

SVLEC

EARNEST WORKING AND INHERIT WITH HEART >>>

Pursuit of **excellence** and **refinement**

COMPANY INTRODUCTION^o

SVLEC founded in 2018 and currently headquartered in Suzhou, Jiangsu Province, with a total plant area of 24,000 square meters and more than 300 employees, is a customer-centric, technology-oriented national high-tech enterprise, the company is mainly committed to the development, production and sales of connection technology, industrial networks, sensors, power systems, identification technology, security technology and other products.



Chapter 5

LED Light



A5.1

Signal Light

A5.2

Tower Light



A5.3

Indicator Light



LED Light



Increased productivity

Improve product quality

Cost reduction

More information please visit
www.svltec.com

LED LIGHT

Ordering information (GLZT LED Light)

LED industrial lighting solutions, beautiful selection, excellent quality, high efficiency and energy saving, service life up to 50,000 hours, firm and durable, with shock-proof housing, suitable for various industrial applications, including machine lighting, closed area lighting, visual inspection lighting, workshop lighting, etc. DC low-voltage power supply can be controlled by PLC or other control system, so as to further achieve the effect of energy saving.



GLZT1



GLZT3

GLZT3 - 1 06 - 1 - X

Industrial LED

GLZT1 = Cabinet Lamp

GLZT3 = Strip LED Lamp

Color temperature

1= White

Power

06 = 6 W

12 = 12W

18 = 18 W

24 = 24 W

30 = 30 W

Supply voltage

1 = 12 ~ 24 DC

3 = 12 ~ 24 AC

2 = 85 ~ 265 AC 50/60Hz

Terminations technology

M12 = M12x4 (DC:M12*4 pin; AC:M12*5pin)

2M12 = Double port M12x4MalePANELMOUNT

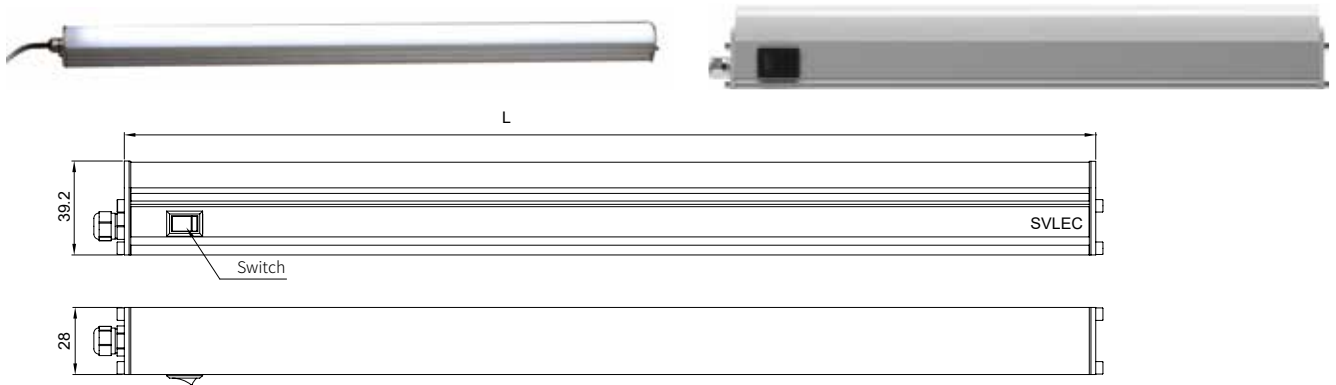
(DC:M12*4pin; AC:M12*5pin)

0.5M= 0.5 m (default)

LED LIGHT



GLZT1 Cabinet lamp



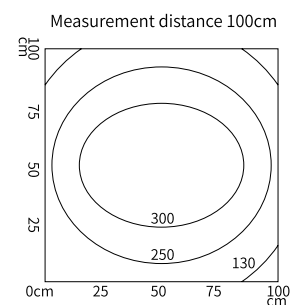
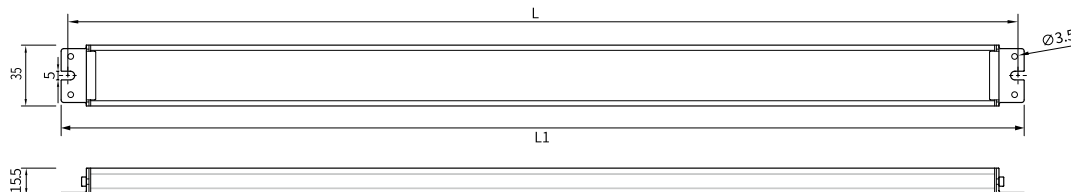
Type	Part No.	Input Voltage	Power	Color Temperature	Luminous Flux	(L) Total Length
GLZT1-106-1-X	711061-X	24V DC	6 W	6000K~6500K	600 lm	600 mm
GLZT1-106-2-X	711062-X	85~265V AC 50/60Hz	6 W	6000K~6500K	600 lm	600 mm
GLZT1-109-1-X	711091-X	24V DC	9W	6000K~6500K	900 lm	900 mm
GLZT1-109-2-X	711092-X	85~265V AC 50/60Hz	9W	6000K~6500K	900 lm	900 mm
GLZT1-112-1-X	711121-X	24V DC	12 W	6000K~6500K	1200 lm	1200 mm
GLZT1-112-2-X	711122-X	85~265V AC 50/60Hz	12 W	6000K~6500K	1200 lm	1200 mm

Note: X=connection type: 1、DC: M12=M12x4 P, 2M12=Both side M12x4P AC: M12=M12x5P, 2M12=Both side M12x5P
2、Normally 1.5M

GLZT2 Cabinet lamp



Installation Dimension



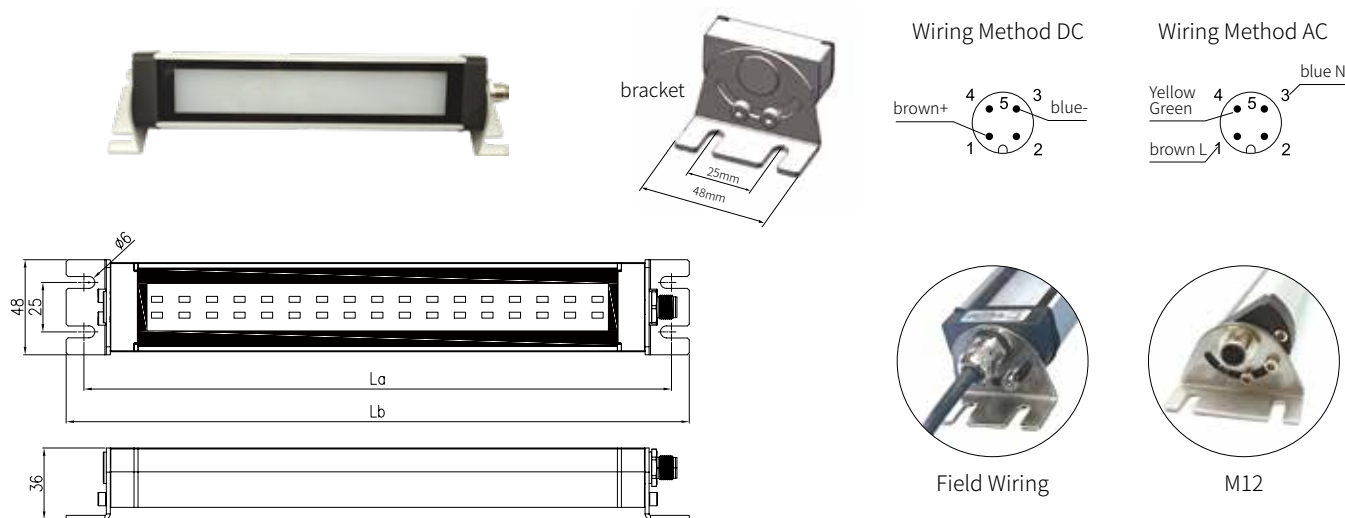
illuminate based on the example 10W UNIT:lx

Type	Part No.	Power	L (mm)	L1 (mm)	(In. Vol)	Color Temperature
GLZT2-105-1-X	721051-X	5 W	215 mm	223mm	24V DC	6000K~6500K
GLZT2-110-1-X	721101-X	10 W	380 mm	388 mm	24V DC	6000K~6500K
GLZT2-115-1-X	721151-X	15 W	545 mm	553 mm	24V DC	6000K~6500K
GLZT2-120-1-X	721201-X	20 W	735 mm	743 mm	24V DC	6000K~6500K
GLZT2-125-1-X	721251-X	25 W	900 mm	908 mm	24V DC	6000K~6500K
GLZT2-130-1-X	721301-X	30 W	1065 mm	1073 mm	24V DC	6000K~6500K

Note: X represents cable length, default 1.5M=1.5 meters.

LED LIGHT

GLZT3 Strip LED lamp



1 Technical parameters

Electronic Control Gear: Driver Class of
Protection: I or III
Luminaire of Protection: IP67
Diameter of Tube: Ø45 mm

2 Features

1. Good functions of Water proof,oil proof,anti-corrosion and anti-riot;
2. Uniform distribution of light, strong colorrendering, good lighting effect;
3. Easy installation and low maintenance;
4. The LED chips of light source are imported from USA, it has good performance of low power consumption, high efficiency and long life time;
5. The high quality of AC/DC LED driver with the good parameters of low power consumption, protect circuit function and long life time;
6. High-quality aluminium and transparent toughened glass with good heat dissipation;
7. The quality of waterproof connector,aluminum PCB, silicone rubber sealing ring and reflector/lens;
8. Color rendering index >80;
9. Abient working temperature: -25°C ~+55°C.

3 Application

CNC machine tools, machine tool,
machining center, cold storage,
electrical cabinet, freezer, mine and
other lighting.

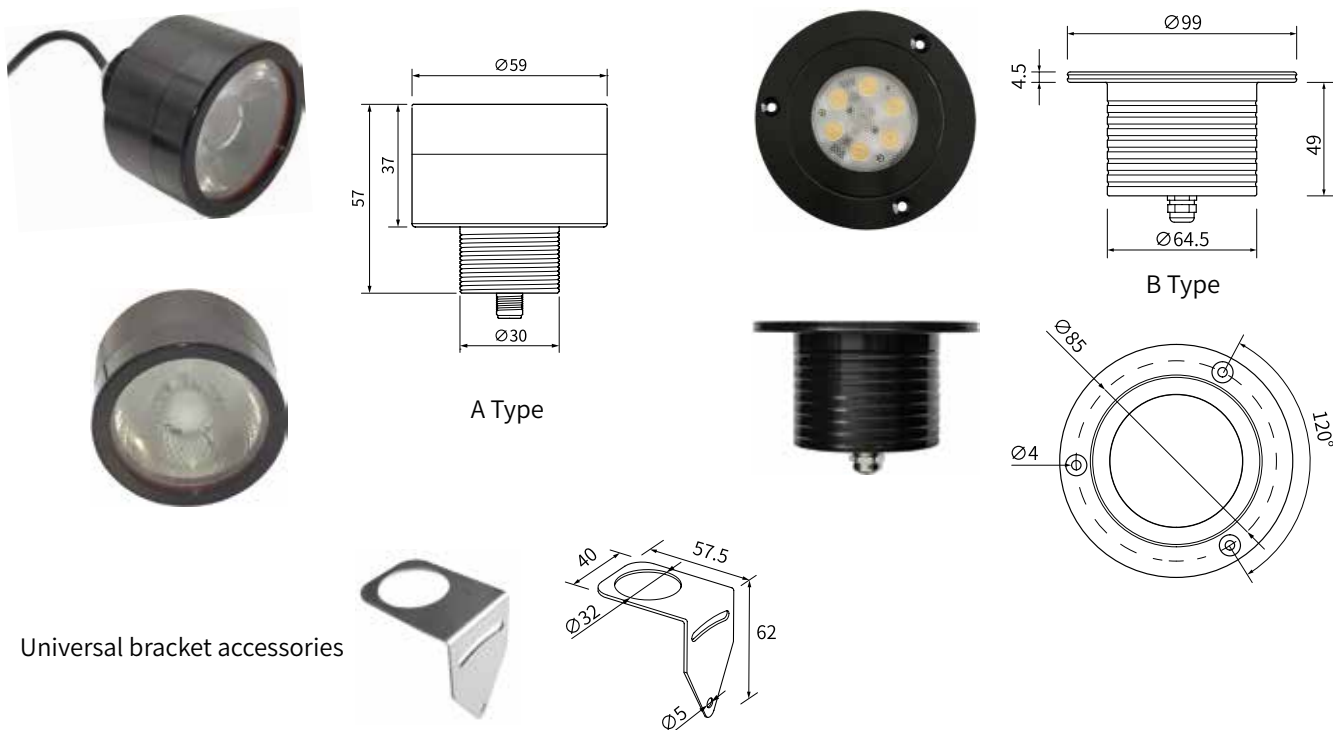
Type	Part No.	Input Voltage	Power	Color Temperature	La Installtion Dimension	Lb Installtion Dimension	Luminous Dlux
GLZT3-106-1-X	731061-X	12~24V DC/AC	6 W	6000K~6500K	297 mm	315 mm	600 lm
GLZT3-106-2-X	731062-X	85~265V AC 50/60Hz	6 W	6000K~6500K	297 mm	315 mm	600 lm
GLZT3-112-1-X	731121-X	12~24V DC/AC	12 W	6000K~6500K	418 mm	436 mm	1200 lm
GLZT3-112-2-X	731122-X	85~265V AC 50/60Hz	12 W	6000K~6500K	418 mm	436 mm	1200 lm
GLZT3-118-1-X	731181-X	12~24V DC/AC	18 W	6000K~6500K	559 mm	613 mm	1800 lm
GLZT3-118-2-X	731182-X	85~265V AC 50/60Hz	18 W	6000K~6500K	559 mm	613 mm	1800 lm
GLZT3-124-1-X	731241-X	12~24V DC/AC	24 W	6000K~6500K	784 mm	802 mm	2400 lm
GLZT3-124-2-X	731242-X	85~265V AC 50/60Hz	24 W	6000K~6500K	784 mm	802 mm	2400 lm
GLZT3-130-1-X	731301-X	12~24V DC	30 W	6000K~6500K	1008 mm	1026 mm	3000 lm
GLZT3-130-2-X	731302-X	85~265V AC 50/60Hz	30 W	6000K~6500K	1008 mm	1026 mm	3000 lm

Note Xis wiring method: AC: M12=M12x5 pin Male Panel Mount, 2M12= Doubleport M12x5 pin Male Panel Mount.

DC: M12=M12x4pin Male Panel Mount, 2M12=Double port M12x4pin Male Panel Mount, 1.5M=1.5m (default) 。

Two Strip LED lamp connection cable M12 female right M12 female straight, Type: 940023-214-xxxx

GLZT4 Small Spot LED Light



1 Features

- 1、With waterproof, oil-proof, corrosion-proof and explosion-proof functions
- 2、Uniform light distribution, strong color rendering, good lighting effect, no glare
- 3、Small size, easy installation and low maintenance rate

2 Application

CNC machine tools, machine tool, machining center, cold storage, electrical cabinet, freezer, mine and other lighting.

Type	Part No.	Power	Connection	L (mm)	(In. Vol)	Color Temperature
GLZT4-106A-1-M12	7410611-M12	5 W	M12	59 mm	24V DC	6000K ~ 6500K
GLZT4-106B-1-M12	7410612-M12	6W	M12	99mm	24V DC	6000K ~ 6500K
GLZT4-106A-1-1M	7410611-0100	5 W	With 1 M	59 mm	24V DC	6000K ~ 6500K
GLZT4-106B-1-1M	7410612-0100	6W	With 1 M	99mm	24V DC	6000K ~ 6500K

LED LIGHT

Ordering information (GLTD Signal Light)

GLTD1 - 3 01 B P S - RYG - 1.5

Material quality

GLTD1 = Towerlamp multi-layer lampshade
transparent acrylic
GLZD3 = Indicator light globe diameter 30mm
GLZD4 = Indicator light globe diameter 50mm
GLZD7 = Touch signal light

Color Layer Number

3 = Layers

Rated current

01 = DC 24V

Type

B = Steady
F = Steady with Buzzer

Default 1.5m
M12/ Spherical light optional

Signal Color

R = Red
Y = Yellow
G = Green

form

S = All-in-one
L= Straight rod type
blank = fold

Connection mode

P = DC 24V NPN
N =DC 24V PNP



GLTD1

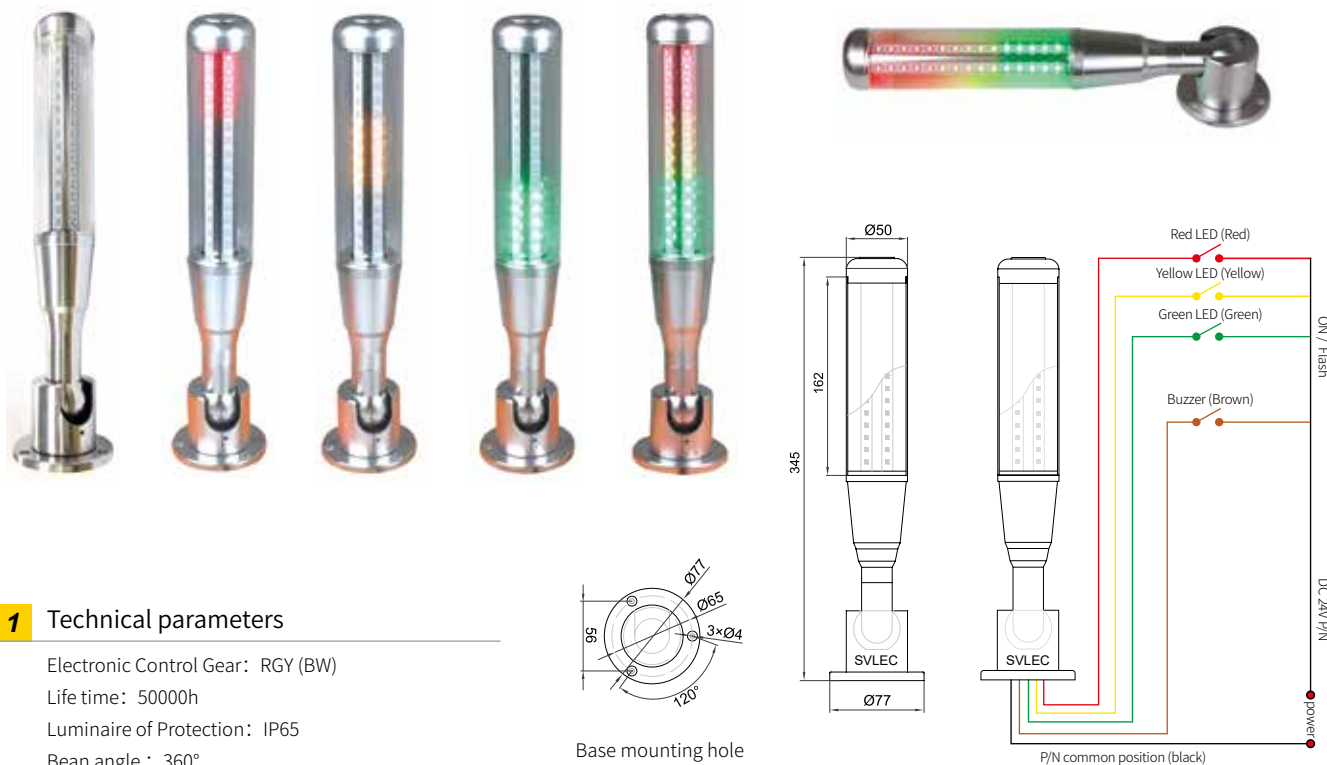
Signal Tower series based on LED light source design, long service life, no maintenance. The model is rich, unique, firm and durable. It is assembled by the factory and has a variety of installation accessories. Various models can provide customers with customized solutions, including AC, DC power selection, three alarm output options, standard or high brightness selection, and fast connector or cable selection.



GLTD3/4

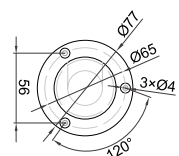
Indicators are of high brightness and various types, and can be clearly visible even in the daytime. SVLEC indicator products are durable, long service life, no need to install protective boxes. Dimensions, sizes and installation methods are diverse, providing exclusive solutions for various status indication applications.

GLTD1 LED Multi-Functional Signal Light



1 Technical parameters

Electronic Control Gear: RGY (BW)
Life time: 50000h
Luminaire of Protection: IP65
Beam angle : 360°



Base mounting hole

2 Features

- 1、Efficient LED multi signal lamps meets the various needs with good price;
- 2、High bright LED improving the visual performance of long distance;
- 3、With red/yellow/green color led improving the color recognition effect;
- 4、Easy installation and dismounting;
- 5、The lamp body is made of high quality aluminum,with good thermal and shock resistance,it looks more modern and it is collapsible;
- 6、The lampshade is made of transparent Acrylic , with good function of thermal and shock resistance.

3 Application

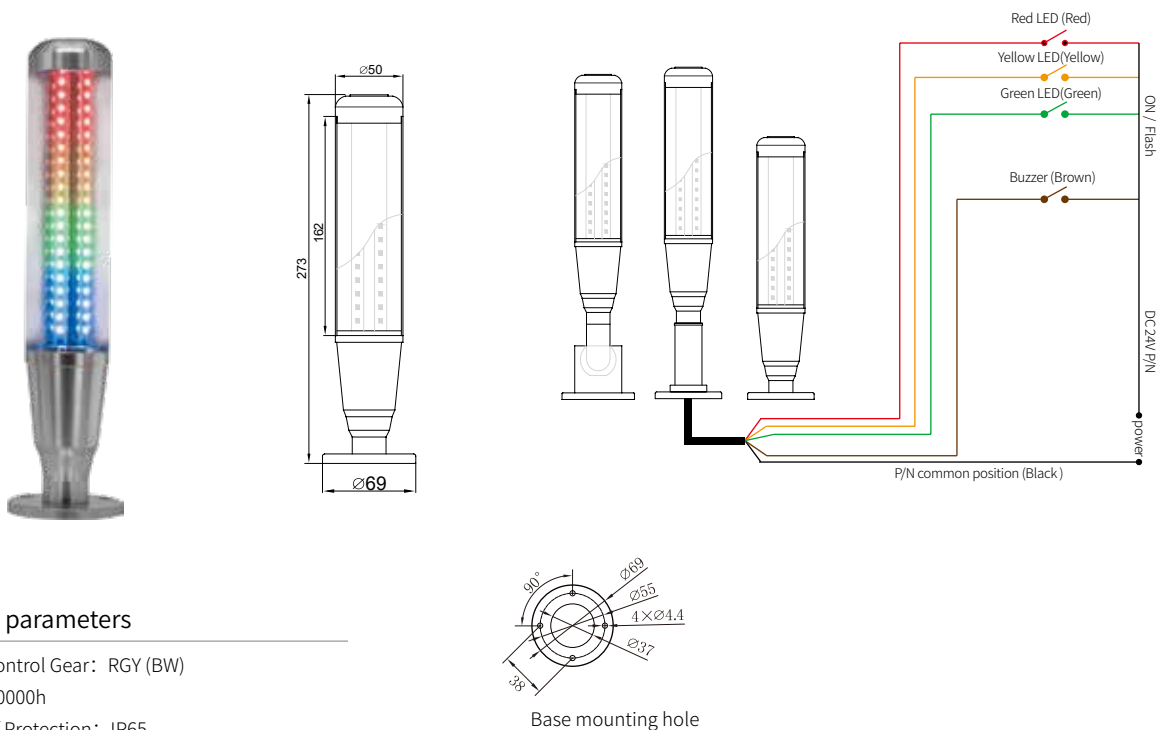
CNC machine tools, machine tool, machining center, security equipment, laser equipment, assembly line, security system and other lighting.

Type	Part No.	Input Voltage	Type	Termination methods	Signal Color	Designation	Buzzer
GLTD1-301-BP	813011	DC 24V	ON	DC 24V +	Red, Yellow, Green	50 mm	NO
GLTD1-301-BN	813012	DC 24V	ON	DC 24V -	Red, Yellow, Green	50 mm	NO
GLTD1-301-FP	813013	DC 24V	ON	DC 24V +	Red, Yellow, Green	50 mm	YES
GLTD1-301-FN	813014	DC 24V	ON	DC 24V -	Red, Yellow, Green	50 mm	YES

- 1、The installation form of the above products is foldable
- 2、The default is 3 layers. If you need 4 or 5 layers, please consult us.

LED LIGHT

GLTD1 LED Multi-Functional Signal Light



1 Technical parameters

Electronic Control Gear: RGY (BW)
Life time: 50000h
Luminaire of Protection: IP65
Beam angle : 360°

2 Features

- 1、Efficient LED multi signal lamps meets the various needs with good price;
- 2、High bright LED improving the visual performance of long distance;
- 3、With red/yellow/green color led improving the color recognition effect;
- 4、Easy installation and dismounting;
- 5、The lamp body is made of high quality aluminum,with good thermal and shock resistance,it looks more modern;
- 6、The lampshade is made of transparent Acrylic , with good function ofthermal and shock resistance.

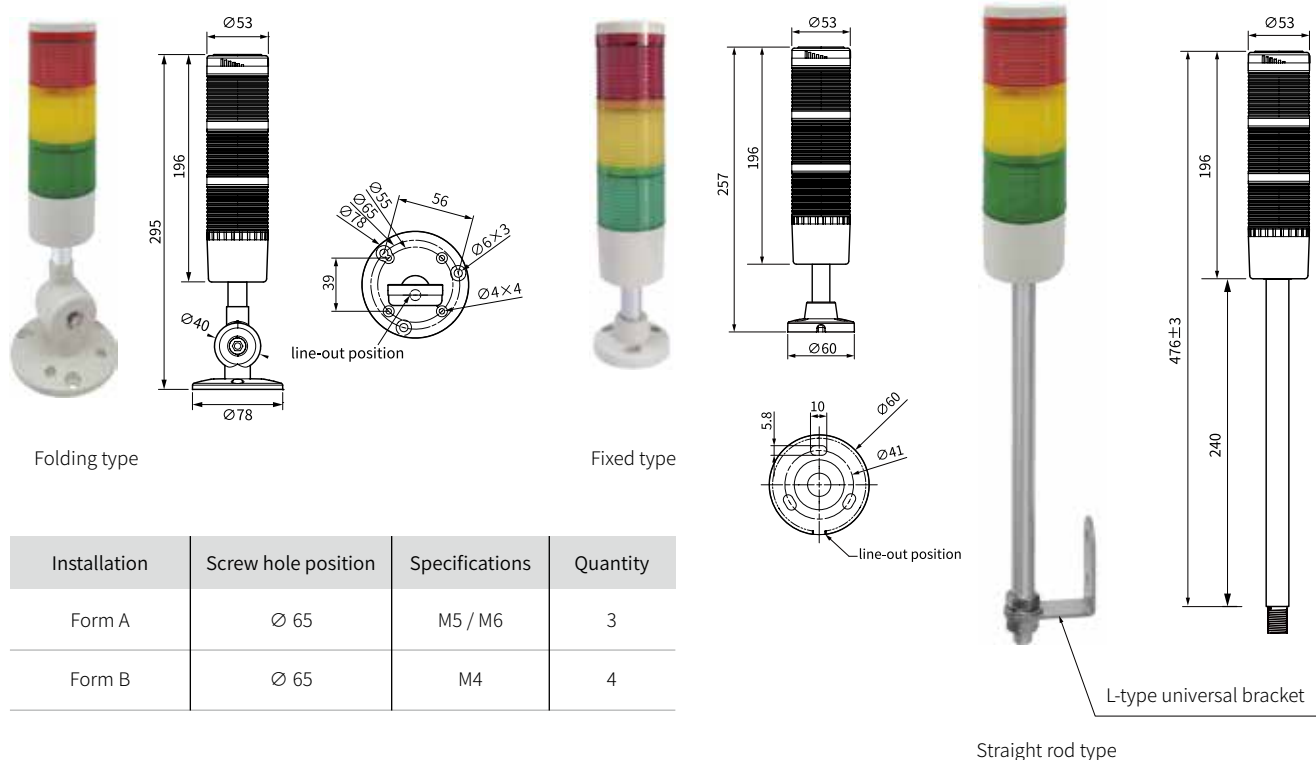
3 Application

CNC machine tools, machine tool, machining center, security equipment, laser equipment, assembly line, security system and other lighting.

Type	Part No.	Input Voltage	Type	Termination methods	Signal Color	Designation	Buzzer
GLTD1-301-BPS	813015	DC 24V	ON	DC 24V +	Red, Yellow, Green	50 mm	NO
GLTD1-301-BNS	813016	DC 24V	ON	DC 24V -	Red, Yellow, Green	50 mm	NO
GLTD1-301-FPS	813017	DC 24V	ON	DC 24V +	Red, Yellow, Green	50 mm	YES
GLTD1-301-FNS	813018	DC 24V	ON	DC 24V -	Red, Yellow, Green	50 mm	YES

The default is 3 layers. If you need 4 or 5 layers, please consult us.

GLTD7 series LED Multi-Functional Signal Light

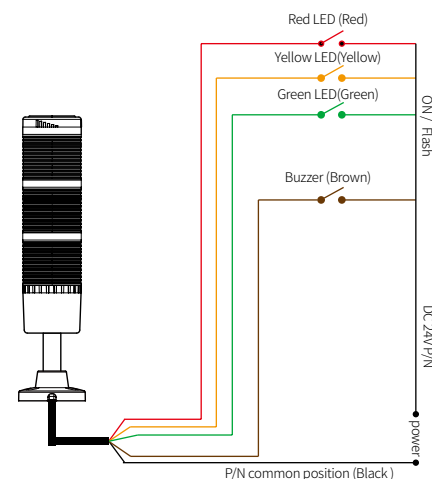


1 Features

- 1、The hybrid prism cuts the lampshade to improve the long-distance visual performance
- 2、Use of double mirror structure to produce vivid color recognition effect with minimal LED
- 3、The lamp body is made of nylon 66, heat and shock resistance

2 Application

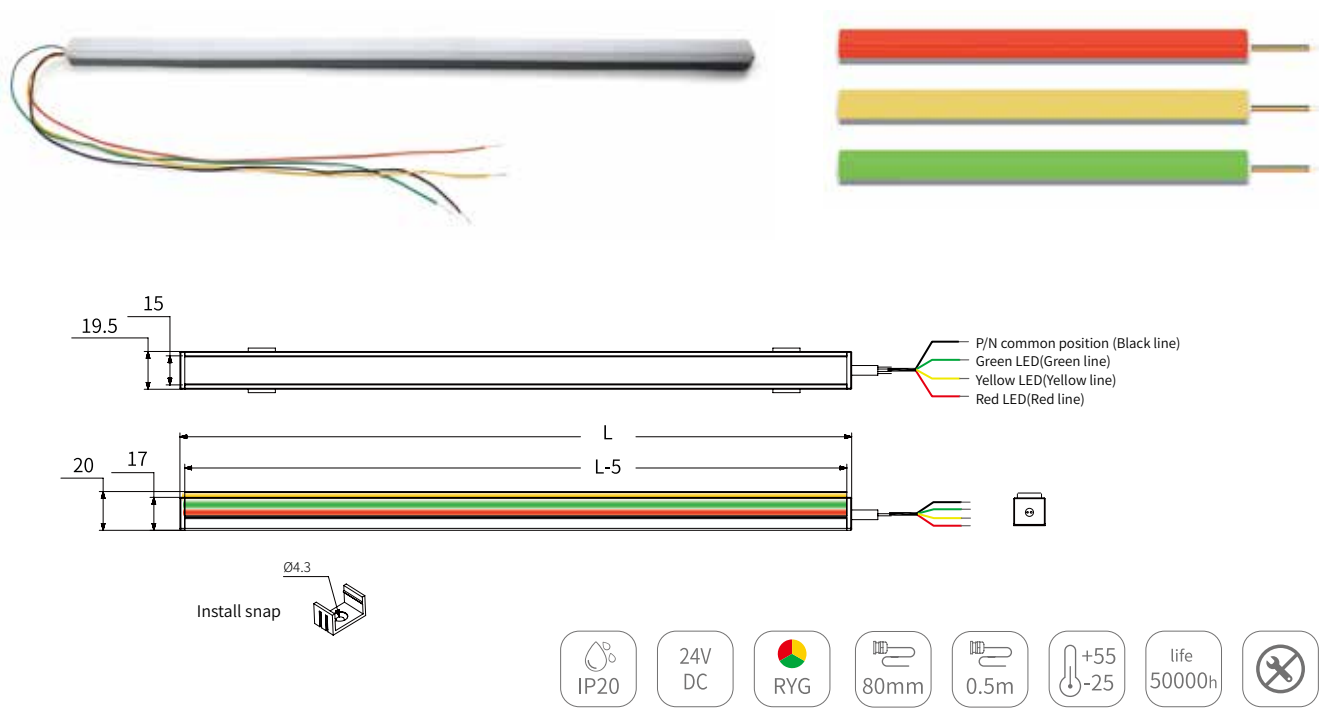
CNC machine tools, machine tool, machining center, security equipment, laser equipment, assembly line, security system and other places.



Name	Type	Part No.	Input Voltage	Signal Color	Designation	Buzzer
Folding type	GLTD7-301FPN-RYG	873011	DC 24V	Red, Yellow, Green	53 mm	YES
Fixed type	GLTD7-301FPNS-RYG	873012	DC 24V	Red, Yellow, Green	53 mm	YES
Straight rod type	GLTD7-301FPNL-RYG	873013	DC 24V	Red, Yellow, Green	53 mm	YES

LED LIGHT

GLTD8 series LED Multi-Functional Signal Light



1 Features

- 1、High efficiency LED multi-function strip, high cost performance
- 2、Acrylic lamp shade with high light transmittance, anti-glare
- 3、The lamp body is made of aluminum alloy, easy to dissipate heat and resist impact

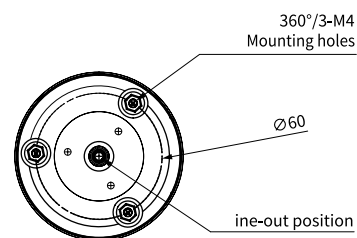
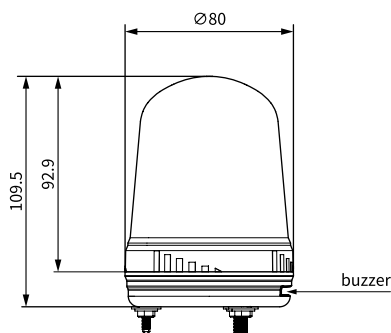
2 Application

CNC machine tools, machine tool, machining center, security equipment, laser equipment, assembly line, security system and other lighting.

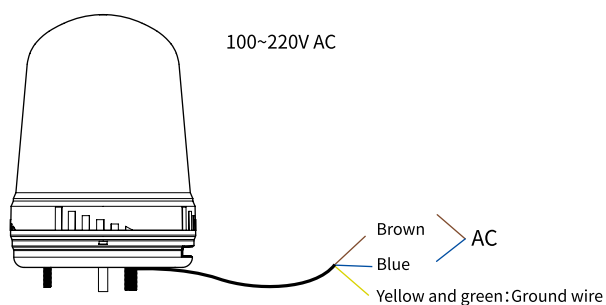
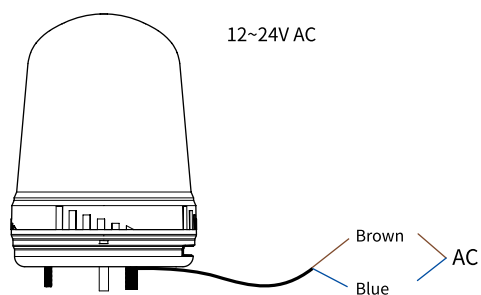
Type	Part No.	L(mm)	Input Voltage	Termination methods
GLTD8-40-BP	883041	400	DC 24V	+ (NPN type)
GLTD8-40-BN	883042	400	DC 24V	- (PNP type)
GLTD8-60-BP	883061	600	DC 24V	+ (NPN type)
GLTD8-60-BN	883062	600	DC 24V	- (PNP type)
GLTD8-80-BP	883081	800	DC 24V	+ (NPN type)
GLTD8-80-BN	883082	800	DC 24V	- (PNP type)
GLTD8-100-BP	883101	1000	DC 24V	+ (NPN type)
GLTD8-100-BN	883102	1000	DC 24V	- (PNP type)

LED LIGHT

GLTD9 Sound and Light Signal Light



Wiring diagram:



1 Features

- 1、Strobe, shiny, flash, steady, buzzer warning mode
- 2、Hybrid prism cut lampshade to diffuse bright signal light
- 3、Excellent vibration and impact resistance
- 4、High-quality high-performance LED, long service life

2 Application

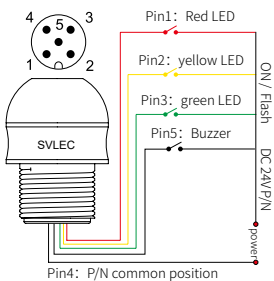
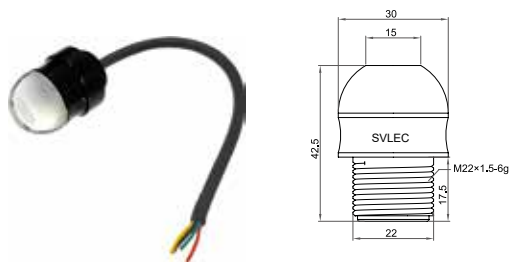
Lifting machinery, construction machinery, ports, transportation, security equipment and other places.

Type	Part No.	Input Voltage	Type	Termination methods	Signal Color	Designation	Buzzer
GLTD9-101-FS	891010	AC 24V	Rotate & flash	As above	Red	80 mm	YES

LED LIGHT

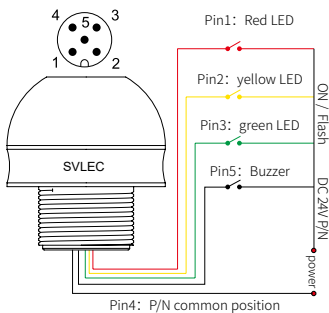
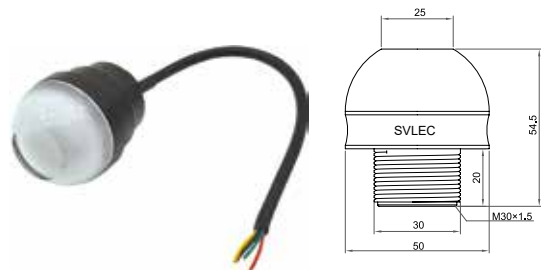
GLZD Multi-Functional Signal Light

O30 alarm light



Type	Part No.	Input Voltage	Type	Termination methods	Signal Color	Designation	Buzzer
GLZD3-301-BP-X	833011	DC 24V	ON	DC 24V +	Red, Yellow, Green	22 mm	NO
GLZD3-301-BN-X	833012	DC 24V	ON	DC 24V -	Red, Yellow, Green	22 mm	NO
GLZD3-301-FP-X	833013	DC 24V	ON	DC 24V +	Red, Yellow, Green	22 mm	Yes
GLZD3-301-FN-X	833014	DC 24V	ON	DC 24V -	Red, Yellow, Green	22 mm	Yes

Note: X=Connection type: M12=M12x4P, 1.5M=1.5 M cable



Type	Part No.	Input Voltage	Type	Termination methods	Signal Color	Designation	Buzzer
GLZD4-301-BP-X	843011	DC 24V	ON	DC 24V +	Red, Yellow, Green	30 mm	NO
GLZD4-301-BN-X	843012	DC 24V	ON	DC 24V -	Red, Yellow, Green	30 mm	NO
GLZD4-301-FP-X	843013	DC 24V	ON	DC 24V +	Red, Yellow, Green	30 mm	Yes
GLZD4-301-FN-X	843014	DC 24V	ON	DC 24V -	Red, Yellow, Green	30 mm	Yes
GLZD4-501-IO-X	843015	DC 24V	ON	IO-LINK Protocol	Red, Yellow, Green	30 mm	NO

Note: X=Connection type: M12=M12x4P, 1.5M=1.5 M cable

1 Technical parameters

Electronic Control Gear: RGY (BW)
Life Time: 5000 h
Luminaire of Protection: IP67
Bean Angle: 360°

3 Application

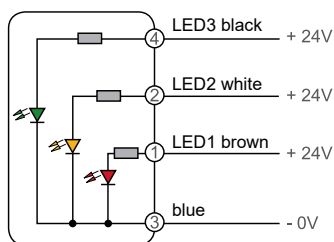
CNC machine tools,machine tool,machining center,security equipment,laser equipment,assembly line,security system and other lighting.

2 Features

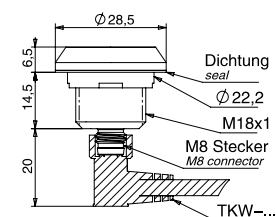
- 1、Efficient LED multi signal lamps meets the various needs with good price;
- 2、360 degrees without corner exposure,eliminate the visual blind spots may exist, greatly improving the visual performance of long distance;
- 3、30mm hemispherical shape with super long life LED light;
- 4、A single light color can be up to three, three kinds of color (Red / Yellow / Green) is optional;
- 5、Easy to install, easy to maintain;
- 6、Optional 4-pin connector/PVC cable.

LED LIGHT

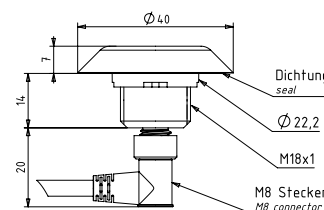
GLZD7 M18 Panel Signal Light



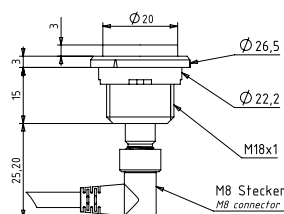
A Type: In housings with bore diameter 22.5, such as Siemens...



B type: Reinforced outer ring, compliant with hygiene standards EN1672



C type: No outer ring, suitable for inlay 3mm front



Type	Part No.	LED Color	Designation	(mm) Ring diameter	Termination methods
GLZD7-RWB-A	843001	Red LED1/ White LED2 /Blue LED3	M8	28.5	PNP
GLZD7-RWB-B	843002	Red LED1/ White LED2 /Blue LED3	M8	40	PNP
GLZD7-RWB-C	843003	Red LED1/ White LED2 /Blue LED3	M8	20	PNP
GLZD7-RYG-A	843004	Red LED1/ Yellow LED2 /Green LED3	M8	28.5	PNP
GLZD7-RYG-B	843005	Red LED1/ Yellow LED2 /Green LED3	M8	40	PNP
GLZD7-RYG-C	843006	Red LED1/ Yellow LED2 /Green LED3	M8	20	PNP

1 Features

Supply voltage: DC 24V $\pm 10\%$

Reverse polarity protection: protection of all lines (short time)

Current consumption: Max. 20 mA

Ambient temperature: -20 $\cdots$ +50° C

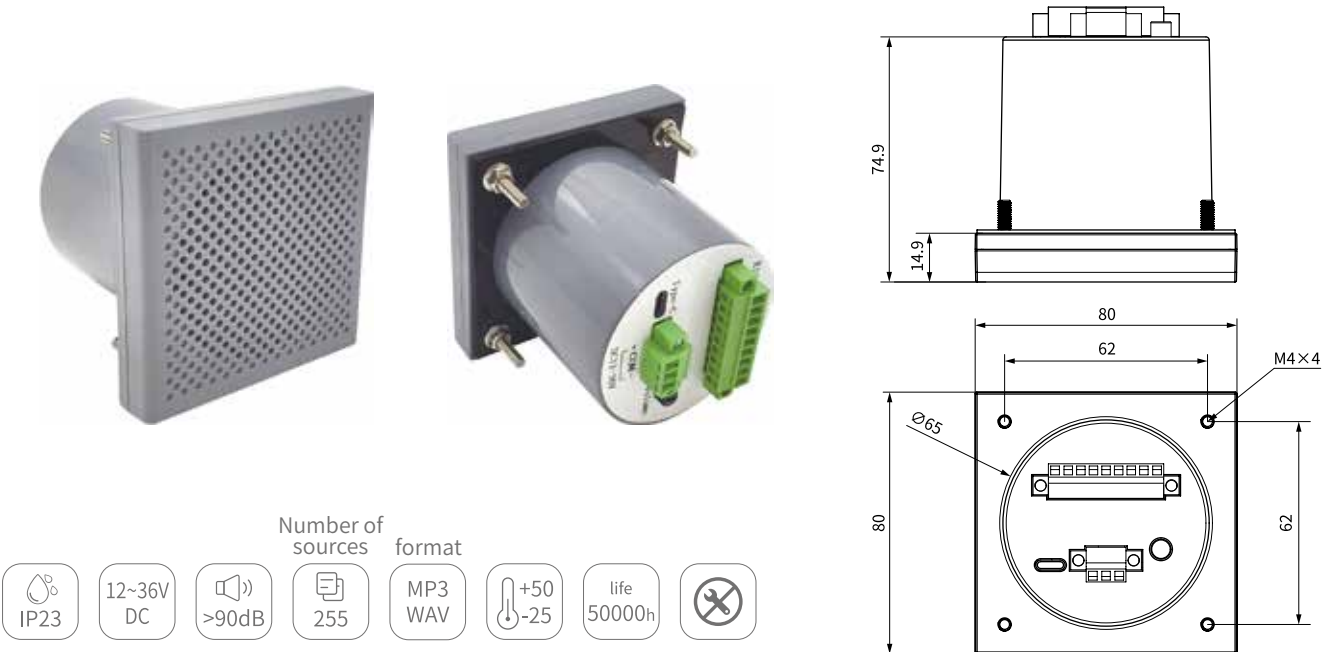
Degree of protection: front IP69K, back side IP67

Degree of protection: impact strength IK08

Casing material: Polycarbonate, aluminium, stainless steel (depends on model)

WARNING ALARM

GYSQ080 Signal loudspeaker

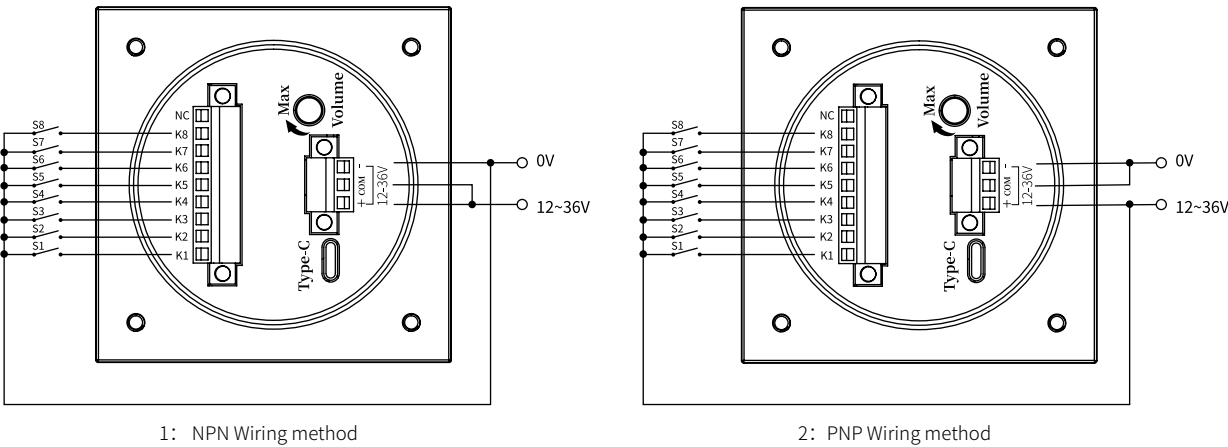


Type	Part No.	Supply voltage	Volume	Protection
GYSQ080-IO-01	800011	DC 12~36V	>90dB	IP23

1 Features

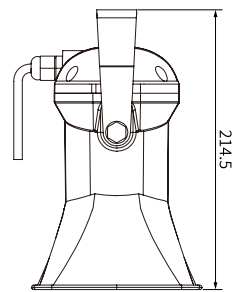
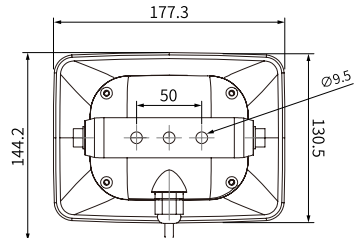
1. Output clear and pleasant music sounds, embedded speakers, and update audio files through the type C USB interface
2. The olspk product has a built-in 512MB sdnand and supports MP3 and wav format files
3. Eight way optocoupler isolation input, common positive and negative, can control 255 segments of audio playback, input trigger signal to start playback, and disconnect trigger signal to stop playback
4. Adjust the volume through the built-in volume knob. The maximum volume is 90dB

2 Wiring diagram



WARNING ALARM

GYSQ180 Signal loudspeaker



 IP65

 15~36V
DC

 100dB

Number of sources

 15

format

 MP3
WAV

 +50
-25

life

 50000h

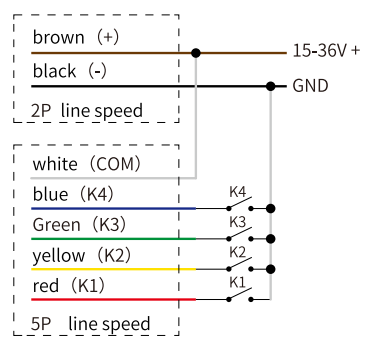


Type	Part No.	Supply voltage	Volume	Protection
GYSQ180-IO-01	800021	DC 12~36V	100dB	IP23

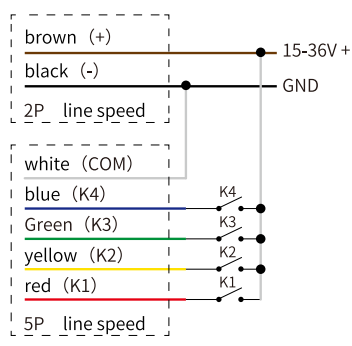
1 Features

1. IO type loud speaker for clear and dynamic music output
2. Supports MP3 and WAV files
3. Playback can be controlled with 15 audio segments, input trigger signal to start playback, disconnect trigger signal to stop playback
4. Maximum volume: 100dB
5. Operating voltage range: 15VDC~36VDC

2 Wiring diagram



1: NPN Wiring method



2: PNP Wiring method