

# GreenBox Tiny Zhaga

## GBTZ / GBTZ2



## Datasheet

The GreenBox Tiny Zhaga are used for single control of streetlights. **LoRaWAN communication** is standard and the brightness of the streetlights is regulated via the **D4i-certified** DALI-2-interface.

An **intelligent time switch for autonomous operation** as well as a **light sensor** are **implemented**.

Parameterization can be made via the LoRaWAN network or **in case of GBTZ** directly via the integrated **USB-C interface**. The design and the functions are based on the tested and field proven GreenBox Compact 3 functionality and payload implementation.

### Technical Data

Interface:	Zhaga, DALI-2 / D4i
Type:	Master / Slave
Power Supply:	24 V DC (Zhaga)
Backup power:	Supercap (no battery)
Consumption:	< 0.5 W typical
Protection Class:	GBTZ: IP64, after proper installation GBTZ2: IP66
Material:	Polycarbonat, UV-resistant
Isolation:	Class III
Mounting:	Zhaga B18-Standard
Communication:	LoRaWAN
Temperature:	-40 °C ... +75 °C Operation
Rel. Humidity:	0 ... 95 %, non-condensing
Weight:	ca. 75 g
Dimensions:	80 x 45 mm

### Features

Switching Programs	16
Astronomical Calendar	✓
Light Sensor (20 .. 1'000 Lux)	✓
Multi-Broadcast (multiple group command)	✓
Autonomous Operation	✓
Watch backup runtime during power outage	> 24 h
Automatic Time Synchronization	✓
Communication LoRaWAN	✓
LED-Indicator (defeatable)	✓
<b>only GBTZ:</b>	
USB-Interface for Parameterization and Time Sync.	✓
Conformity:	EN55032, EN61000, EN IEC55015 ETSI EN300220, ETSI 301489-1, -3

### Articles

GreenBox Tiny Zhaga; <b>incl.</b> USB-C interface	GBTZ
GreenBox Tiny Zhaga 2; <b>without</b> USB-C interface	GBTZ2

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