Technical data sheet
Tower light
Part no.: 50155285
TL105-32S-ROG-BZ-050-FD



For Illustration purposes only

Contents

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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	Open end
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

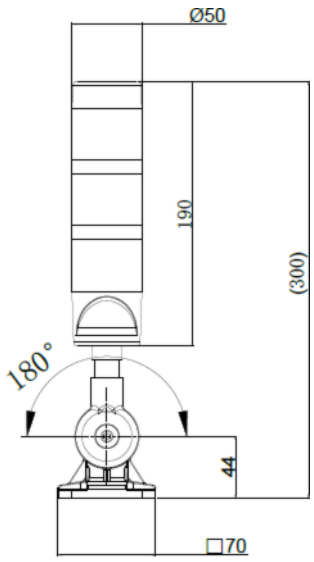
Tone type	Continuous tone
Sound pressure	90 dB
Number of tones	1 Piece(s)

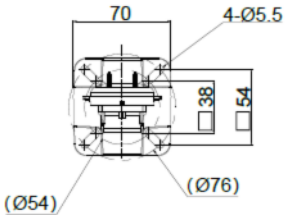
Classification

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



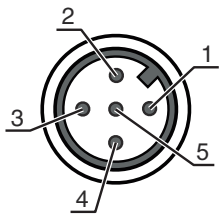


Electrical connection

Connection 1

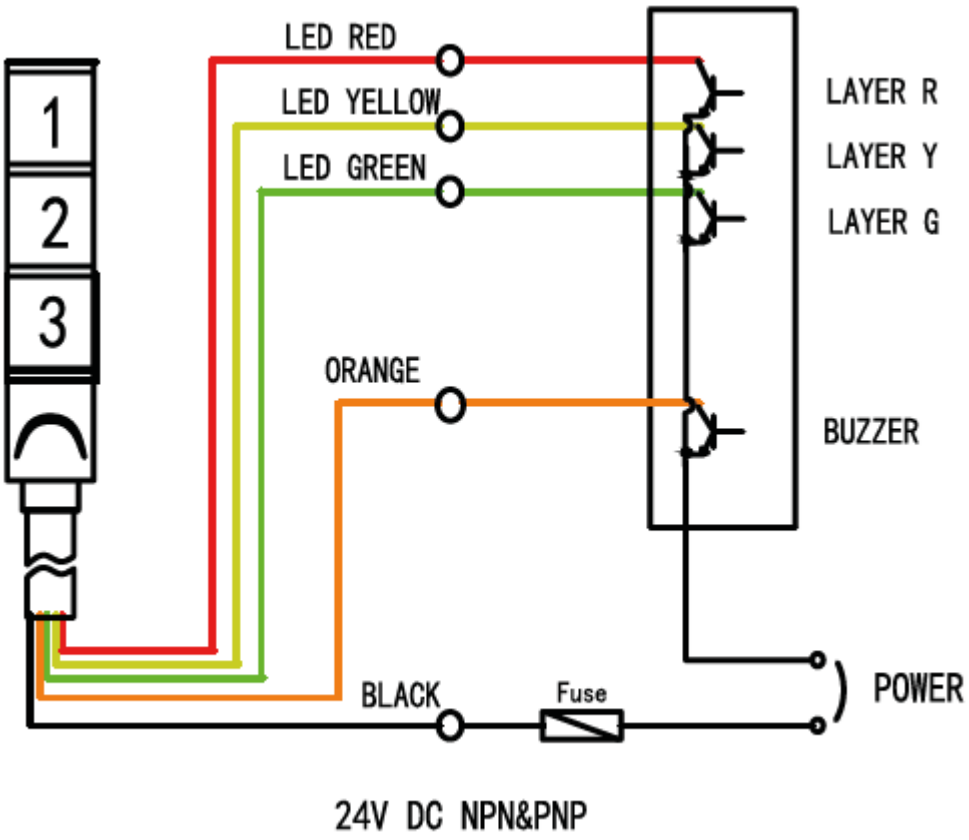
Function	Light color via control of pins
	Signal IN
	Voltage supply
Type of connection	Open end
Selection of interface	PNP / NPN switchable
Cable length	500 mm
Cable color	Black
Number of conductors	5 -wire

Conductor color	Conductor assignment
Red	Red LED
Yellow	Yellow LED
Green	Green LED
Orange	Buzzer
Black	GND

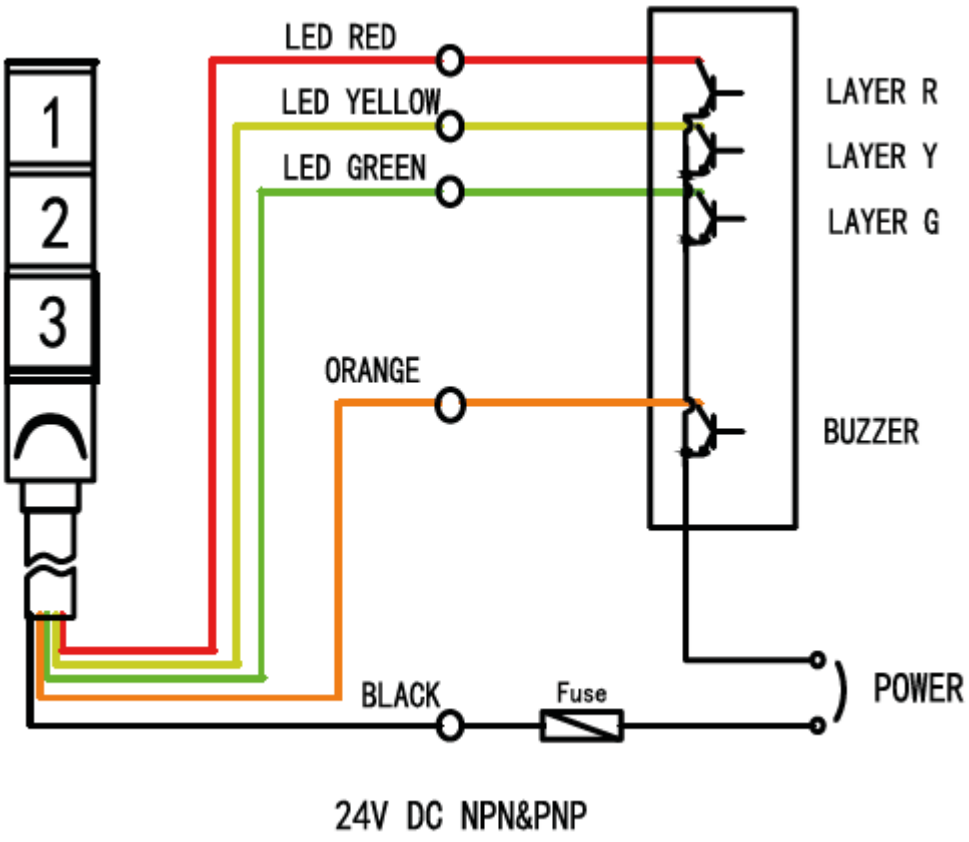


Diagrams

Interconnection cable



Diagrams


LED RED
LED YELLOW
LED GREEN
ORANGE
BLACK
Fuse
1
2
3
LAYER R
LAYER Y
LAYER G
BUZZER
POWER
24V DC NPN&PNP