

## Technical data sheet

### Tower light

Part no.: 50149107

TL305-ROGBW-M12



For illustration purposes only

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## Technical data

### Basic data

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

### Electrical data

|                                    |            |
|------------------------------------|------------|
| <b>Performance data</b>            |            |
| Supply voltage $U_B$               | 24 V, DC   |
| Current consumption, max.          | 185 mA     |
| <b>Inputs</b>                      |            |
| Number of digital switching inputs | 5 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 (green) through actuation of pin |

#### Digital switching input 2

|            |                                               |
|------------|-----------------------------------------------|
| Assignment | Connection 1, pin 2                           |
| Function   | Light color (orange) through actuation of pin |

#### Digital switching input 3

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

#### Digital switching input 4

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

#### Digital switching input 5

|            |                                            |
|------------|--------------------------------------------|
| Assignment | Connection 1, pin 6                        |
| Function   | Light color (red) 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           | 8 -pin                                                         |
| Encoding              | A-coded                                                        |

### Mechanical data

|                                     |                                 |
|-------------------------------------|---------------------------------|
| Design                              | Cylindrical                     |
| Thread size                         | M30 x 1.5 mm                    |
| Dimension (Ø x L)                   | 50.6 mm x 259 mm                |
| Housing material                    | Metal                           |
| Metal housing                       | Aluminium, anodized             |
| Light area material                 | PolycarbonatePlastic            |
| Net weight                          | 350 g                           |
| Housing color                       | Gray                            |
| Type of illuminant                  | LED/24V                         |
| Lens modules                        | 5 pieces, ready-made            |
| Signal image                        | Continuous light                |
| Angle of radiation                  | 360°                            |
| Sequence of the modules (ascending) | White, blue, green, orange, red |

### Environmental data

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

### Certifications

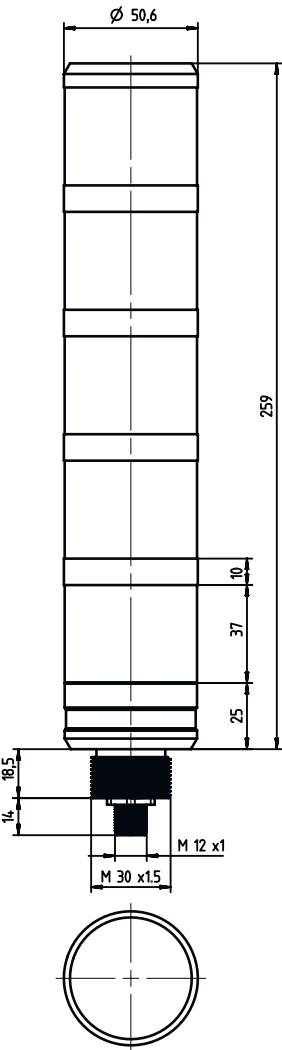
|                      |       |
|----------------------|-------|
| Degree of protection | IP 65 |
| Protection class     | III   |
| Certifications       | UL    |

### 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 |
| ETIM 5.0     | EC001042 |
| ETIM 6.0     | EC001042 |
| ETIM 7.0     | EC001042 |
| ETIM 8.0     | EC001042 |
| ETIM 9.0     | EC001042 |

Dimensioned drawings

All dimensions in millimeters



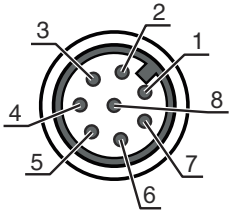
Electrical connection

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        | 8 -pin                          |
| Encoding           | A-coded                         |

Electrical connection

| Pin | Pin assignment | Conductor color |
|-----|----------------|-----------------|
| 1   | Green LED      | White           |
| 2   | Orange LED     | Brown           |
| 3   | n.c.           | Green           |
| 4   | White LED      | Yellow          |
| 5   | Blue LED       | Gray            |
| 6   | Red LED        | Pink            |
| 7   | GND            | Blue            |
| 8   | n.c.           | Red             |



Accessories

Connection technology - Connection cables

|  | Part no. | Designation        | Article          | Description                                                                                                                                                                       |
|--|----------|--------------------|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | 50135122 | KD U-M12-8A-P1-050 | Connection cable | Connection 1: Connector, M12, Axial, Female, A-coded, 8 -pin<br>Connector, LED: No<br>Connection 2: Open end<br>Shielded: No<br>Cable length: 5.000 mm<br>Sheathing material: PUR |

Muting - Mounting systems

|  | Part no. | Designation  | Article             | Description                                                                    |
|--|----------|--------------|---------------------|--------------------------------------------------------------------------------|
|  | 50149111 | TL305-AC.MB1 | Tower light element | Design: L shape<br>Version: Angle, L-shape<br>Fastening, at system: Screw type |

Mounting

|  | Part no. | Designation     | Article             | Description                                                                                           |
|--|----------|-----------------|---------------------|-------------------------------------------------------------------------------------------------------|
|  | 50149110 | TL305-AC.EP.100 | Tower light element | Design: Cylindrical<br>Diameter: 35 mm<br>Version: Extension pipe<br>Fastening, at system: Screw type |
|  | 50149109 | TL305-AC.MF.65  | Tower light element | Design: Cylindrical<br>Diameter: 98 mm<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> |