

PRODUCT DESCRIPTION

The IOT.TZ.EAS is ideally suited for outdoor applications. This product is for the control and configuration of individual fixtures. The device automatically connects to the Global Navigation Satellite System (GNSS) to obtain real time date and time information. If correct time information cannot be obtained via GNSS, the existing light sensor takes over the on/off switching.

Configuration of switching on and off, use of Astronomical table or dim profile based on date and time, can be realized with the Bluetooth configuration app. Therefore, this device can easily replace a photocell or, based on LineSwitch, a control mechanism.

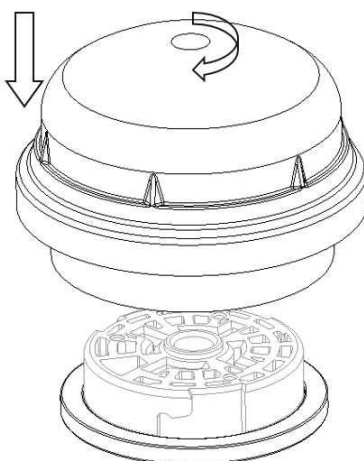
The IOT.TZ.EAS works with Sensor Ready (SR) drivers via a standardized Zhaga Book 18 Connector. The result is a long-term, cost-effective solution ideal for energy savings.



BENEFITS

- Compact size; 3 wire connection
- Operates with SR drivers with AUX power supply
- Global Positioning System which accurate location and time information
- Under the pole configuration using Bluetooth Low Energy (BLE) with smartphone app
- Easy intuitive app for access control and configuration
- Secure BLE configuration

ASSEMBLY



When mounting gently press and then turn 45° clockwise.

PRODUCT DATA

Physical Information

Overall Dimensions	Diameter 80 mm, height 40 mm
Net Weight per piece	70 grams
Color	Transparant
Connectors	SR connector (standardized in Zhaga book 18)

Electrical Information

Input Voltage	Powered by SR driver low voltage 24V interface
Light sensor	Yes (only as backup when GPS signal is not received)
Current Consumption	Not determined yet
Nominal Power Consumption	Not determined yet
Standby Power	Not determined yet
# drivers per ZSC000	1

Environment & Approbation

Operating Ambient Temperature Range	-30 °C to 50 °C
Operating Humidity	10% to 90% non-condensing
Storage Temperature	-30 °C to 85 °C
Storage Humidity	5% to 90% non-condensing
Ingress Protection	IP66
Mechanical protection	IK08
UV protection	Protected by Housing
Agency Approbations	CE
Digital Interface	SR

Bluetooth Low Energy (BLE)

ISM-band	2.4GHz
Output power	Max +10dBm
PER (Packet Error Rate)	30.8%
Max. Pole Height	18m
Max distance user to pole	30m @ 18m height

BLE App Features

BLE	For access control and device configuration in factory or in field
Timezone	To be configured by user
Adjustable light output	10-100%
Use Mains Switching	Default enabled; When disabled, elevation angle needs to be set
Fading time	0-250s
Dimregime	Max 5 steps; Exact time in 24-hour format hh:mm.
	Each level can be set from 10 to 100%
Elevation angle	-4°...4°; enabled when mains switching is not in use
Light Control	Available via BLE interface for manual override to test the light levels and BLE connection

Device Information

Device Information	Available via BLE app, refer "About the device" menu in the feature list
Device name	For device identification; can be modified by installer
BLE MAC address	A 6-byte in hexadecimal format and separated by colons (example - 00:11:22:33:FF:EE)
Software version	Firmware version available on device
GPS	Device location coordinates – latitude, longitude
Time	Local time at the location of the device
Unique product ID	128 bit code as a unique identifier of the device

Commercial

Articlenumber	IOT.TZ.EAS
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