

Birdeye Gen2 Zhaga



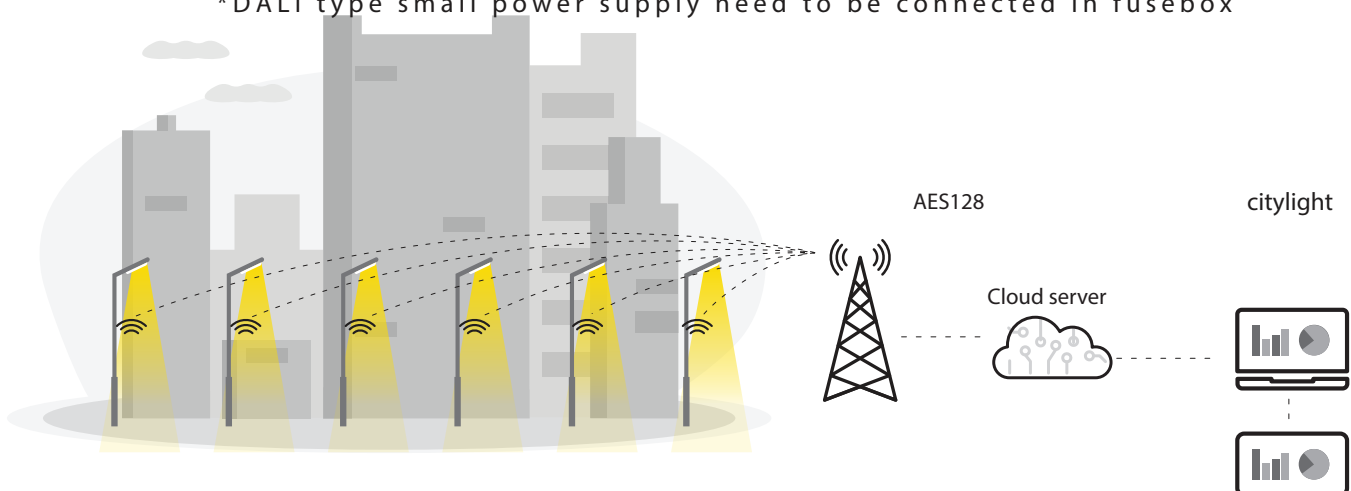
- ✓ D4I OR DALI
- ✓ ZHAGA BOOK 18
- ✓ POLE MOUNTING
- ✓ ALUMINIUM
- ✓ UP TO 2 ZHAGA BOOK 18 SORCKET
- ✓ WORLD WIDE COVERAGE
- ✓ ADAPTIVE LIGHTING



HOW IT WORKS

Works with standard 3 GPP cellular network 2G/LTE, no getaways, fallback to 2G/LTE suitable.

1. Mounted at pole connected by 3 wire to D4i LED driver
 2. Mounted at pole connected by 4 wire to fusebox and dali to LED driver
- *DALI type small power supply need to be connected in fusebox



SPECIFICATION

PRODUCT CODE

Birdeye Gen 2 Zhaga L D4i
 Birdeye Gen 2 Zhaga L DA
 L- 85mm
 S- 60m

DIMENSIONS AND WEIGHT

Diameter: Ø85
 Height: 90 mm
 Weight: 800 g

ENCLOSURE

IP class: IP66
 Impact resistance: IK09
 UV resistant
 Material: Aluminium powder coated
 Rubber Isolation class: Class II

MOUNTING

Lamp: Pole mounting

COMMUNICATION

Cat-M1
 Bands:
 B2/B4/B12/B13/B18/B19/B25/B26/B27/B66/B85
 GSM/EDGE: 850/900/1800/1900 MHz
 Frequency: 2.4GHz ISM band operation

POWER SUPPLY

Voltage: Birdeye ZHAGA DA 230Vac 16-24 VDC
 Voltage: Birdeye ZHAGA D4i 16-24 VDC from LED driver

ENVIRONMENTAL REQUIREMENTS

Operating temperature: from -40 to +75 C
 Storage temperature: from -40 to +75 C
 Relative humidity: <95% non-condensing

STANDARDS

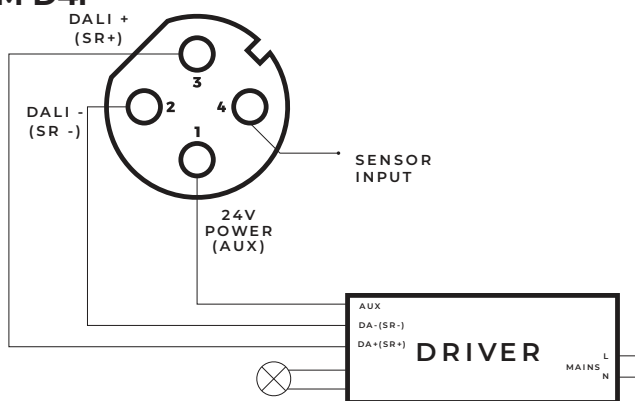
Directive 2014/35/EU Low Voltage Directive (LVD)
 EN 62311: 2008
 EN 61347-1:2015 (IEC 61347-1)
 EN 61347-2-11
 EN 62368-1:2014/AC:2015
 EN 61984:2009
 EN 60529
 EN 62262

Directive 2014/30/EU Electromagnetic compatibility (EMC)
 EN 301 489-1 V2.1.1
 EN 61000-3-2:2014
 EN 61000-3-3:2013
 EN 301 489-3 V2.1.1
 EN 301-489-52 V1.1.0
 EN 55015:2013+A1:2015
 EN 61547:2009

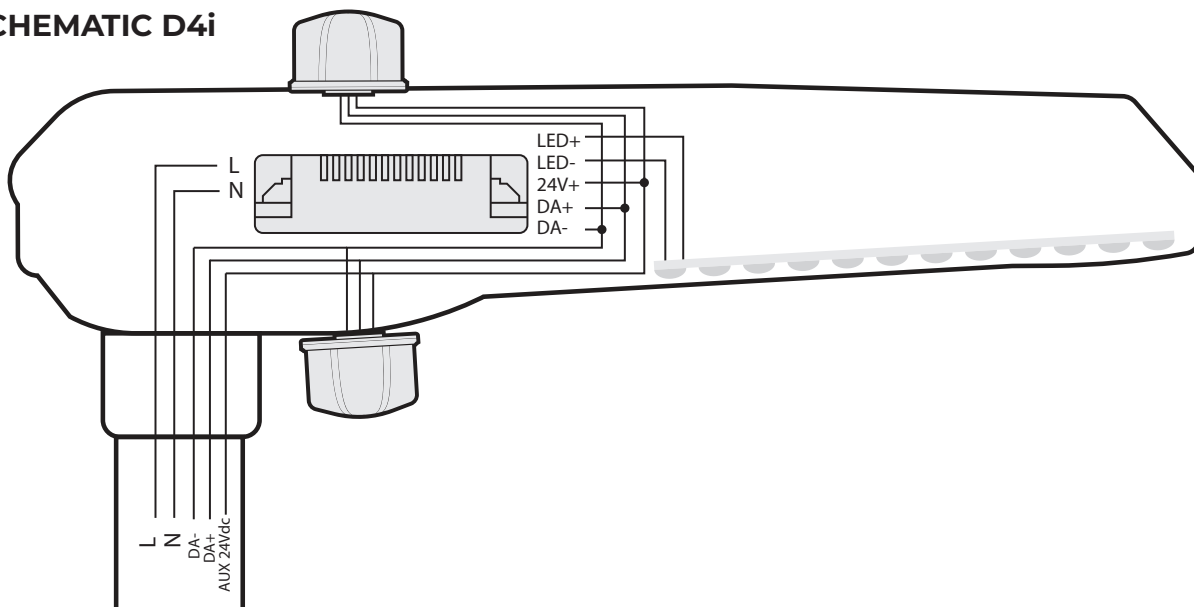
Directive 2014/53/EU Radio Equipment (RED)
 EN 300 440 V2.1.1
 EN 301 511 V12.5.1
 EN 300 328 V2.1.1
 EN 300 220-2 V3.1.1
 Directive 2011/65/EU RoHS directive
 Directive 2012/19/EU WEEE directive



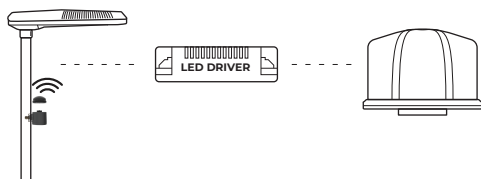
WIRING DIAGRAM D4i



SCHEMATIC D4i



LUMINAIRE DATA



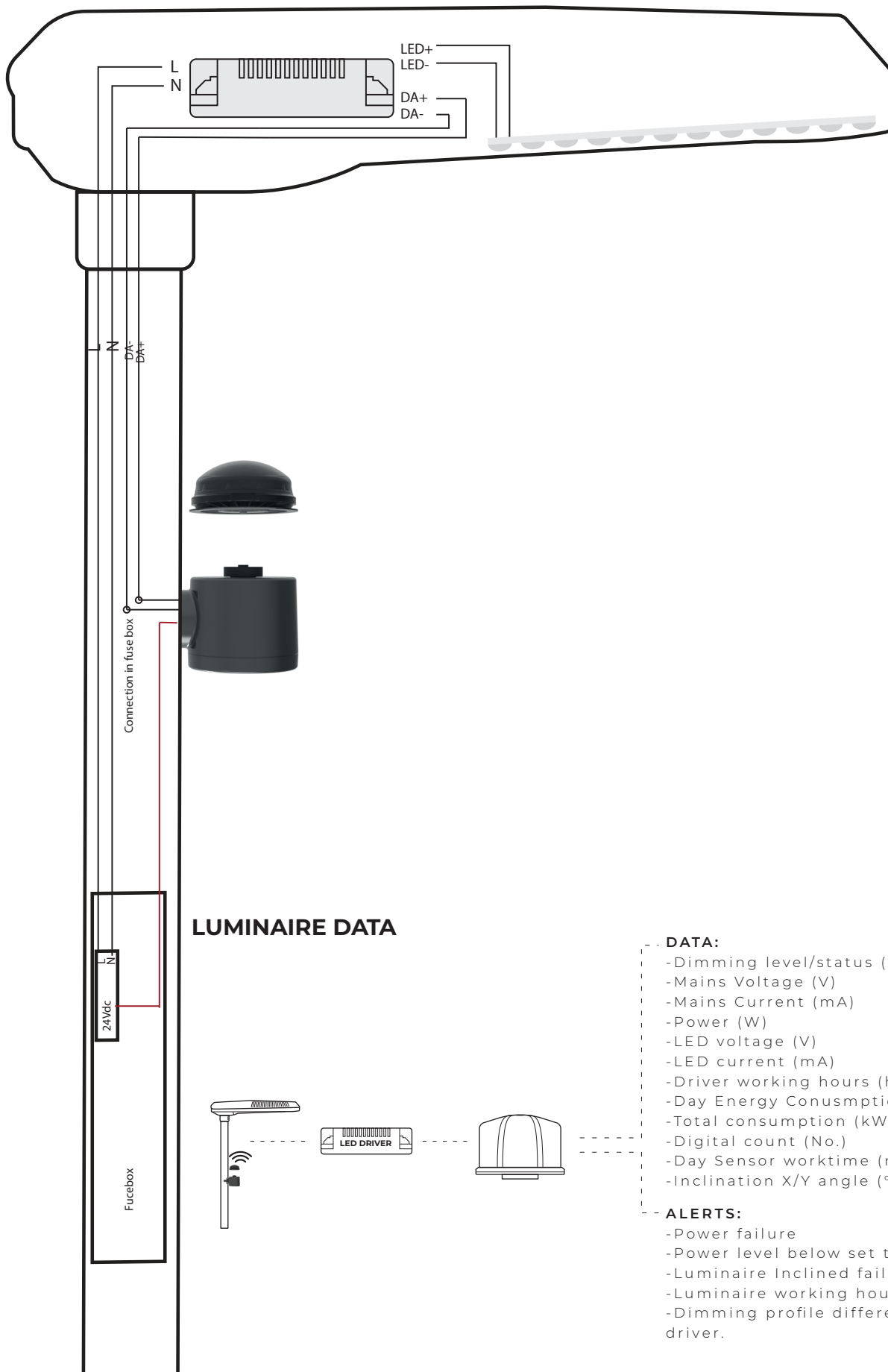
DATA:

- Dimming level/status (%)
- Mains Voltage (V)
- Mains Current (mA)
- Power (W)
- LED voltage (V)
- LED current (mA)
- Driver working hours (h)
- Day Energy Consumption - Active (Wh)
- Total consumption (kWh)
- Digital count (No.)
- Day Sensor worktime (min)
- Inclination X/Y angle (°)

ALERTS:

- Power failure
- Power level below set threshold
- Luminaire Inclined failure
- Luminaire working hours overreached
- Dimming profile difference between node and driver.

SCHEMATIC D4i



LUMINAIRE DATA

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ALERTS:

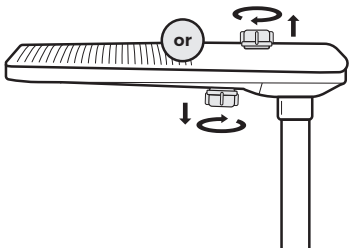
- Power failure
- Power level below set threshold
- Luminaire Inclined failure
- Luminaire working hours overreached
- Dimming profile difference between node and driver.

INSTALATION INSTRUCTIONS

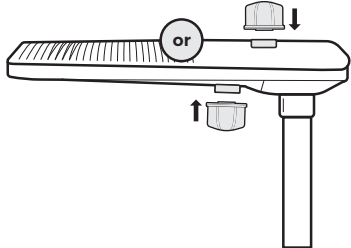
LORA MODULATION

FIELD INSTALLATION

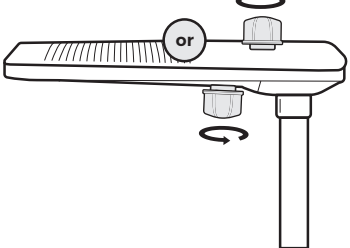
1 Remove protective cover





2


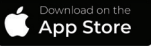


3

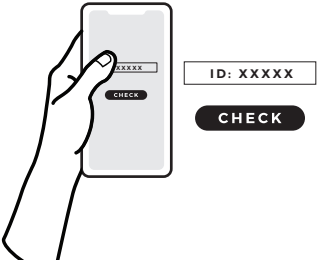


4 Download APP






5



6



7




Enter e-mail and click send.

email@email.com

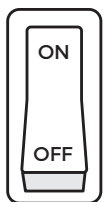
SEND

8



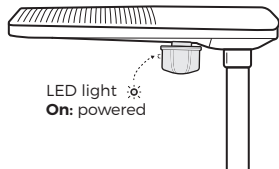
Upload device ID numbers from file

9



Power ON

10



LED light On: powered