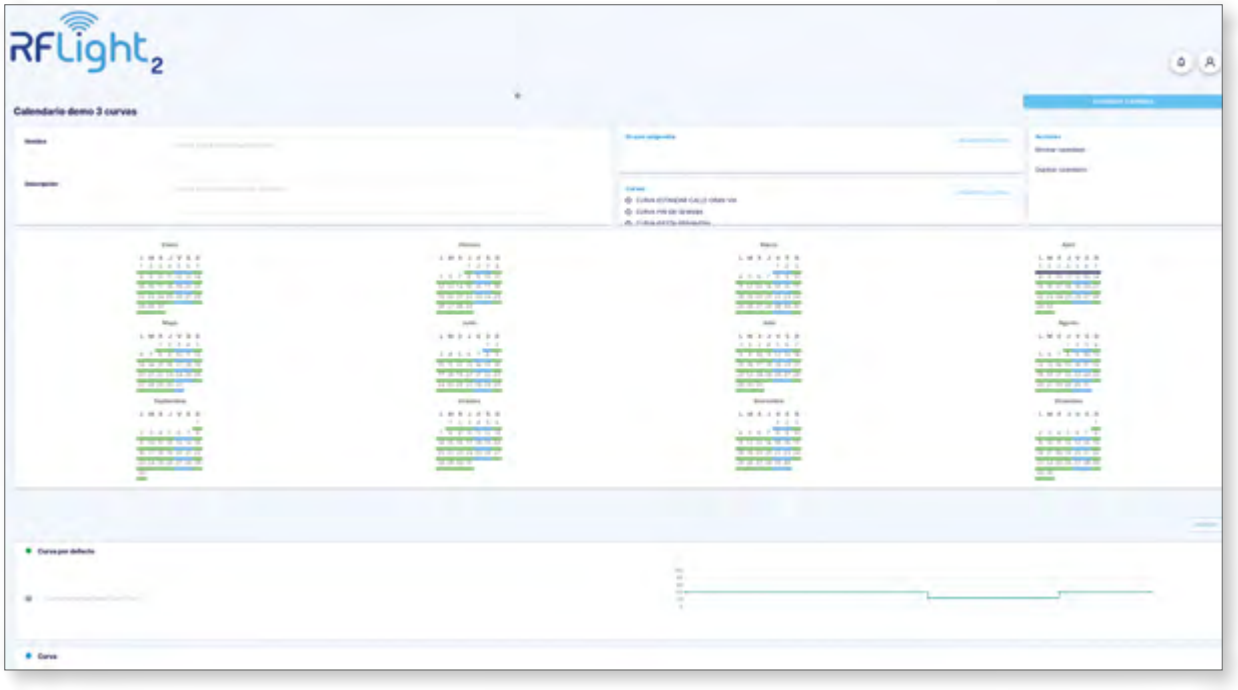
Mechanical parameters

IP	20
Operating temperature	-20°C to 65°C
Dimensions	107x90x63mm
Weight	314g

FEATURES

PROGRAMME

- **SWITCHING ON AND OFF**
  Allows you to set precise on and off times for electrical circuits and lines, optimising energy consumption and improving operational efficiency.
- **SUNRISE AND SUNSET CALCULATION**
  Automatically calculates sunrise and sunset times, allowing lighting to be optimally adjusted according to available natural light.
- **AUTOMATIC SUMMER-WINTER AND WINTER-SUMMER TIME CHANGE**
  Automatically adjusts to summer time, eliminating the need for manual intervention and ensuring continuity in the programming of electrical systems.
- **AUTOMATIC ADJUSTMENT BASED ON YOUR LOCATION**
  Uses geolocation technology to automatically adjust the time based on the location of the Control Centre, ensuring precise synchronisation with local time.
- **RELAY MANAGEMENT INDEPENDENT OF THE SCHEDULE**
  Allows relays to be managed independently of the established schedule, providing greater flexibility and control over the operation of electrical systems.
- **PROFILE AND CALENDAR MANAGEMENT**
  Offers the ability to create and manage custom configuration profiles and calendars, adapting to the specific needs of each user and environment.



ALARMS

Users have the flexibility to set up alarms and notifications to suit their specific needs.

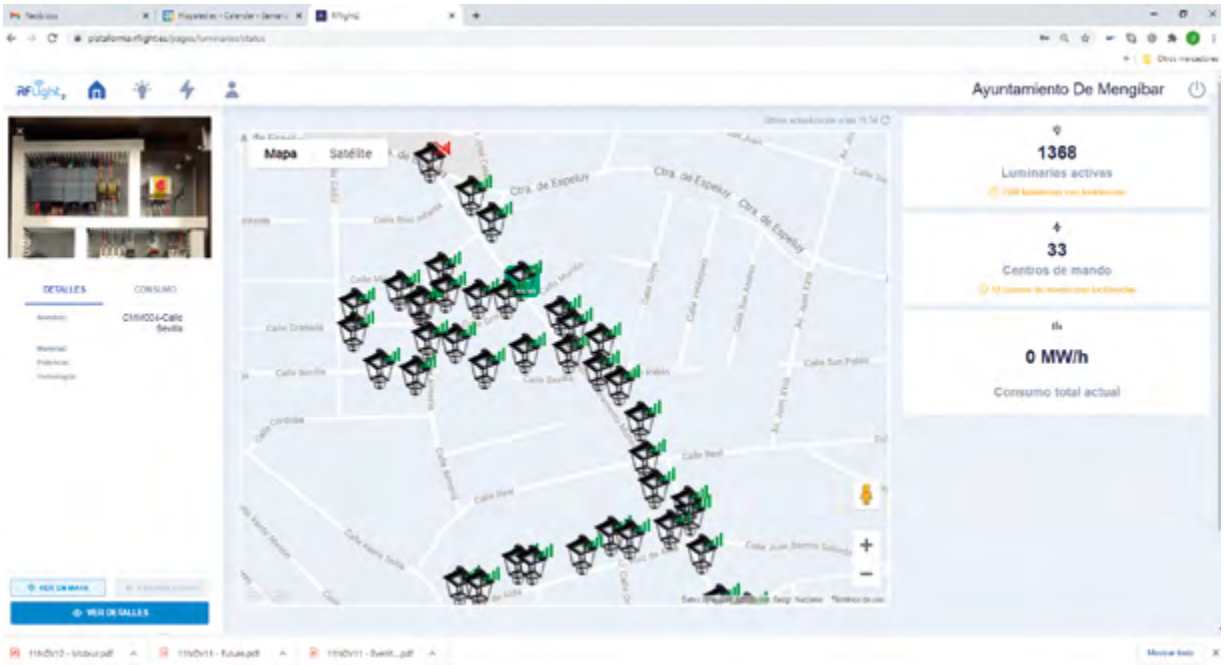
- **PROGRAMMABLE BASED ON ELECTRICAL PARAMETERS**
  It offers the ability to intelligently programme alarms and alerts using the electrical parameters of the power line. This function enables early detection of potential problems and a proactive response to risky situations.

- **PROGRAMMABLE BASED ON EXTERNAL SENSORS**
  It can integrate readings from external sensors, such as: temperature, presence and noise sensors, etc. This expands its risk detection and adaptability capabilities, enabling a more comprehensive response to different situations.

ANALYSIS

- **CIRCUIT MONITORING AND CONTROL**
  It is capable of monitoring and controlling multiple electrical circuits in real time, allowing users to instantly view the operational status of each one..

- **REAL-TIME CONSUMPTION AND CONSUMPTION HISTORICS**
  In addition to providing real-time data, the Command Centre displays consumption histories, enabling comparisons between periods and a deeper understanding of consumption patterns over time.

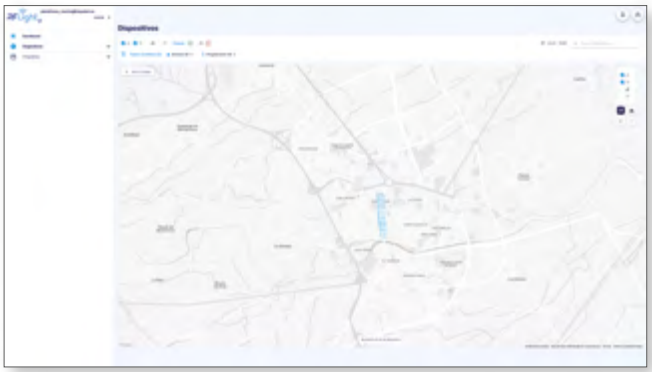


RFLight$_2$

PLATFORM RFLIGHT2

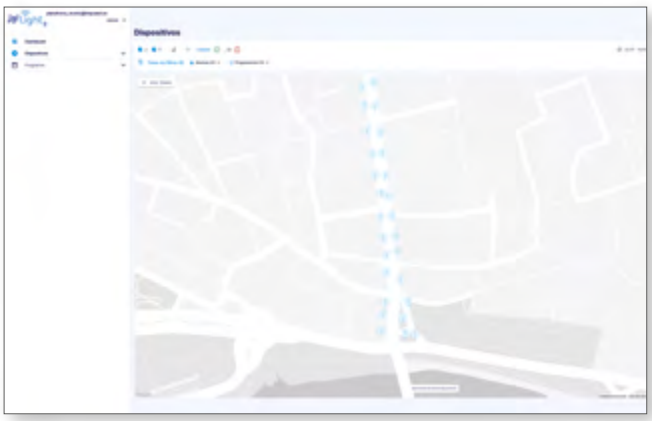
RFLIGHT$_2$ WEB, AN OPEN MANAGEMENT PLATFORM

RFLight$_2$ Web It serves as the central hub for all Smart City data. Both the command centre control units and the streetlight nodes, as well as the RFLight2 Geo tool, send their data via standard protocols to the cloud, from where it is forwarded to the Hispaled platform. This is a unique feature of our products and our platform: IT IS A COMPLETELY OPEN ARCHITECTURE.



DATA INTEGRATION FROM ANY MANUFACTURER

Similarly, we are confident that many local authorities will choose the RFLight$_2$ platform to manage their street lighting. However, not all luminaires or control centres may be manufactured by Hispaled. We have a large number of successful case studies involving remote management systems for third-party control panels or luminaires.



DATA AVAILABLE FOR ANY PLATFORM

We are convinced that any customer wishing to monitor and control their lighting system, whether public or private, can choose from a range of options. Of course, these do not all have to come from the same equipment or service provider. That is why we send the data to the cloud. This ensures it is available to city managers from any platform.

INTEGRATION OF OTHER ELEMENTS OF THE CITY

Currently, most manufacturers of urban data-measuring equipment have, or will have, internet connectivity. For example, air quality or noise monitoring stations, irrigation systems, car park occupancy systems, etc. can be integrated into the RFLight$_2$ platform.

TECHNICAL SPECIFICATIONS OF THE RFLIGHT$_2$ PLATFORM:

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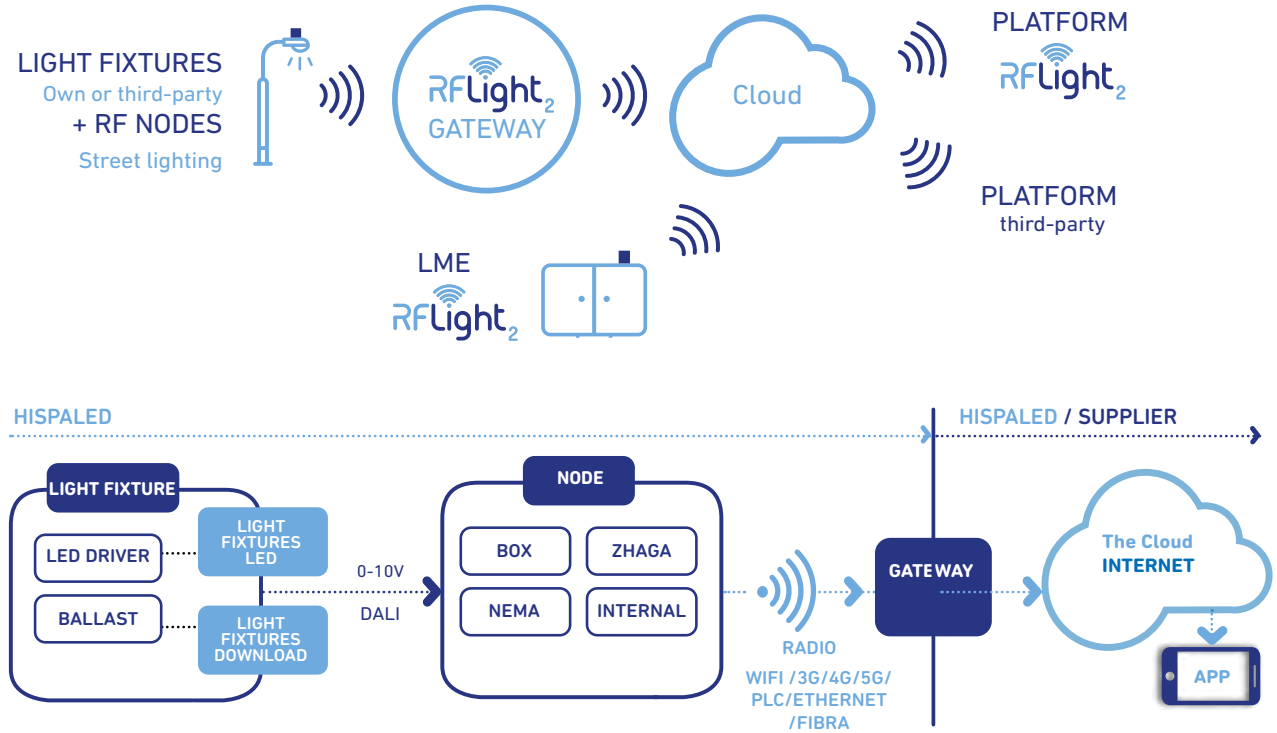
RADIO FREQUENCY NODES (LoRa)

CONNECTIVITY TYPES FOR RFLIGHT$_2$ NODES:



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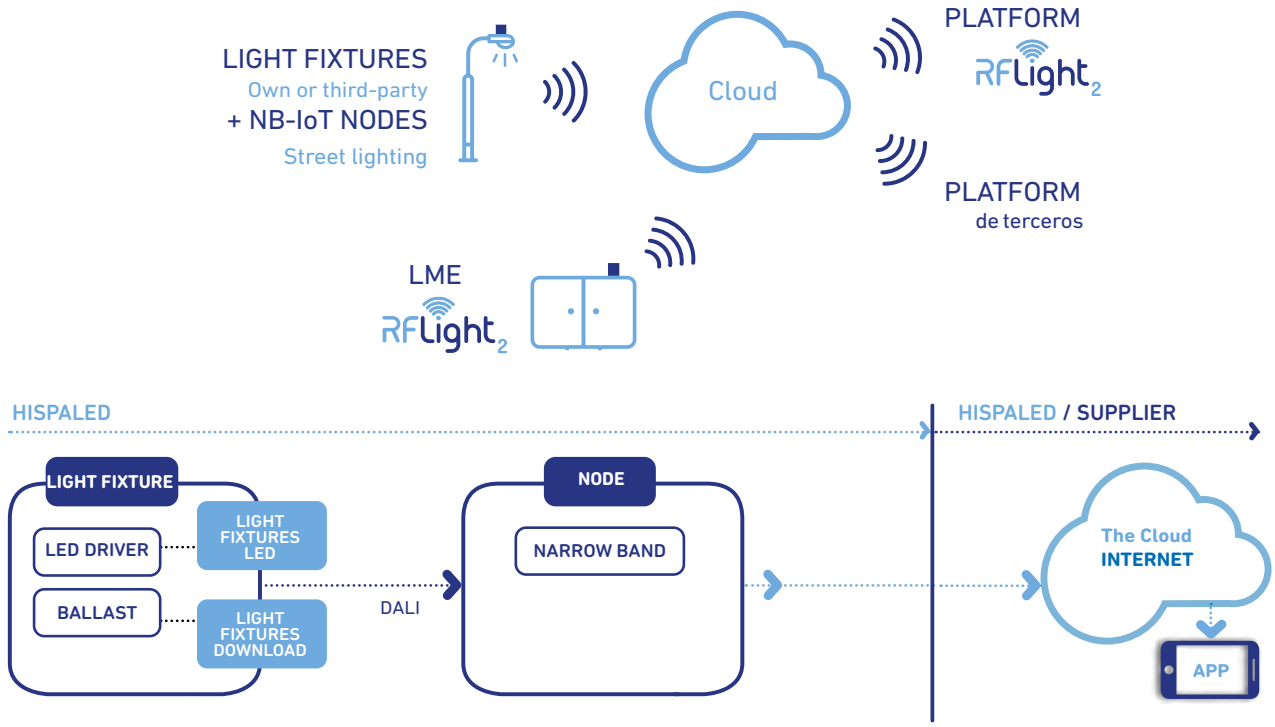
Working in the cloud offers key advantages: automatic scalability, greater availability and reduced infrastructure costs. It also ensures robust security, regular updates and global accessibility. This enables systems to be flexible and efficient, adapting to market demands without the need for hardware modifications.

A PLATFORM WITH AN INTUITIVE DESIGN THAT WORKS ON ANY DEVICE

RFLight$_2$ enables remote management of luminaires from both HISPALED and other manufacturers, and integrates with any web platform – whether in-house or third-party – from which to control lighting panels and individual luminaires, offering endless possibilities and providing real-time data.

NARROW BAND NODES

CONNECTIVITY TYPES FOR RFLIGHT$_2$ NODES:



DIFFERENCES

The main difference lies in synchronisation:

- **RADIO FREQUENCY (LoRa)** nodes operate **ASYNCHRONOUSLY**.
- **NARROW BAND** nodes operate **SYNCHRONOUSLY**.
  This means they allow the luminaire to be controlled in **REAL TIME**.

IT INTEGRATES WITH ANY WEB PLATFORM, WHETHER IN-HOUSE OR THIRD-PARTY

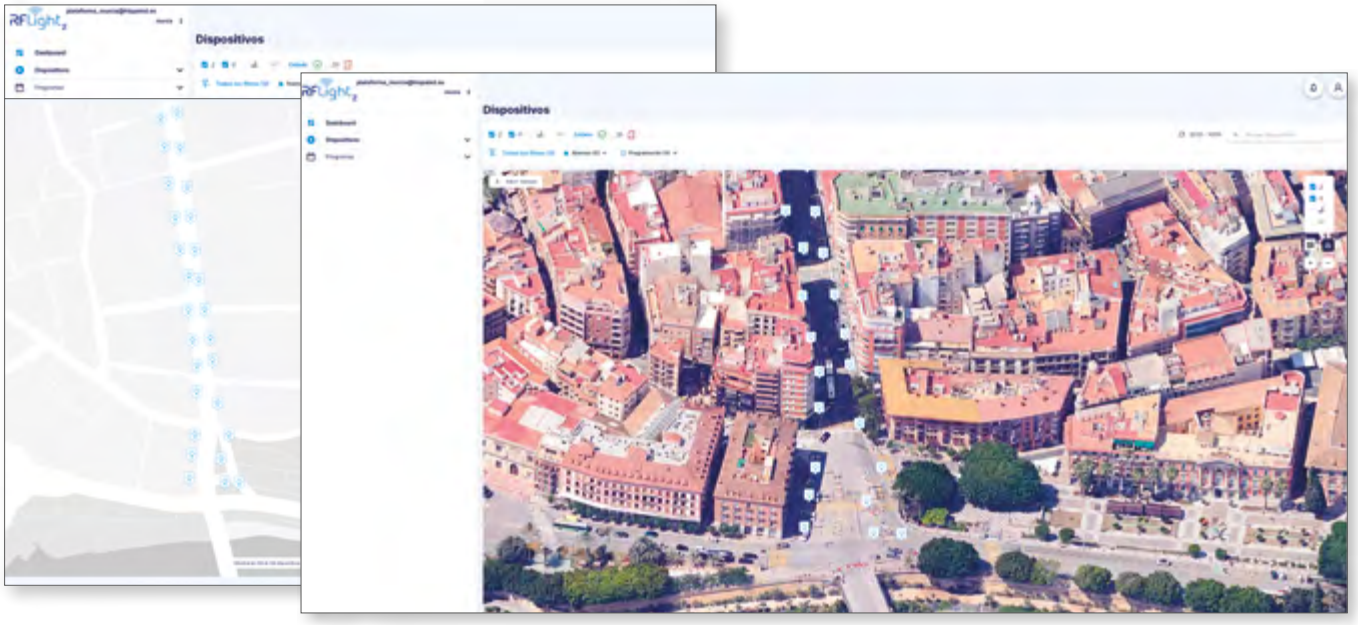
FEATURES

RFLight$_2$ enables the remote management of luminaires from both HISPALED and other manufacturers, and integrates with any web platform – whether in-house or third-party – from which to control lighting panels and individual luminaires, offering endless possibilities and providing real-time data.

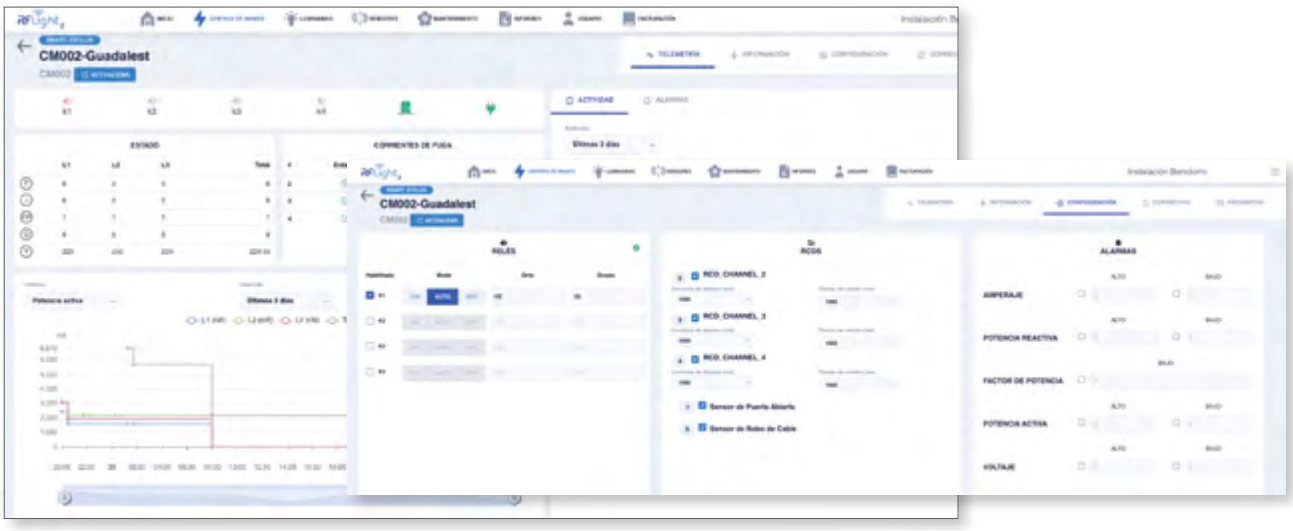
VERTICAL LIGHTING FEATURES

The RFLight$_2$ software platform enables comprehensive management of the municipality's street lighting, covering both the luminaires and the control centres. From a single point of access, it manages the registration of light points, inventory, asset management, user configuration, customisable reports and maintenance of the installation.

- OVERVIEW OF THE INSTALLATION



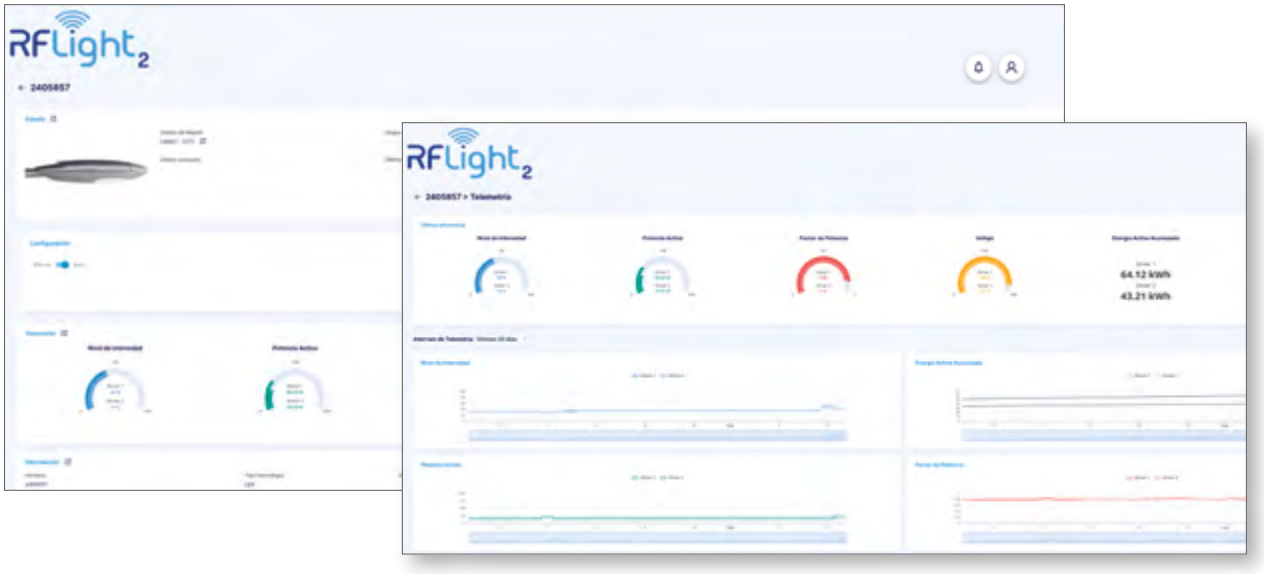
- PANEL CONTROL



The RFLight$_2$ platform is used to control the various elements of the control panel via a header, and energy indicators are measured using analysers, with this information being recorded in the cloud for subsequent use and analysis.

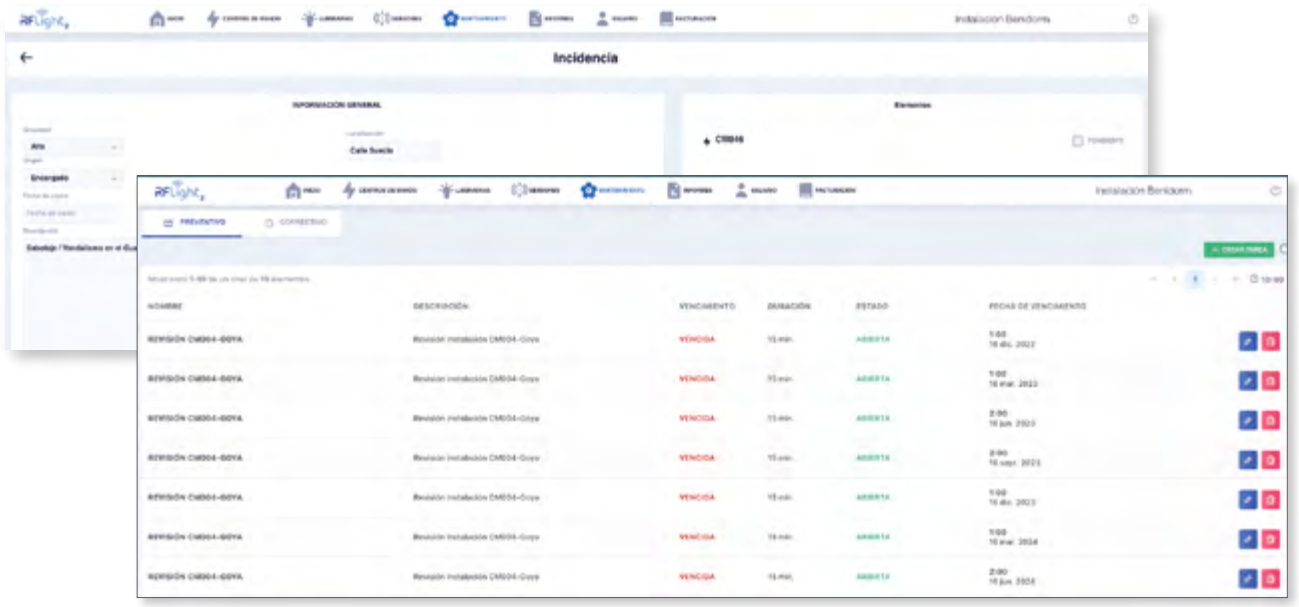
FEATURES

- LIGHTING CONTROL AND PROGRAMMING



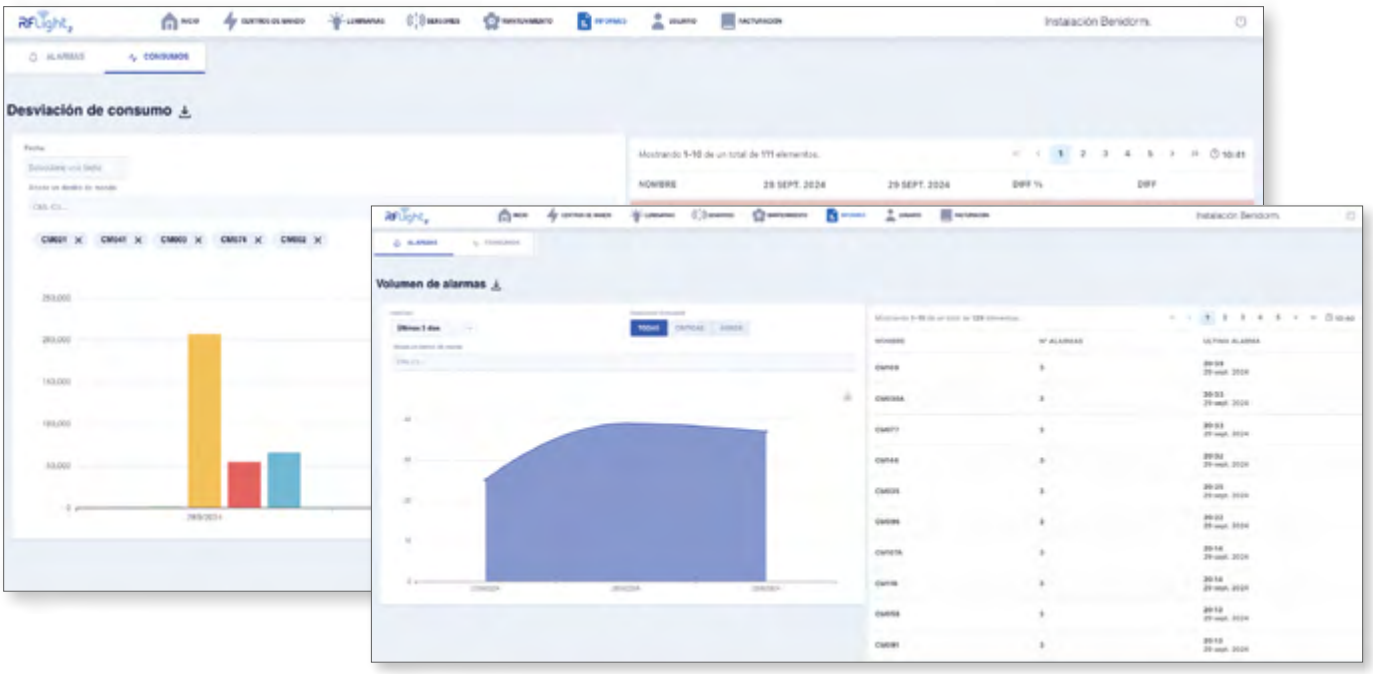
RFLight$_2$ enables individual or group control of lighting fixtures through the creation of dimming schedules and timetables using both radio frequency and narrowband technology

- MAINTENANCE MANAGEMENT



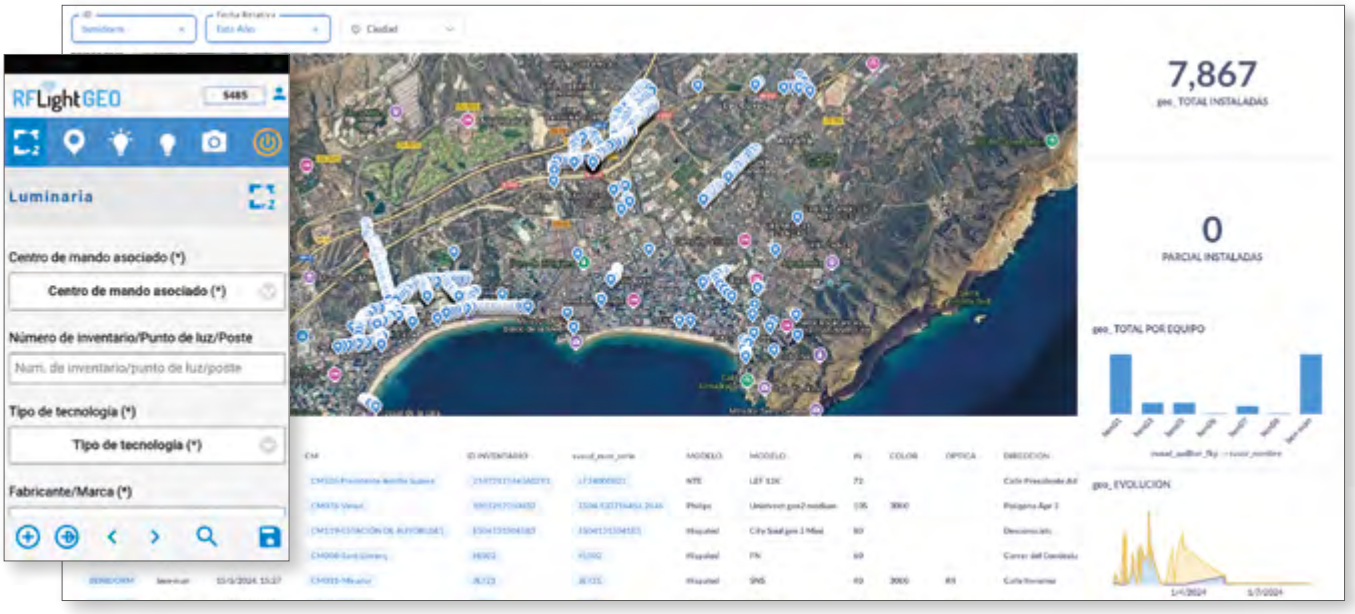
The RFLight$_2$ platform features a maintenance module for recording, monitoring and carrying out preventive and corrective tasks on the various items in the inventory. This module can be linked to public service portals or similar platforms to collect various notifications

- REPORTING TOOL



The RFLight$_2$ platform provides reports on alarms and energy consumption from control centres to facilitate the analysis of this data and enable preventive action to be taken.

- RFLIGHT$_2$ GEO/INVENTORY INSTALLATION TOOL



The georeferencing module, known as GEO, allows users to register and locate the various items in the inventory via an app.

FEATURES

- IOT INTEGRATION/SMART CITY VERTICALS

Thanks to our "TALQ2" certification, the RFLight$_2$ platform is ready to integrate any IoT solution.

IOT / SMART CITY VERTICALS

IOT / SMART CITY VERTICAL SOLUTIONS

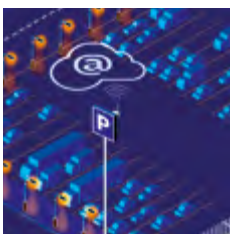
The RFLight$_2$ software platform enables the integration and management of various IoT and Smart City applications as they are developed, such as:

OBJECTIVE: TO INTEGRATE VARIOUS SERVICES INTO A NETWORK

WASTE COLLECTION SYSTEMS

IRRIGATION SYSTEMS PARKS AND GARDENS

CONTAMINATION MEASUREMENT STATIONS



CCTV CAMERAS

PARKING MANAGEMENT SYSTEMS

THE RFLIGHT$_2$ PLATFORM IS DESIGNED TO SUPPORT ALL IOT AND SMART CITY SECTORS

RFLight GEO APP FOR THE INSTALLATION, INVENTORY AND MAINTENANCE OF LIGHT FIXTURES

The RFLight$_2$ Geo system enables the capture, upload and processing of data from all types of equipment, particularly electrical equipment, using any Android or iOS mobile device.

RFLight$_2$ Geo was founded with the aim of:

· Eliminate a significant proportion of the administrative tasks associated with the installation of equipment of any kind.
· Monitor the progress of work automatically and in real time.
· Provide tools for monitoring and managing the teams responsible for installation.

The system is very easy to use: **all you need to do is scan the QR code on the streetlight or node**. This allows it to be geolocated and added to a database. You can also choose to enter details for each location (height of the light, street layout, incidents, etc.)

The system includes:

- **RFLight$_2$ Geo app for Android and iOS (available on the Play Store and App Store).**
- **FIELD EQUIPMENT, comprising a portable GPS device (Garmin GLO model or similar) and a 7-inch Samsung tablet or similar.**

RFLight$_2$

THE COMPANY

HISPALED: A LEADING SPANISH COMPANY IN SOLUTIONS USING LED TECHNOLOGY AND CONNECTIVITY FOR SMART CITIES

Since 2009, we have been designing, manufacturing and marketing LED lighting fixtures for a range of applications, including street lighting, industrial lighting and horticultural lighting, as well as smart control systems for our products.

MISSION

To be a market leader and recognised as an innovative, professional and sustainable company. A different approach to how we do things, offering the best products and services, economic efficiency and support for young people in vulnerable situations.

VISION

Business is a powerful tool for social change. It is possible to be both competitive and socially responsible. We nurture relationships within the company, with customers and with suppliers to make our work more humane and rewarding.

VALUES

- Personalised service.
- Professionalism.
- Quality.
- Innovation.
- Honesty and transparency.
- Ethics and values.
- Empathy and understanding.
- Environmental sustainability.

HISPALED: A DIFFERENT VISION, A SOCIAL VISION

HISPALED is a business initiative dedicated to the social and labour market integration of young people in vulnerable situations. We are Spain's leading manufacturer of LED technology solutions and the first industrial company in the Community of Madrid to be designated an 'Integration Enterprise' under Law 44/2007.

STUDY | CONSULTANCY | DESIGN | FABRICATION | HOMOLOGATION | INSTALLATION | MAINTENANCE | WARRANTY

Hispaled offers a comprehensive lighting solution based on LED technology

Madrid: street lighting

Almería: Horticultural Lighting

Madrid: social and employment integration

" Hispaled is a 100% Spanish company and a pioneer in the development of remote management solutions for street lighting. We support our clients in the supply and preparation of tenders. We are proud to be the first company in the world to develop a street lighting system based on LoRa technology with a mesh network topology, known as LoRaMesh. "

HISPALED: A DIFFERENT VISION, A GLOBAL VISION

WE ARE MANUFACTURERS:

Our factories, located in Ordes (La Coruña) and Madrid-Vicálvaro, are equipped with state-of-the-art technical resources and the technology required to meet the demands of an increasingly complex and demanding global market. HISPALED has its own hardware and assembly departments, which ensure the highest product quality and short lead times.

MADRID
Offices/Factory

CORUÑA
Factory

600
Municipalities
in Spain

60
Street lighting
concessions

150.000
Tn of Co2
not issued

More than
350.000
Lighting fixtures manufactured
for municipalities
around the world

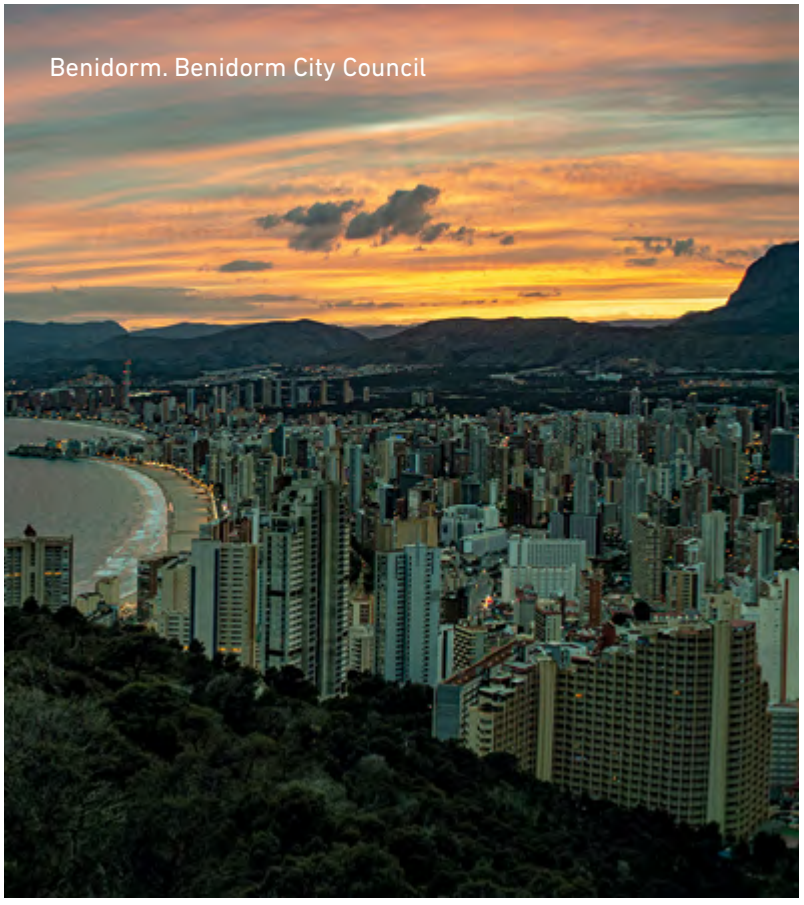
EXPORTS TO EUROPE, LATIN AMERICA, ASIA AND AFRICA

We have launched major street lighting projects in Latin America (Chile, Colombia, Peru, etc.), Europe (the United Kingdom, etc.), Africa (Morocco, etc.) and Asia (Lebanon, etc.)

Hispaled Street Lighting
Murcia City Council. Spain

Gijón . Gijón City Council

M40 Madrid. Madrid City Council



Benidorm. Benidorm City Council

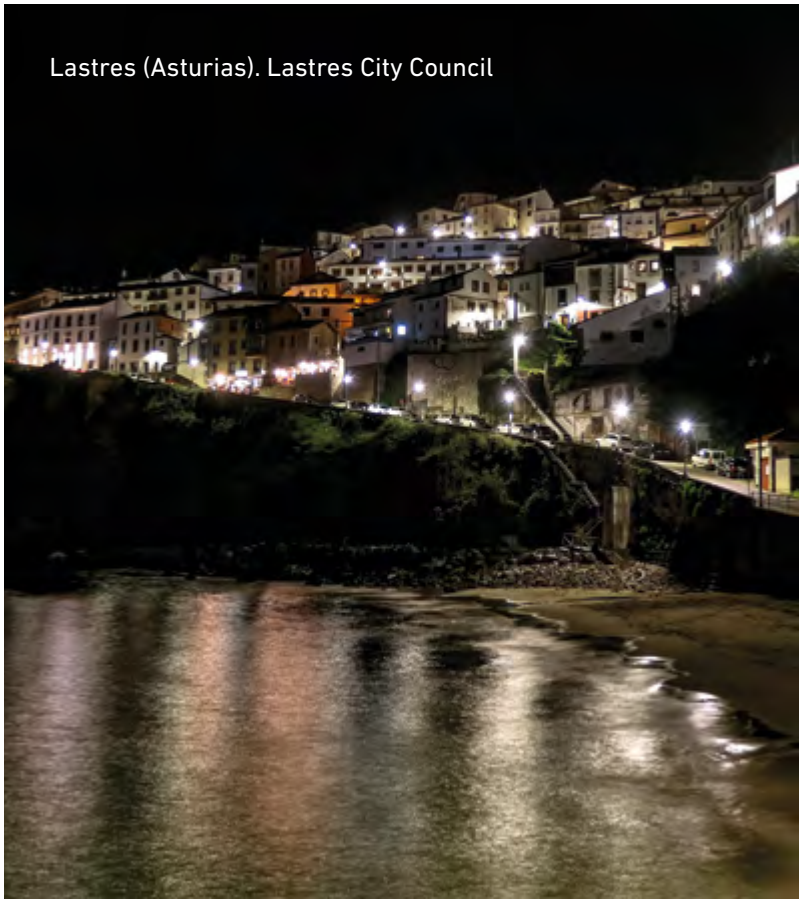
Parque Torre España. Madrid City Council

Málaga. Antequera City Council

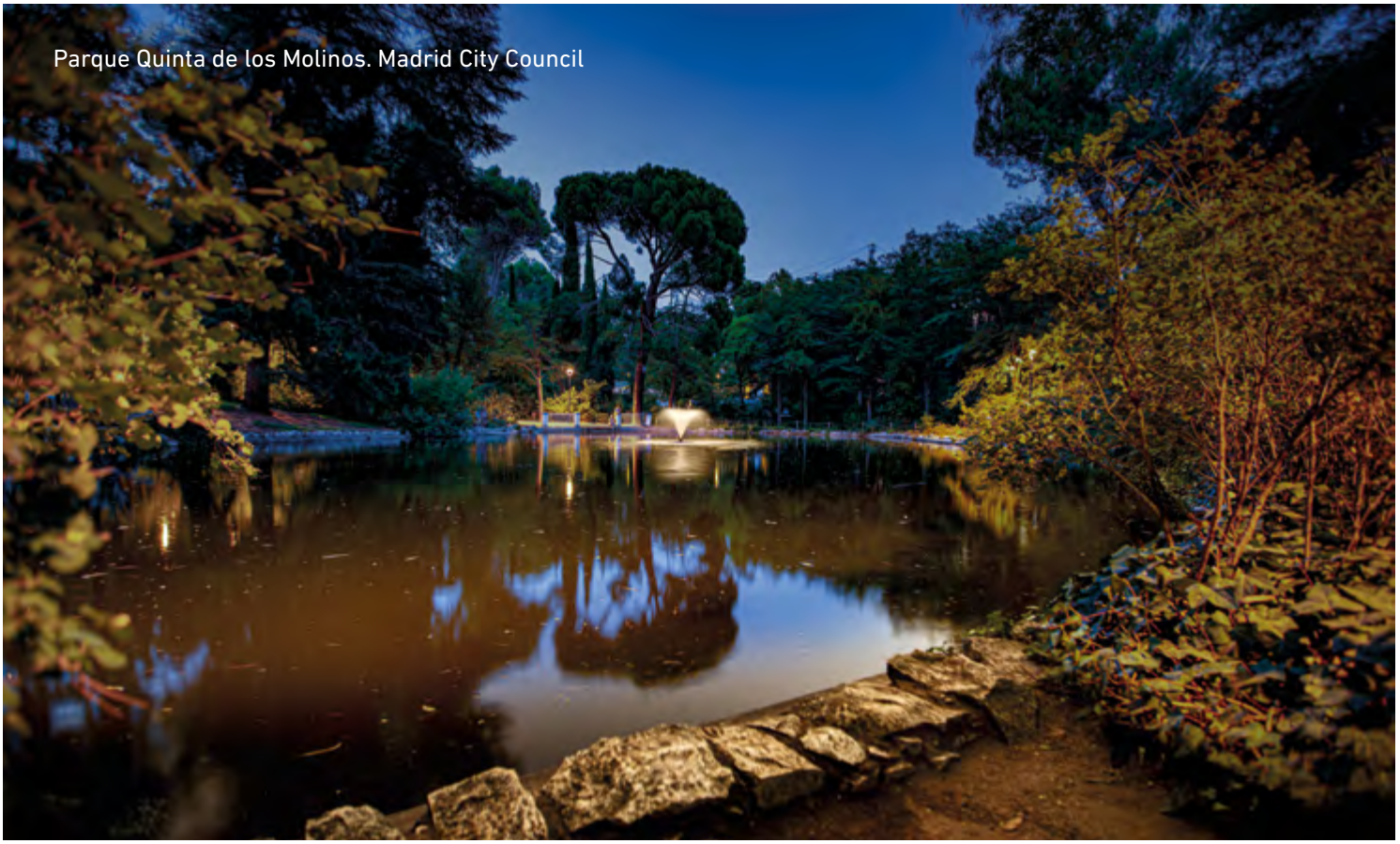
Parque Juan Carlos I. Madrid City Council

Ayllón (Segovia). Ayllón City Council

Ordes (Galicia). Ordes City Council



Lastres (Asturias). Lastres City Council



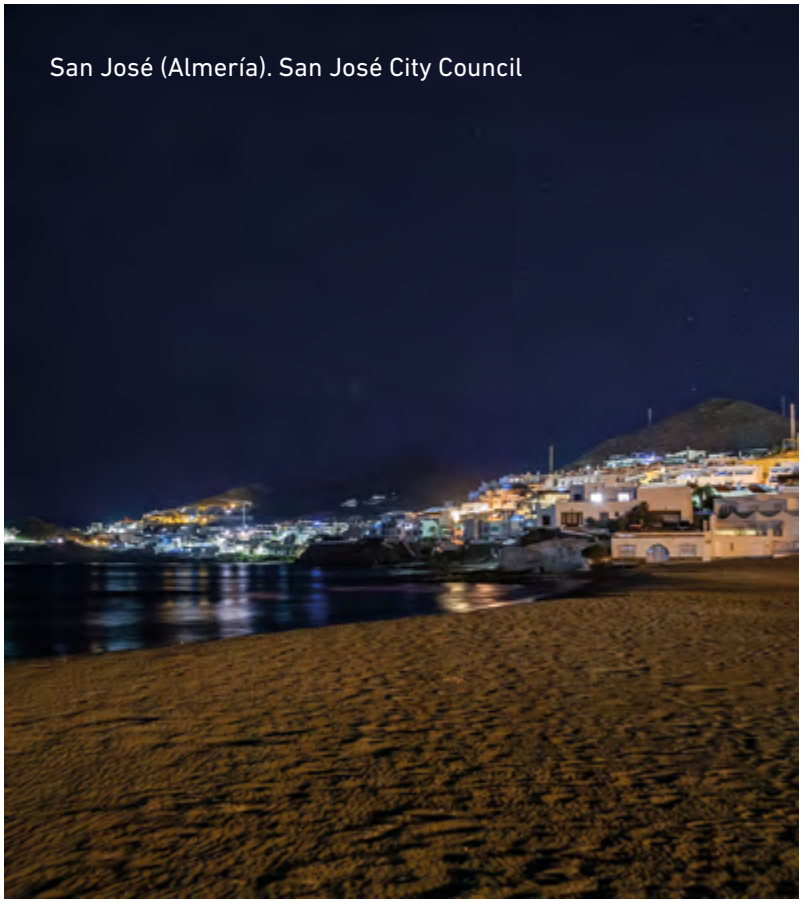
Parque Quinta de los Molinos. Madrid City Council

Belorado (Burgos).
Belorado City Council

La Línea (Cádiz). La Línea City Council

Mijas (Málaga) . Mijas City Council

Móstoles (Madrid). Móstoles City Council



San José (Almería). San José City Council

www.hispaled.es

A different city RFLight 2

hispaled

A different vision

SPAIN	BOLIVIA	COLOMBIA	MOROCCO	RRSS
HISPALED MADRID / GALICIA	LA PAZ DELEGATION	BOGOTÁ DELEGATION	CASABLANCA DELEGATION	