

PILOT YOUR STREET LIGHTING EQUIPMENT



MID Smart remote module DALI

Control of street
lighting
+
Monitoring light
garlands

SMART REMOTE MODULE

MID is a stand-alone module.

It centralizes **the operating controls** of the street light and the monitoring of the light garlands.

It allows control of light monitoring at any moment (**power reduction, time slots, remote motion detector, constant light flow, ...**).

INNOVATION

Centralizes all monitoring functions at the base of the mast.

Leaves you free to manage one or more lights.

Offers the same features as on a remote control.

ADVANTAGES

The smart device of the street light is **accessible**.

Monitoring a group of street lights is **possible at all times either** point to point or in boxes equipped with PLC (Programmable Logical Controller) for all the lights.

The street light's nominal output is **adjustable manually** by a simple pressure on a waterproof push-button on the front face.

The **light garlands** are **controllable**: on, off, operating time.

When the driver is replaced (identical power), **no installation reprogramming is necessary**.

The **MID** module can monitor up to **two DALI remote motion detectors**.

A motion detector can be added to the street light after having installed the **MID**.

DALI

A 2-wire communication DALI node is used to communicate between the **MID**, the driver and other optional devices such as a motion detector.





With the Smart remote module DALI **MID**

MANAGE YOUR STREET LIGHTING EASILY

AND CONTROL YOUR ENERGY COSTS*

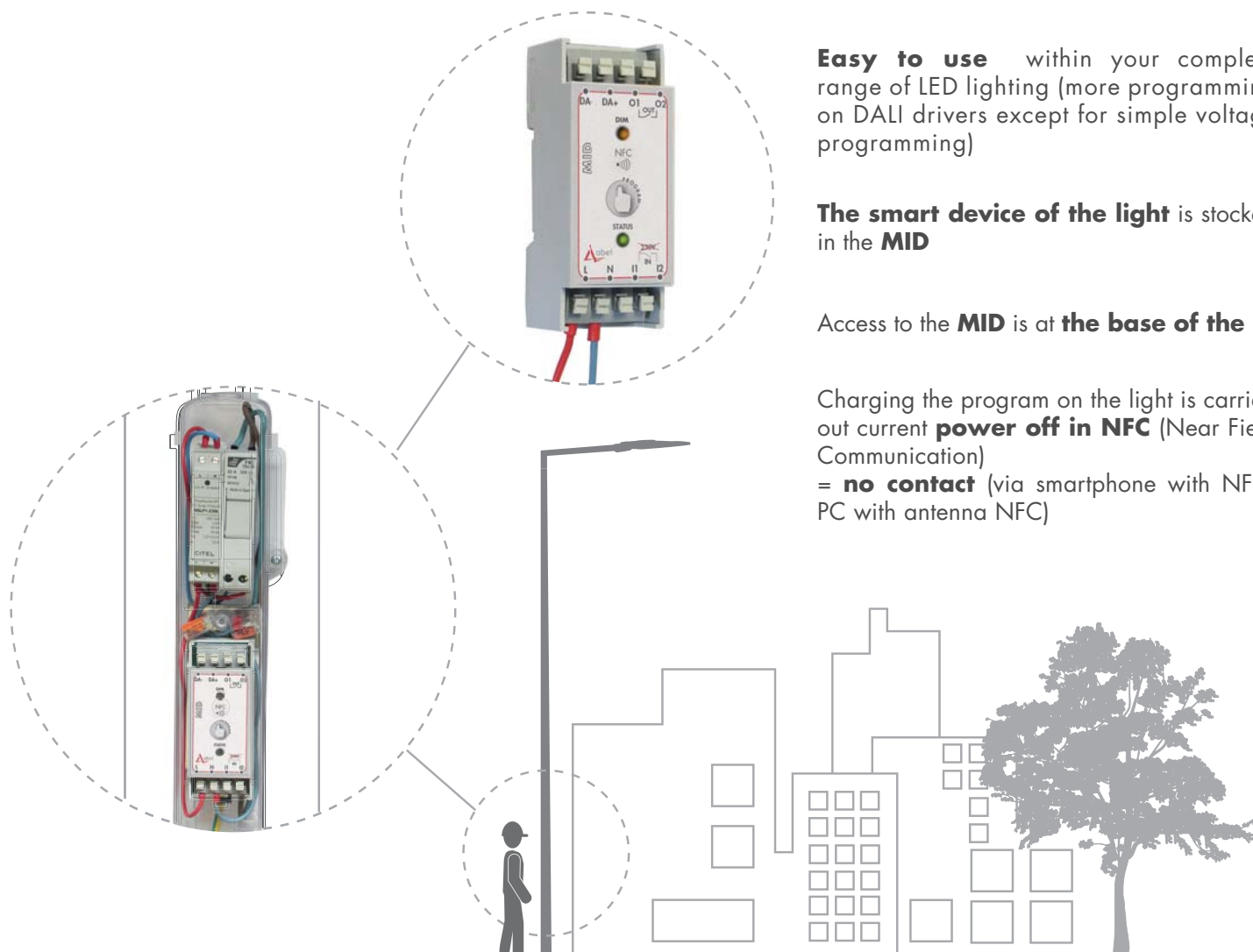
Adapt your lighting throughout **the life-time** of your installation

Easy to use within your complete range of LED lighting (more programming on DALI drivers except for simple voltage programming)

The smart device of the light is stocked in the **MID**

Access to the **MID** is at **the base of the unit**

Charging the program on the light is carried out current **power off in NFC** (Near Field Communication)
= **no contact** (via smartphone with NFC, PC with antenna NFC)



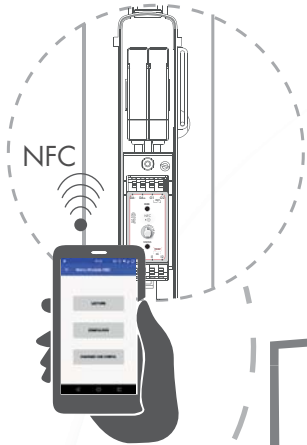
* simple management of power supply either point to point or from the headend with a PLC.

PROGRAMMING

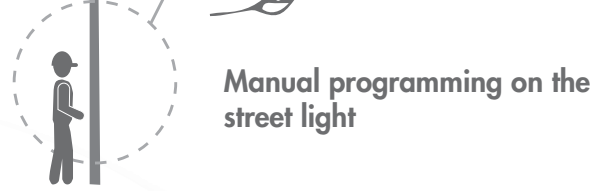
4 **MID** programming modes

Programming by smartphone

Android Application



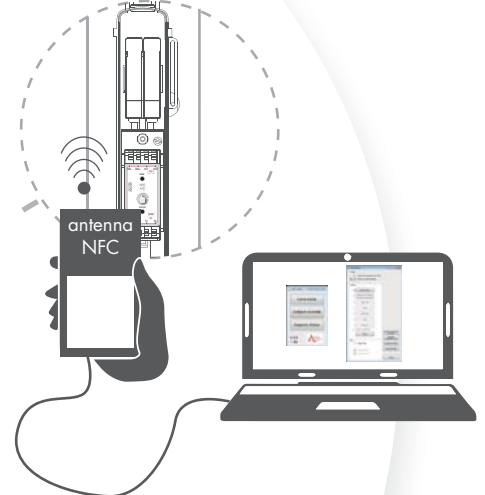
P-Adjust
Power adjustment
at the light spot



Manual programming on the street light

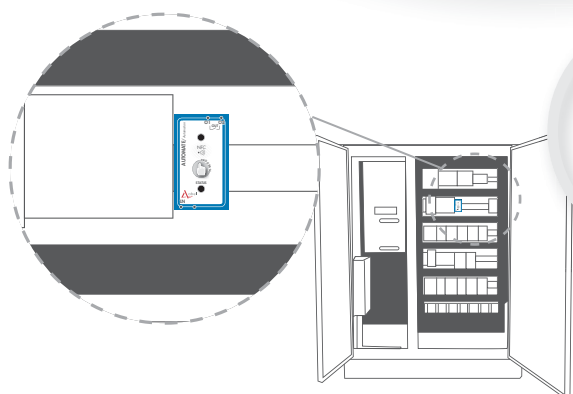
With **MID** powered down
or

- On-board functions**
- P-Adjust
 - No variation
 - Cycles
 - Timer
 - DALI motion detector
 - Remote Control
 - VAR
 - F-Constant
 - Garland



Programming by laptop

PLC Programming



Group programming



Programming a group of **MID** equipped lights from the network head box with **PLC** (Switch Off/On cycles)

FUNCTIONS



P-ADJUST

Power setting of lighting to set it at its optimal value



CYCLES

Light dimming at chosen times



DALI MOTION DETECTOR

Power setting of lighting according to DALI motion detector



REMOTE CONTROL

Power setting of lighting according to the order received from other **MID** or other dry contact type systems



F-CONSTANT

Compensation for the loss of light flow of LEDs



VAR

Power variation on a group of lights with a head dimmer



NOMINAL POWER

The nominal power of the light is steady from switching on to switching off



TIMER

Power setting of lighting on pre-defined times following switching on



GARLAND

Switching on and off of a garland according to predefined times after switching on time

Possibility of combining functions.



SMART LUM

MID uses on-board SMART LUM functions, offered by the ABEL LED range



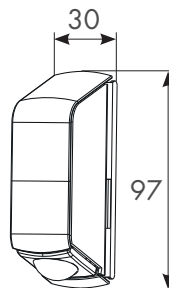
MID



PLC



DALI
Motion detector



PRE-REQUISITES FOR INSTALLATION

NEW

LED Luminaire equipped with a DALI driver 1 cable 5 wires
Junior connection box or Medium 2-shelved connection box with **MID**, **CC**, lightning arrestor and terminal block.

EXISTING

LED luminaire equipped with DALI driver 1 cable 5 wires.
Removal of old connection box to be replaced with a Junior connection box or Medium 2-shelved with **MID**, **CC**, lightning arrestor and terminal block.

MID RANGE

Single **MID** module

Junior connection box BD + 1 C/C Ph/N + 1 **MID** module + terminal block B16
Medium connection box BD + 1 C/C Ph/N + 1 **MID** module + terminal block B50

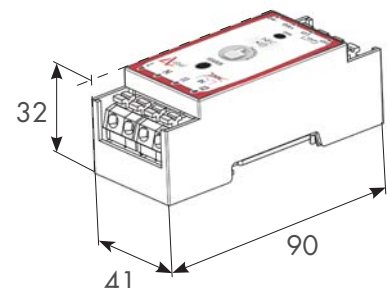
Junior connection box BD + 1 C/C Ph/N + 1 lightning arrestor + 1 **MID** module + terminal block B16
Medium connection box BD + 1 C/C Ph/N + 1 lightning arrestor + 1 **MID** module + terminal block B50

Christmas Kit: Medium connection box + 1 C/C + 1 lightning arrestor + 1 Christmas plug + 1 **MID** module

Options

PLC

DALI motion detector



DIN rail mounting



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