



兴威联电气
—SVLEC®—

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工业照明

LED LIGHT

第十三章 Chapter 13

工业照明 LED Light



13.1 条型灯



13.2 塔灯



13.3 指示灯

工业照明 LED LED Light



工业照明 LED

提高生产率 Increased productivity

提高产品质量 Improve product quality

降低成本 Cost reduction



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用高强度 LED 照明灯来照亮 Illuminate with High Intensity LED Lighting Lamp

◇ 工作区域 Work area

兴威联 LED 工业指示灯系列产品不仅能够帮助员工提高效率，改善产品质量，也能够节省照明成本。独家设计，具备防裂、防冲刷等性能，适用于各种恶劣环境。

SVLEC LED industry indicator series products not only help employees improve efficiency, improve product quality, but also save lighting costs. Exclusive design, with anti-cracking, anti-scour and other performance, suitable for all kinds of harsh environment.



◇ 优势 Benefits

- 1、提高生产率：适当的照明可以加快装配速度。
Increased productivity: Proper lighting can speed up assembly.
- 2、提高产品质量：适当的照明能够提高工人检验部件问题的能力。
Improve product quality: Proper lighting can improve workers' ability to examine component problems.
- 3、降低成本：超长寿命，无需维护，而且能源效率高，长期使用能节约成本。
Cost reduction: long life, no maintenance, and energy efficiency, long-term use can save costs.

节能环保

Energy saving and environmental protection

SVLEC 工业照明及指示灯产品采用品质优异，寿命长的 LED 灯，高效节能，可见度高，在工厂的任何角落都能清晰可见。

SVLEC industrial lighting and indicator products use high quality, long life LED lamp, high efficiency, energy saving, high visibility, can be clearly visible in any corner of the factory.



工业照明 LED LIGHT

用高强度 LED 照明灯来照亮 Illuminate with High Intensity LED Lighting Lamp

◇ 塔灯优势 Benefits

高强度灯光可有效改善现场状态的传达效果。配合网络产品，可能在工厂实现方便有效迅速的信号传递。

High intensity lighting can effectively improve the effect of the state of the scene. With network products, it is possible to achieve efficient and effective signal transmission in the factory.

- 1、即刻：问题发生时即时发出信号，减少停机的时间，提高产品质量，减少安全隐患。
Immediate: When the problem occurs, immediately send a signal, reduce downtime, improve product quality, and reduce safety hazards.
- 2、简单：关键状态清晰可见。
Simplicity: the critical state is clearly visible.
- 3、标准：国际用色标准，减少混乱，加快反应时间。
Standards: International color standards, reduce confusion, and speed up response time.



◇ 信号灯优势 Benefits

清晰醒目的状态指示设备能够为工人提供有效的警示信息，提高生产效率。

Clear and eye-catching state indicator equipment can provide workers with effective warning information and improve production efficiency.

- 1、提高工人的工作效率：指示灯使得工人在出现问题的时候能够迅速采取行动。
Improving workers' efficiency: Indicators enable workers to act quickly when problems arise.
- 2、向监管人员发送警告信息：塔灯及其他指示灯能够及时反映机器、工作单元的工作姿态，协助监管人员快速发现并解决问题。
Send warning information to supervisors: Tower lights and other indicators can reflect the working posture of machines and units in time, and help supervisors find and solve problems quickly.
- 3、更快地解决问题：醒目的状态信息，更能保证有效解决问题。
Faster problem solving: eye-catching status information can ensure effective problem solving.



型号规格说明 Ordering information (GLZT 工业照明 LED 灯)

LED 工业照明解决方案，选型美观，品质优良，高效节能，使用寿命长达 50,000 小时，坚固耐用，配以防震外壳，适用于各种工业应用，包括机器照明，封闭区的照明，视觉检测照明，工作间照明等。直流低压供电，可通过 PLC 或者其他控制系统进行控制，从而进一步达到节能的效果。

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.



工业 LED 照明条形状

GLZT1 = 电柜灯
GLZT2 = 透镜型
GLZT3 = 非透镜型

色温 Color temperature

1= 正白色

瓦数 Power

06 = 6 W
12 = 12W
18 = 18 W
24 = 24 W
30 = 30 W

额定电压 Supply voltage

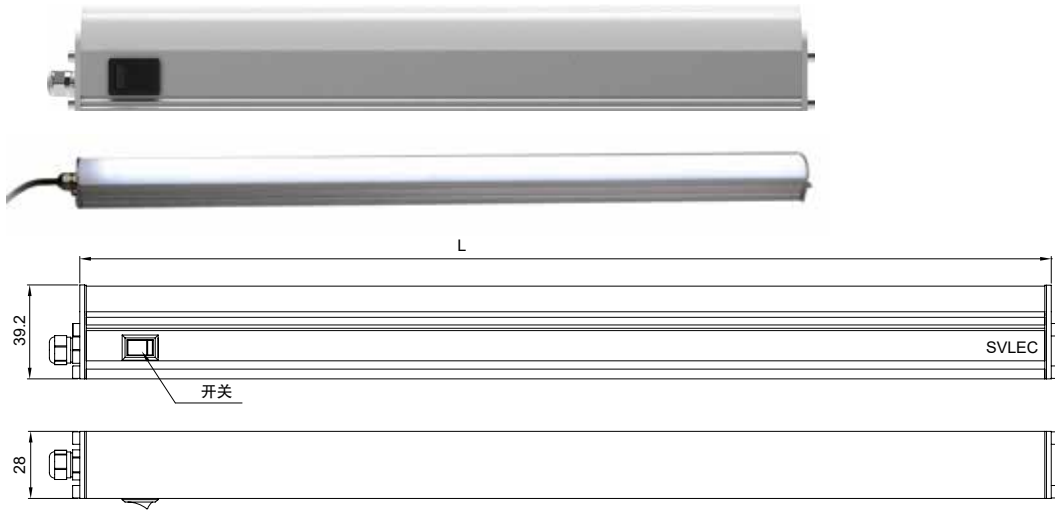
1 = 12 ~ 24 DC
3 = 12 ~ 24 AC
2 = 85 ~ 265 AC 50/60Hz

出线方式 Terminations technology

M12 = M12x4 针公插法兰座
2M12 = 双端 M12x4 针公插法兰座
0.5M = 0.5 米 (默认)

工业照明 LED LIGHT

GLZT1 电柜灯 Cabinet lamp



1 技术参数 Technical parameters

电子控制器 Electronic Control Gear: 驱动器 Driver

保护等级 Class of Protection: III

防护等级 Luminaire of Protection: IP20

LED 光源: 5630

2 特点 Features

- 1、特殊光学结构, 照明无眩光, 发光均匀 Special optics structure, flicker-free, uniform light distribution;
- 2、高效率, 节约能源损耗 Saving energy consumption;
- 3、较传统光源寿命长, 降低维护费用
It has a longer lifetime than traditional light sources, which reduces maintenance;
- 4、灵活便捷, 启动快, 允许频繁启动 Quick start and frequent starts allowed;
- 5、绿色环保、无频闪、无紫外线光、无红外辐射
Green environmental protection, no stroboscopic, no ultraviolet (uv) light, no infrared radiation。

3 应用场所 Application

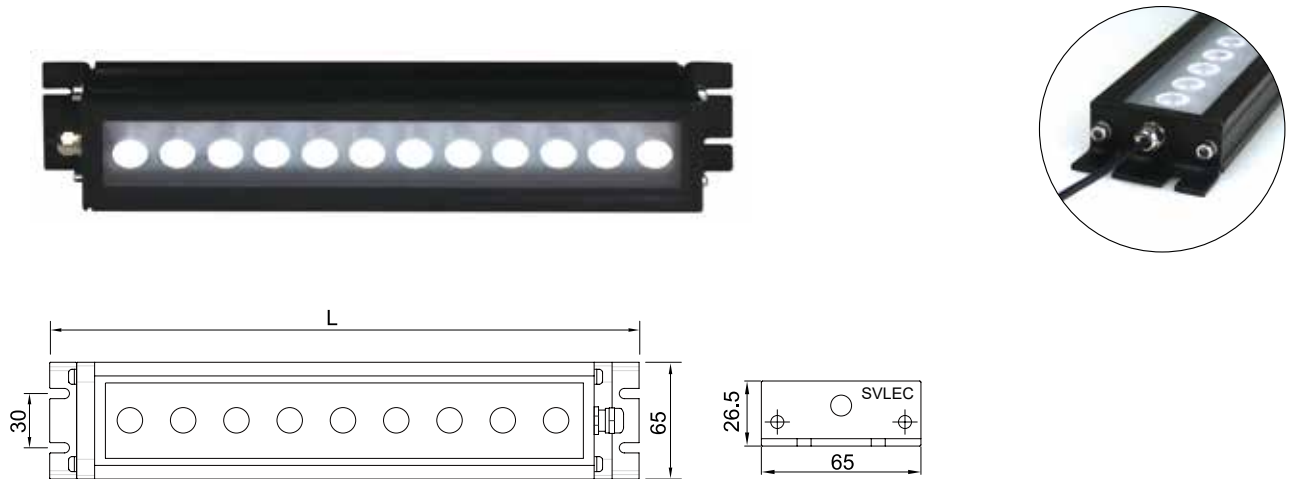
高铁检查机、冰柜、电柜、冷柜、数控机床及其他照明。

Deep freezer, electrical cabinet, armature, CNC machine tools and other lighting.

型号 Type	订货号 Part No.	输入电压 Input Voltage	功率 Power	色温 Color Temperature	光通量 Luminous Dlux	总长 (L) Total Length
GLZT1-106-1-X	711061-X	24V DC	6 W	6000K-6500K 正白	600 lm	600 mm
GLZT1-106-3-X	711063-X	24V AC	6 W	6000K-6500K 正白	600 lm	600 mm
GLZT1-106-2-X	711062-X	85~265V AC 50/60Hz	6 W	6000K-6500K 正白	600 lm	600 mm
GLZT1-109-1-X	711091-X	24V DC	9W	6000K-6500K 正白	900 lm	900 mm
GLZT1-109-3-X	711093-X	24V AC	9W	6000K-6500K 正白	900 lm	900 mm
GLZT1-109-2-X	711092-X	85~265V AC 50/60Hz	9W	6000K-6500K 正白	900 lm	900 mm
GLZT1-112-1-X	711121-X	24V DC	12 W	6000K-6500K 正白	1200 lm	1200 mm
GLZT1-112-3-X	711123-X	24V AC	12 W	6000K-6500K 正白	1200 lm	1200 mm
GLZT1-112-2-X	711122-X	85~265V AC 50/60Hz	12 W	6000K-6500K 正白	1200 lm	1200 mm

备注 X代表出线方式: M12=M12x4 针公插法兰座, 2M12= 双端 M12x4 针公插法兰座, 0.5M=0.5米(默认)。

GLZT2 透镜型条形 LED 灯 Lens Bar LED Lamp



1 技术参数 Technical parameters

电子控制器 Electronic Control Gear: 驱动器 Driver

保护等级 Class of Protection: I

防护等级 Luminaire of Protection: IP67

寿命 Life time: 50000 h

2 特点 Features

- 1、高亮度 700 勒克斯 (150cm) High light-700 lux;
- 2、外观简约时尚 The appearance is simple and fashion;
- 3、超薄灯体, 占用空间小 Ultrathin lamp body,using small space;
- 4、透镜型 LED 灯具可以有效的抑制眩光, 使不必要的光线避开人眼;
Lens LED lamps can effectively suppress glare and avoid unnecessary light from human eyes.
- 5、照射距离更远 The irradiation distance is farther;
- 6、工作环境温度 Ambient working temperature: $-25^{\circ}\text{C} \sim +55^{\circ}\text{C}$ 。

3 应用场所 Application

数控机床、组合机床、加工中心及其他照明。

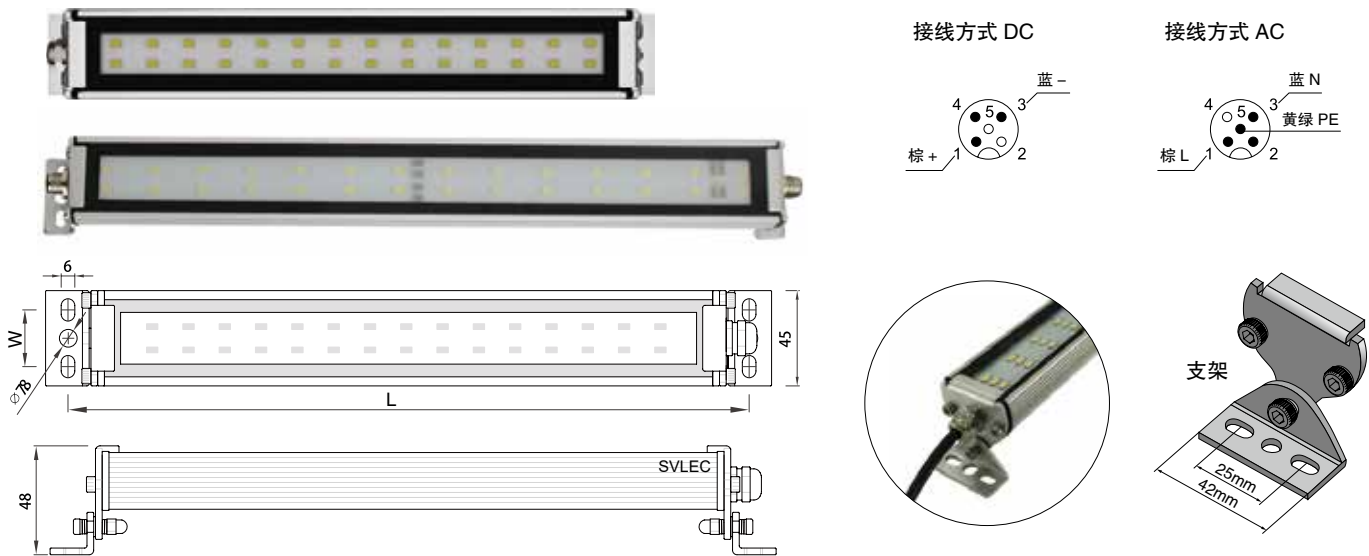
CNC machine tools, machine tool, machining center and other lighting.

型号 Type	订货号 Part No.	输入电压 Input Voltage	功率 Power	色温 Color Temperature	光通量 Luminous Dlux	总长 (L) Total Length
GLZT2-108-1	721083	24V DC	8 W	6000K-6500K 正白	800 lm	328 mm
GLZT2-112-1	721123	24V DC	12 W	6000K-6500K 正白	1200 lm	328 mm

备注 X 代表出线方式: M12=M12x4 针公插法兰座, 2M12= 双端 M12x4 针公插法兰座, 0.5M=0.5 米 (默认)。

工业照明 LED LIGHT

GLZT3 条形 LED 灯 Strip LED lamp



1 技术参数 Technical parameters

电子控制器 Electronic Control Gear: 驱动器 Driver
 保护等级 Class of Protection: I or III
 防护等级 Luminaire of Protection: IP67
 管径 Diameter of Tube: Ø45 mm

2 特点 Features

- 1、防水、防油、防蚀与防爆功能 Good functions of Water proof, oil proof, anti-corrosion and anti-riot;
- 2、光线分布均匀, 显色性强, 照明效果好 Uniform distribution of light, strong color rendering, good lighting effect;
- 3、安装简易、维修率低 Easy installation and low maintenance;
- 4、优质美国进口芯片 LED 光源、具有低功耗、高效能、寿命长;
 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、交 / 直流高品质电子驱动器, 具有低功耗、保护电路功能, 寿命长;
 The high quality of AC/DC LED driver with the good parameters of low power consumption, protect circuit function and long life time;
- 6、散热性好的优质铝、透明钢化玻璃 High-quality aluminium and transparent toughened glass with good heat dissipation;
- 7、高品质防水接头、金属铝基板、硅橡胶密封圈、反光杯或透镜;
 The quality of waterproof connector, aluminum PCB, silicone rubber sealing ring and reflector/lens;
- 8、显色指数 Color rendering index >80;
- 9、工作环境温度 Ambient working temperature: -25°C ~ +55°C。

3 应用场所 Application

数控机床、组合机床、加工中心、
 电柜、冷库、矿井及其他照明。

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

型号 Type	订货号 Part No.	输入电压 Input Voltage	功率 Power	色温 Color Temperature	安装尺寸 (L x W) Installtion Dimension	光通量 Luminous Dlux
GLZT3-106-1-X	731061-X	12~24V DC	6 W	6000K~6500K 正白	297 mm x 25 mm	600 lm
GLZT3-106-3-X	731063-X	12~24V AC	6 W	6000K~6500K 正白	297 mm x 25 mm	600 lm
GLZT3-106-2-X	731062-X	85~265V AC 50/60Hz	6 W	6000K~6500K 正白	297 mm x 25 mm	600 lm
GLZT3-112-1-X	731121-X	12~24V DC	12 W	6000K~6500K 正白	418 mm x 25 mm	1200 lm
GLZT3-112-3-X	731123-X	12~24V AC	12 W	6000K~6500K 正白	418 mm x 25 mm	1200 lm
GLZT3-112-2-X	731122-X	85~265V AC 50/60Hz	12 W	6000K~6500K 正白	418 mm x 25 mm	1200 lm
GLZT3-118-1-X	731181-X	12~24V DC	18 W	6000K~6500K 正白	595 mm x 25 mm	1800 lm
GLZT3-118-3-X	731183-X	12~24V AC	18 W	6000K~6500K 正白	595 mm x 25 mm	1800 lm
GLZT3-118-2-X	731182-X	85~265V AC 50/60Hz	18 W	6000K~6500K 正白	595 mm x 25 mm	1800 lm
GLZT3-124-1-X	731241-X	12~24V DC	24 W	6000K~6500K 正白	784 mm x 25 mm	2400 lm
GLZT3-124-3-X	731243-X	12~24V AC	24 W	6000K~6500K 正白	784 mm x 25 mm	2400 lm
GLZT3-124-2-X	731242-X	85~265V AC 50/60Hz	24 W	6000K~6500K 正白	784 mm x 25 mm	2400 lm
GLZT3-130-1-X	731301-X	12~24V DC	30 W	6000K~6500K 正白	1008 mm x 25 mm	3000 lm
GLZT3-130-3-X	731303-X	12~24V AC	30 W	6000K~6500K 正白	1008 mm x 25 mm	3000 lm
GLZT3-130-2-X	731302-X	85~265V AC 50/60Hz	30 W	6000K~6500K 正白	1008 mm x 25 mm	3000 lm

备注 X 代表出线方式: M12=M12x4 针公插法兰座, 2M12= 双端 M12x4 针公插法兰座, 0.5M=0.5 米 (默认)。

型号规格说明 Ordering information (GLTD 信号灯)

GLTD1 - 3 01 B P - RYG - 1.5

材质 Material quality

GLTD1 = 塔灯多层灯罩透明亚克力
GLTD2 = 塔灯多层灯罩聚碳酸酯
GLZD3 = 指示灯球形灯罩直径 30mm
GLZD4 = 指示灯球形灯罩直径 50mm
GLZD5 = 指示灯单层灯罩聚碳酸酯

色层数 Color Layer Number

3 = 层 Floors

额定电压 Rated current

01 = DC 24V

默认 1.5 米
M12/ 球形灯可选

Signal Color 信号颜色
型号默认空白

R = 红色 Red
Y = 黄色 Yellow
G = 绿色 Green

Connection mode 接线方式

P = DC 24V 共正
N = DC 24V 共负

Type 类型

B = 常亮
F = 常亮带峰鸣



GLTD1 塔灯

GLTD2 塔灯

GLTD3/4 指示灯

信号塔等系列基于 LED 光源设计, 使用寿命长, 无需维护。型号丰富造型独特, 坚固耐用, 皆由工厂组装, 并有多种安装附件选择。型号繁多, 能够为客户提供定制的解决方案, 包括交流, 直流电源选择, 三种报警输出选项, 标准或者高亮度选择, 及快速接插件或电缆式选择。

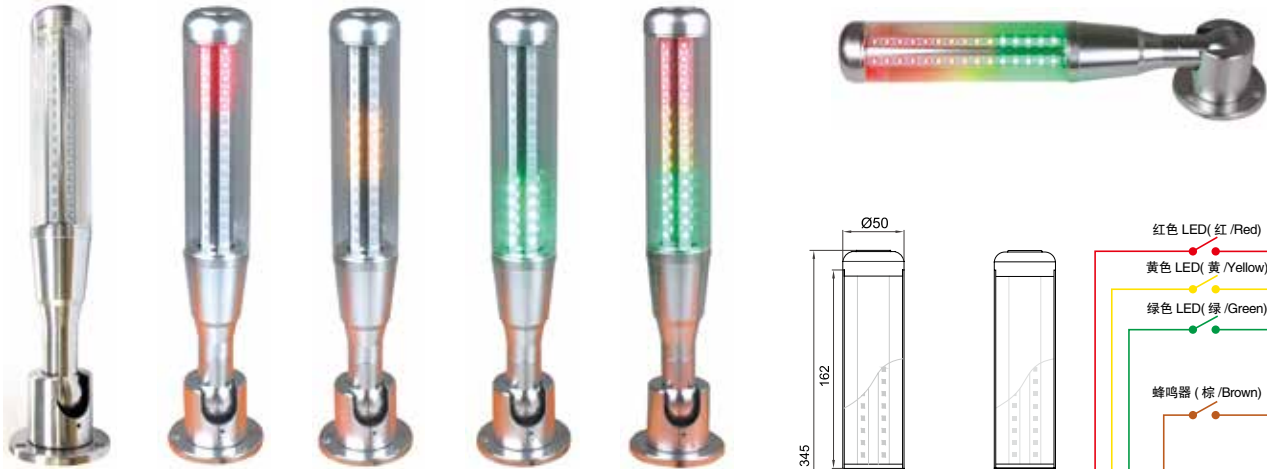
Signal Tower series based on LED light source design, long service life, no maintenance. The model is rich, unique, firm and durable. It is assembled by the factory and has a variety of installation accessories. Various models can provide customers with customized solutions, including AC, DC power selection,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

指示灯亮度高, 种类繁多, 即使白天也能清晰可见。SVLEC 指示灯产品坚固耐用, 使用寿命长, 无须加装防护盒。尺寸大小和安装方式多样, 为各种状态指示应用提供独家解决方案。

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.

工业照明 LED LIGHT

GLTD1 塔灯 LED Multi-Functional Signal Light



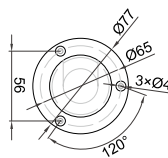
1 技术参数 Technical parameters

电子控制器 Electronic Control Gear: RGY (BW)

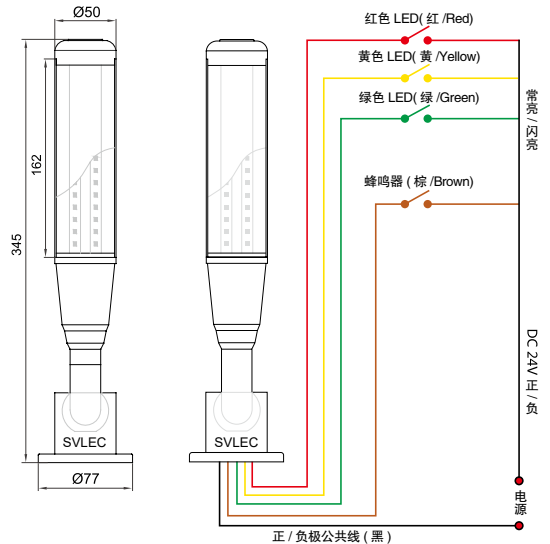
寿命 Life time: 50000h

防护等级 Luminaire of Protection: IP65

Beam angle 光束角: 360°



底座安装孔



2 特点 Features

- 1、高效 LED 多功能信号灯, 可满足各种需求, 性价比高 Efficient LED multi signal lamps meets the various needs with good price;
- 2、高亮 LED 光源, 大大提高了远距离的可视性能 High bright LED improving the visual performance of long distance;
- 3、利用红黄绿 LED 光源产生鲜明的色彩识别效果 With red/yellow/green color led improving the color recognition effect;
- 4、安装简便, 方便拆卸 Easy installation and dismounting;
- 5、灯体由高品质铝制成, 耐热抗冲击, 外观时尚, 可折叠;
The lamp body is made of high quality aluminum, with good thermal and shock resistance, it looks more modern and it is collapsible;
- 6、灯罩由耐热抗冲击透明的亚克力制成。
The lampshade is made of transparent Acrylic, with good function of thermal and shock resistance。

3 应用场所 Application

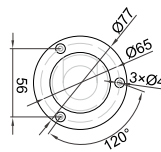
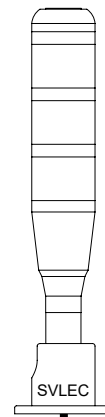
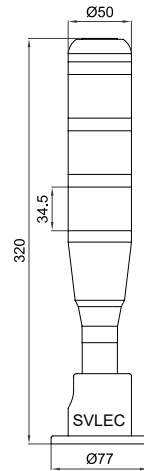
数控机床、组合机床、加工中心、安防设备、激光设备、流水线、安检系统及其他照明。

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

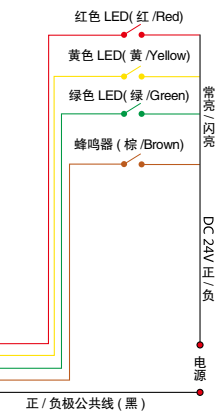
型号 Type	订货号 Part No.	额定电压 Input Voltage	类型 Type	接线方式 Termination methods	信号颜色 Signal Color	灯外径 Designation	蜂鸣器 Buzzer
GLTD1-301-BP	813011	DC 24V	常亮	DC 24V 共正	红色、黄色、绿色	50 mm	否
GLTD1-301-BN	813012	DC 24V	常亮	DC 24V 共负	红色、黄色、绿色	50 mm	否
GLTD1-301-FP	813013	DC 24V	常亮	DC 24V 共正	红色、黄色、绿色	50 mm	是
GLTD1-301-FN	813014	DC 24V	常亮	DC 24V 共负	红色、黄色、绿色	50 mm	是

工业照明 LED LIGHT

GLTD2 塔灯 LED Multi-Functional Signal Light



底座安装孔



1 技术参数 Technical parameters

电子控制器 Electronic Control Gear: RGY (BW)

寿命 Life time: 50000h

防护等级 Luminaire of Protection: IP65

Beam angle 光束角: 360°

2 特点 Features

- 1、高效 LED 多功能信号灯, 可满足各种需求, 性价比高 Efficient LED multi signal lamps meets the various needs with good price;
- 2、高亮 LED 光源, 大大提高了远距离的可视性能 High bright LED improving the visual performance of long distance;
- 3、利用红黄绿 LED 光源产生鲜明的色彩识别效果 With red/yellow/green color led improving the color recognition effect;
- 4、灵安装简便, 方便拆卸 Easy installation and dismantling;
- 5、灯体由高品质铝制成, 耐热抗冲击, 外观时尚, 可折叠;
The lamp body is made of high quality aluminum, with good thermal and shock resistance, it looks more modern and it is collapsible;
- 6、灯罩由耐热抗冲击透明的聚碳酸酯制成。
The lampshade is made of transparent PC, with good function of thermal and shock resistance.

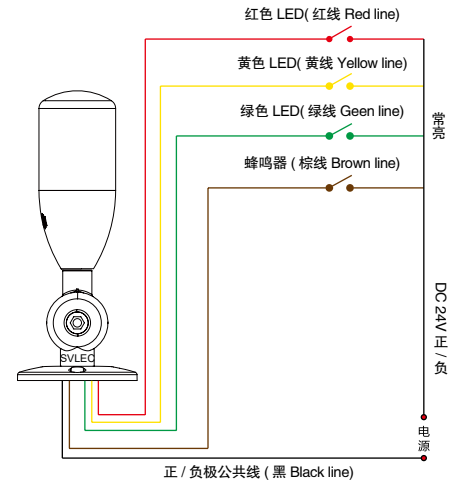
3 应用场所 Application

数控机床、组合机床、加工中心、安防设备、激光设备、流水线、安检系统及其他照明。

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

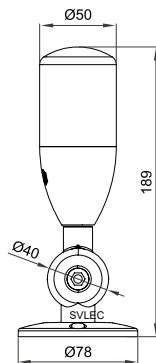
型号 Type	订货号 Part No.	额定电压 Input Voltage	类型 Type	接线方式 Termination methods	信号颜色 Signal Color	灯外径 Designation	蜂鸣器 Buzzer
GLTD2-301-BP	823011	DC 24V	常亮	DC 24V 共正	红色、黄色、绿色	50 mm	否
GLTD2-301-BN	823012	DC 24V	常亮	DC 24V 共负	红色、黄色、绿色	50 mm	否
GLTD2-301-FP	823013	DC 24V	常亮	DC 24V 共正	红色、黄色、绿色	50 mm	是
GLTD2-301-FN	823014	DC 24V	常亮	DC 24V 共负	红色、黄色、绿色	50 mm	是

GLTD5 多功能警示灯 LED Multi-Functional Signal Light

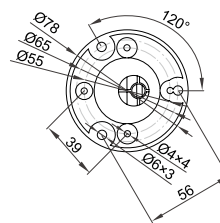


1 技术参数 Technical parameters

灯珠颜色 LED Color: RGY
 寿命 Life time: 50000h
 防护等级 Luminaire of Protection: IP20
 Beam angle 光束角: 360°



底座安装孔



安装	螺丝位	规格	螺丝数量
形式 A	Ø65	M5/M6	3
形式 B	Ø55	M4	4

2 特点 Features

- 1、高效 LED 多功能信号灯，可满足各种需求，性价比高；
Efficient LED multi signal lamps meets the various needs with good price;
- 2、混合棱镜切割灯罩，消除了可能存在的视觉盲点，大大提高了远距离的可视性能；
Mixed prism cutting lampshade, eliminate the visual blind spots may exist, greatly improving the visual performance of long distance;
- 3、利用双反射镜构造加强 LED 光的传播，利用最少的 LED 产生鲜明的彩色识别效果；
Using the double mirror structure strong then propagation of LED light, color recognition effect is distinct with a minimum of LED;
- 4、灯体由尼龙 66 制成，耐热抗冲击；
The lamp body is made of Nylon66, with good thermal shock resistance;
- 5、灯罩由耐热抗冲击半透明的聚碳酸酯制成。The lampshade is made of PC with good heat shock.

3 应用场所 Application

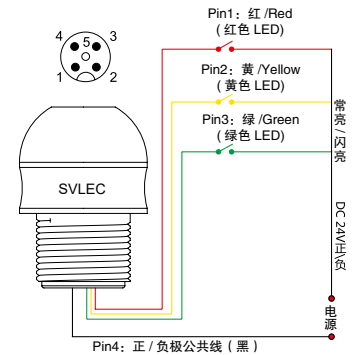
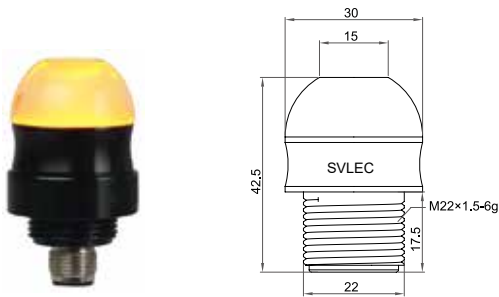
数控机床、组合机床、加工中心、安防设备、激光设备、流水线、安检系统及其他场所。
 CNC machine tools, machine tool, machining center, security equipment, laser equipment, assembly line, security system and other places.

型号 Type	订货号 Part No.	额定电压 Input Voltage	类型 Type	接线方式 Termination methods	信号颜色 Signal Color	灯外径 Designation	蜂鸣器 Buzzer
GLTD5-301-BP	853011	DC 24V	常亮	DC 24V 共正	红色、黄色、绿色	50 mm	否
GLTD5-301-BN	853012	DC 24V	常亮	DC 24V 共负	红色、黄色、绿色	50 mm	否
GLTD5-301-FP	853013	DC 24V	常亮	DC 24V 共正	红色、黄色、绿色	50 mm	是
GLTD5-301-FN	853014	DC 24V	常亮	DC 24V 共负	红色、黄色、绿色	50 mm	是

工业照明 LED LIGHT

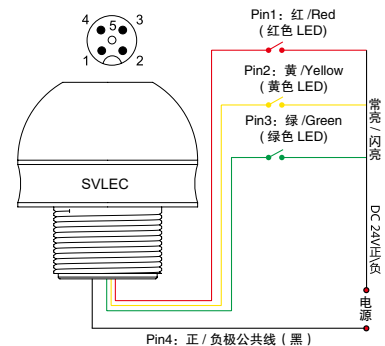
GLZD 指示灯 Multi-Functional Signal Light

O30 警示灯



型号 Type	订货号 Part No.	额定电压 Input Voltage	类型 Type	接线方式 Termination methods	信号颜色 Signal Color	螺纹直径 Designation
GLZD3-301-BP-X	833011	DC 24V	常亮	DC 24V 共正	红色、黄色、绿色	22 mm
GLZD3-301-BN-X	833012	DC 24V	常亮	DC 24V 共负	红色、黄色、绿色	22 mm

备注 X 代表出线方式: M12=M12x4 针公插法兰座, 1.5M=1.5 米 (默认)。



型号 Type	订货号 Part No.	额定电压 Input Voltage	类型 Type	接线方式 Termination methods	信号颜色 Signal Color	螺纹直径 Designation
GLZD4-301-BP-X	843011	DC 24V	常亮	DC 24V 共正	红色、黄色、绿色	30 mm
GLZD4-301-BN-X	843012	DC 24V	常亮	DC 24V 共负	红色、黄色、绿色	30 mm

备注 X 代表出线方式: M12=M12x4 针公插法兰座, 1.5M=1.5 米 (默认)。

1 技术参数 Technical parameters

电子控制器 Electronic Control Gear: RGY (BW)
 寿命 Life Time: 5000 h
 防护等级 Luminaire of Protection: IP67
 光束角 Beam Angle: 360°

3 应用场所 Application

数控机床、组合机床、加工中心、安防设备、激光设备、流水线、安检系统及其他照明。

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

2 特点 Features

- 1、高效 LED 多功能信号灯, 可满足各种需求, 性价比高;
- 2、360 度无转角照射, 消除了可能存在的视觉盲点, 大大提高了远距离的可视性能;
- 3、30mm 半球形造型, 内含超长寿命 LED 灯;
- 4、单个信号灯配色可达 3 种, 3 种颜色 (红 / 黄 / 绿) 可选;
- 5、安装简易, 便于维护;
- 6、可选 4 针型接插件 /PVC 电缆。

- 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.