

Technical data sheet

Tower light

Part no.: 50149108

TL305-ROGBW-BZ-M12

Contents

- Technical data
- Dimensioned drawings
- Electrical connection
- Accessories



For illustration purposes only



Technical data

Basic data

Series	TL 305
Contains	1x M30 nut 1x rubber flat seal
Type of signaling	Optical and acoustic

Electrical data

Performance data	
Supply voltage U_B	24 V, DC
Current consumption, max.	205 mA
Inputs	
Number of digital switching inputs	6 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

Digital switching input 6

Assignment	Connection 1, pin 8
Function	Acoustic signal (buzzer) via control 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	Connector
Thread size	M12
Type	Male
Material	Metal
No. of pins	8 -pin
Encoding	A-coded

Mechanical data

Design	Cylindrical
Dimension ($\varnothing$ x L)	50.6 mm x 278 mm
Thread size	M30 x 1.5 mm
Housing material	Metal
Metal housing	Aluminium, anodized
Light area material	PolycarbonatePlastic
Net weight	390 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 20
Protection class	III
Approvals	UL

Acoustic data

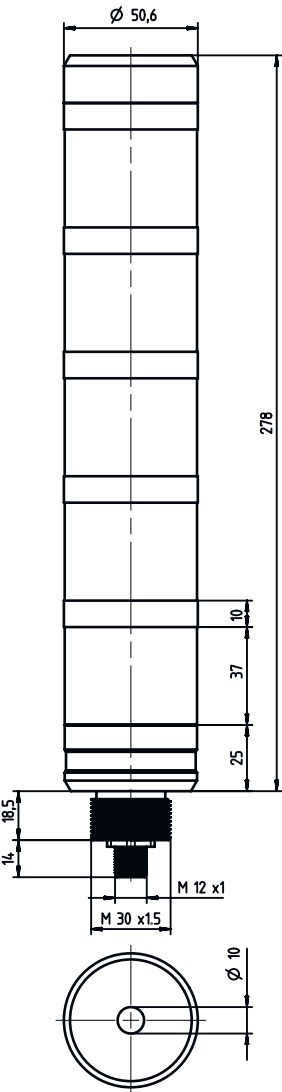
Tone type	Continuous tone
Sound pressure	95 dB
Number of tones	1 Piece(s)

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



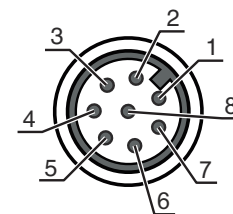
Electrical connection

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	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	Buzzer	Red



Accessories

Connection technology - Connection cables

	Part no.	Designation	Article	Description
	50135122	KD U-M12-8A-P1-050	Connection cable	Application: Oil and lubricant resistant Connection 1: Connector, M12, Axial, Female, A-coded, 8-pin Connector, LED: No Connection 2: Open end Shielded: No Cable length: 5,000 mm Sheathing material: PUR

Mounting

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

Note



A list with all available accessories can be found on the Leuze website in the Download tab of the article detailed page.