

## Technical data sheet

### Tower light

Part no.: 50149104

TL305-ROG-BZ-M12

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For illustration purposes only



## Technical data

### Basic data

|                   |                                   |
|-------------------|-----------------------------------|
| Series            | TL 305                            |
| Contains          | 1x M30 nut<br>1x rubber flat seal |
| Type of signaling | Optical and acoustic              |

### Electrical data

|                                    |            |
|------------------------------------|------------|
| <b>Performance data</b>            |            |
| Supply voltage $U_B$               | 24 V, DC   |
| Current consumption, max.          | 160 mA     |
| <b>Inputs</b>                      |            |
| 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)                                                     |
| <b>Connection 1</b>   |                                                                |
| Function              | Light color via control of pins<br>Signal IN<br>Voltage supply |
| Type of connection    | Connector                                                      |
| Thread size           | M12                                                            |
| Type                  | Male                                                           |
| Material              | Metal                                                          |
| No. of pins           | 5 -pin                                                         |
| Encoding              | A-coded                                                        |

### Mechanical data

|                                     |                      |
|-------------------------------------|----------------------|
| Design                              | Cylindrical          |
| Dimension (Ø x L)                   | 50.6 mm x 184 mm     |
| Thread size                         | M30 x 1.5 mm         |
| Housing material                    | Metal                |
| Metal housing                       | Aluminium, anodized  |
| Light area material                 | PolycarbonatePlastic |
| Net weight                          | 310 g                |
| Housing color                       | Gray                 |
| Type of illuminant                  | LED/24V              |
| Lens modules                        | 3 pieces, ready-made |
| Signal image                        | Continuous light     |
| Angle of radiation                  | 360°                 |
| Sequence of the modules (ascending) | Green, orange, red   |

### Environmental data

|                                |             |
|--------------------------------|-------------|
| Ambient temperature, operation | 0 ... 50 °C |
| Ambient temperature, storage   | 0 ... 50 °C |

### Certifications

|                      |       |
|----------------------|-------|
| Degree of protection | IP 20 |
| Protection class     | III   |
| Approvals            | UL    |

### Acoustic data

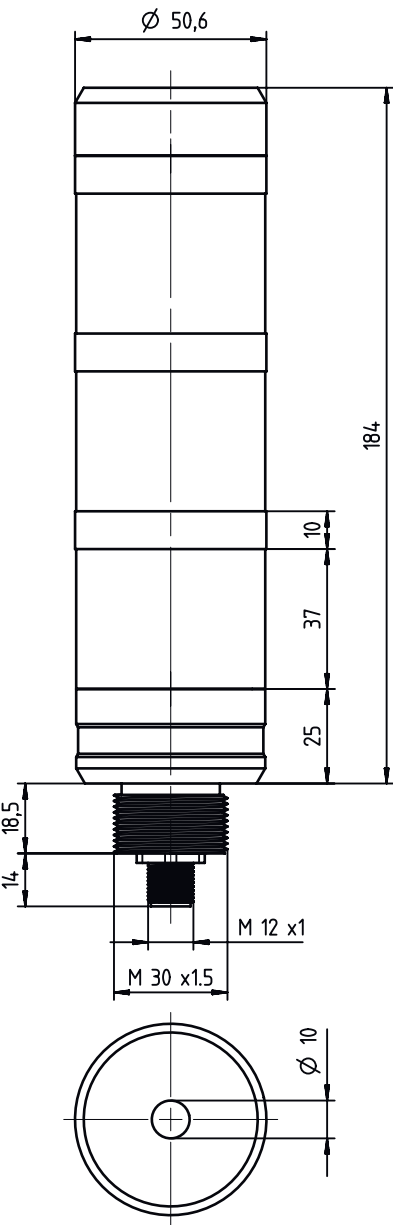
|                 |                 |
|-----------------|-----------------|
| Tone type       | Continuous tone |
| Sound pressure  | 95 dB           |
| Number of tones | 1 Piece(s)      |

### Classification

|              |          |
|--------------|----------|
| 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



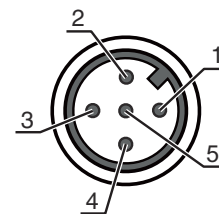
Electrical connection

Connection 1

|                    |                                 |
|--------------------|---------------------------------|
| Function           | Light color via control of pins |
|                    | Signal IN                       |
|                    | Voltage supply                  |
| Type of connection | Connector                       |
| Thread size        | M12                             |
| Type               | Male                            |
| Material           | Metal                           |
| No. of pins        | 5 -pin                          |
| Encoding           | A-coded                         |

## Electrical connection

| Pin | Pin assignment | Conductor color |
|-----|----------------|-----------------|
| 1   | Red LED        | Brown           |
| 2   | Buzzer         | White           |
| 3   | GND            | Blue            |
| 4   | Green LED      | Black           |
| 5   | Orange LED     | Gray            |



## Accessories

### Connection technology - Connection cables

|                                                                                   | Part no. | Designation        | Article          | Description                                                                                                                                                                                                          |
|-----------------------------------------------------------------------------------|----------|--------------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | 50132079 | KD U-M12-5A-V1-050 | Connection cable | Application: Chemical resistant<br>Connection 1: Connector, M12, Axial, Female, A-coded, 5 -pin<br>Connector, LED: No<br>Connection 2: Open end<br>Shielded: No<br>Cable length: 5,000 mm<br>Sheathing material: PVC |

### Connection technology - Interconnection cables

|                                                                                     | Part no. | Designation                | Article               | Description                                                                                                                                                                                                                        |
|-------------------------------------------------------------------------------------|----------|----------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | 50133298 | KDS U-M12-5A-M12-5A-V1-050 | Interconnection cable | Application: Chemical resistant<br>Connection 1: Connector, M12, Axial, Female, A-coded, 5 -pin<br>Connection 2: Connector, M12, Axial, Male, A-coded, 5 -pin<br>Shielded: No<br>Cable length: 5,000 mm<br>Sheathing material: PVC |

## Mounting

|                                                                                     | Part no. | Designation     | Article             | Description                                                                        |
|-------------------------------------------------------------------------------------|----------|-----------------|---------------------|------------------------------------------------------------------------------------|
|  | 50149110 | TL305-AC.EP.100 | Tower light element | Design: Cylindrical<br>Version: Extension pipe<br>Fastening, at system: Screw type |
|   | 50149111 | TL305-AC.MB1    | Tower light element | Design: L shape<br>Version: Angle, L-shape<br>Fastening, at system: Screw type     |
|   | 50149109 | TL305-AC.MF.65  | Tower light element | Design: Cylindrical<br>Version: Mounting base<br>Fastening, at system: Screw type  |

Accessories

| Note                                                                             |                                                                                                                                  |
|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
|  | <p>A list with all available accessories can be found on the Leuze website in the Download tab of the article detailed page.</p> |