# Technical data sheet
# Tower light
Part no.: 50155284
TL105-32S-ROG-BZ-050-LS




For Illustration purposes only

**Contents**


- Technical data
- Dimensioned drawings
- Electrical connection
- Diagrams

# Technical data

Leuze

## Basic data

| | |
|---|---|
| **Series** | TL 105 |
| **Type of signaling** | Optical and acoustic |

## Electrical data

### Performance data

| | |
|---|---|
| **Supply voltage $U_B$** | 24 V, DC |
| **Current consumption, max.** | 150 mA |

### Inputs

| | |
|---|---|
| **Number of digital switching inputs** | 4 Piece(s) |

#### Switching inputs

| | |
|---|---|
| **Type** | Digital switching input |
| **Switching voltage high, min.** | 24 V |
| **Switching voltage low, max.** | 0 V |
| **Voltage type** | DC |

##### Digital switching input 1

| | |
|---|---|
| **Assignment** | Connection 1, pin 1 |
| **Function** | Light color (red) through actuation of pin |

##### Digital switching input 2

| | |
|---|---|
| **Assignment** | Connection 1, pin 2 |
| **Function** | Acoustic signal (buzzer) via control of pin |

##### Digital switching input 3

| | |
|---|---|
| **Assignment** | Connection 1, pin 4 |
| **Function** | Light color (green) through actuation of pin |

##### Digital switching input 4

| | |
|---|---|
| **Assignment** | Connection 1, pin 5 |
| **Function** | Light color (orange) through actuation of pin |

## Connection

| | |
|---|---|
| **Number of connections** | 1 Piece(s) |

### Connection 1

| | |
|---|---|
| **Function** | Light color via control of pins |
| | Signal IN |
| | Voltage supply |
| **Type of connection** | Cable |
| **Cable length** | 500 mm |
| **Number of conductors** | 5 -wire |

## Mechanical data

| | |
|---|---|
| **Design** | Cylindrical |
| **Dimension (Ø x L)** | 50 mm x 190 mm |
| **Thread pitch** | 1.5 mm |
| **Housing material** | Metal |
| **Metal housing** | Aluminum |
| **Light area material** | Plastic, Polycarbonate |
| **Net weight** | 310 g |
| **Housing color** | Black |
| **Type of fastening, at system** | Screw type / vertical |
| **Type of illuminant** | LED/24V |
| **Lens modules** | 3 pieces, ready-made |
| **Signal image** | Continuous light |
| **Angle of radiation** | -90~+90° |
| **Sequence of the modules (ascending)** | red, orange, green |

## Environmental data

| | |
|---|---|
| **Ambient temperature, operation** | -20 ... 45 °C |
| **Ambient temperature, storage** | -40 ... 70 °C |

## Certifications

| | |
|---|---|
| **Degree of protection** | IP 40 |
| **Protection class** | III |
| **Approvals** | CE |

## Acoustic data

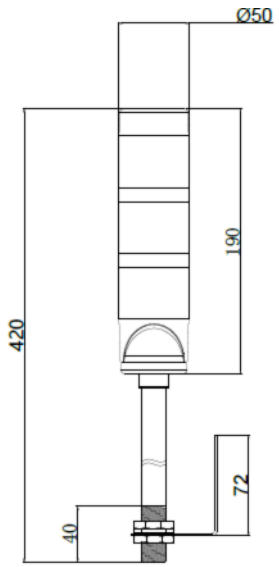
| | |
|---|---|
| **Tone type** | Continuous tone |
| **Sound pressure** | 90 dB |
| **Number of tones** | 1 Piece(s) |

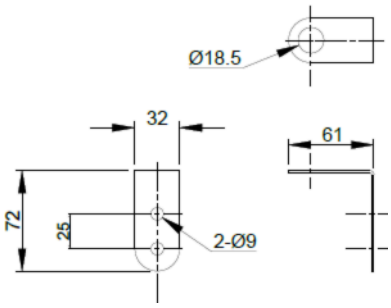
## Classification

| | |
|---|---|
| **Customs tariff number** | 85318070 |
| **ECLASS 5.1.4** | 27371230 |
| **ECLASS 8.0** | 27371230 |
| **ECLASS 9.0** | 27371230 |
| **ECLASS 10.0** | 27371230 |
| **ECLASS 11.0** | 27371230 |
| **ECLASS 12.0** | 27371230 |
| **ECLASS 13.0** | 27371230 |
| **ECLASS 14.0** | 27371230 |
| **ECLASS 15.0** | 27371230 |
| **ECLASS 16.0** | 27371230 |
| **ETIM 5.0** | EC001042 |
| **ETIM 6.0** | EC001042 |
| **ETIM 7.0** | EC001042 |
| **ETIM 8.0** | EC001042 |
| **ETIM 9.0** | EC001042 |
| **ETIM 10.0** | EC001042 |

# Dimensioned drawings

All dimensions in millimeters



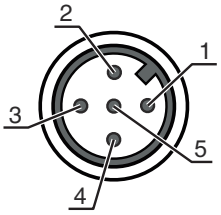




# Electrical connection

## Connection 1

| | |
|---|---|
| **Function** | Light color via control of pins |
| | Signal IN |
| | Voltage supply |
| **Type of connection** | Cable |
| **Selection of interface** | PNP / NPN switchable |
| **Cable length** | 500 mm |
| **Cable color** | Black |
| **Number of conductors** | 5 -wire |

| Conductor color | Conductor assignment |
|---|---|
| **Red** | Red LED |
| **Yellow** | Yellow LED |
| **Green** | Green LED |
| **Orange** | Buzzer |
| **Black** | GND |



# Diagrams

## Interconnection cable

