



LED Underground Light Datasheet

Led Underground light ,perfect to make your garden, swimming pool, doorway bright and splendid at night, several colors for optional, energy saving and waterproof.

About the product:

- 1.Product name:led underground light/led inground light/led buried light
- 2.Input voltage,AC85-265V,AC/DC 12V&24V led driver are available
- 3.Protection grade is IP 65
- 4.PMAM lens,15°30°45°60° for your choice
- 5.Ligt body is made of aluminum and tempered glass
- 6.Optionl power can be 1w/3w/5w/6w/7w/9w/12w/15w/18w/24w/36w
- 7.Control:Continuous lighting effect for single color like red,green,blue,yellow,white and warm white;
RGB seven color change of internal controll

No.	Model	Power	Voltage	CCT	CRI	Lumen	LEDs	Dimension			IP	Warranty
								Ring	High	Hole Dimension		
1	BV-9303-1W	1W	DC12/24	3000K/4000K/6000K/RGB	80	120lm	Epistar	Φ65 mm	70mm	59mm	IP67	2 years
2	BV-9303-3W	3W		3000K/4000K/6000K/RGB	80	360lm	Epistar	Φ80 mm	70mm	75mm	IP67	2 years
3	BV-9303-5W	5W		3000K/4000K/6000K/RGB	80	600lm	Epistar	Φ100 mm	80mm	97mm	IP67	2 years
4	BV-9303-7W	7W		3000K/4000K/6000K/RGB	80	840lm	Epistar	Φ120 mm	90mm	115mm	IP67	2 years
5	BV-9303-18W	18W		3000K/4000K/6000K/RGB	80	2160lm	Epistar	Φ200 mm	90mm	188mm	IP67	2 years

Material :Stainless steel cover , aluminum body,toughened glass



1W



3W



5W



7W



18W

Features

Adopting high power LED as lighting source. Energy saving, environment protecting and long life

Low working voltage, secure and reliable

Good weather ability and pressure resistance

Projection angle could be adjusted willingly with base stand

Effects of seven-color, gradual-change, sudden-change

Could be activated through remote controller

Stainless steel or cast aluminum housing with unique and exquisite design

Lamp is sealed by reinforced glass, rubber ring, silica gel and silicone to make it waterproof

Imported low consumption & high efficiency LEDs has high CRI and luminous flux, lifespan can reach 50,000 hours

Protecting rating: **IP67** can work under water for long time

5mm toughened transparent glass, high temperature resisting, easy for lights penetration, transmittance as high as 92%.

Energy saving up to 80%

RGB or Single (**R/G/B/W/WW/Y**) colors can be chosen.

Changes in colorful, flowing, dreamy effects.

Application

LED Underground Light is widely used for decorative lighting in gardens, streets, square, villa, parks, lawns, supermarket, parking lots, exclusive stores, virescence places, tourist attractions and amusement places. They can make dynamic and beautiful scenes.



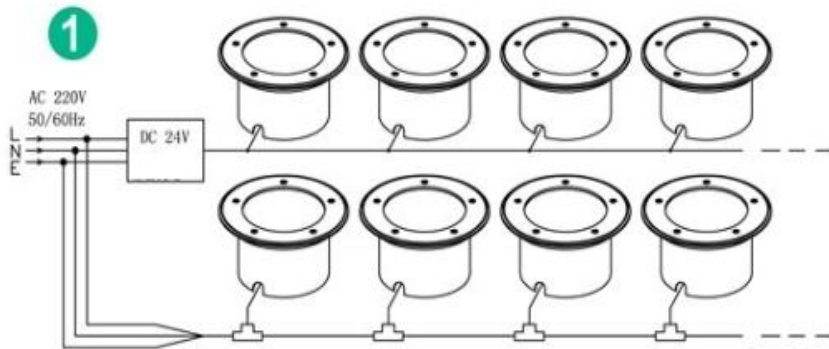
Installation instructions

1. Before LED underground lamp installed , you must first turn off the power . This is the first step in installing all electrical equipment is safe operation of the foundation.
2. Should be finishing luminaire supporting the use of various parts . LED Underground Light is buried special landscape LED lamps, once installed components when installed less loaded want to re-fill is very trou
Prior to installation, you should be ready.
3. First, dug a hole according the size of the LED underground light, and then fixed with concrete embedded parts .
Embedded parts played isolated LED underground lamp body and soil effects, can ensure LED underground lamp long spanlife
4. Owned an IP67 or IP68 wiring means for connecting external power input with lamp body power cord .
And the LED inground lights require power cord by VDE certified waterproof power cord to guarantee LED underground lamp long spanlife.
5. LED Underground light control system through the early design engineers and design, when used under normal operating conditions, the use of color-changing effects after work, you can achieve the most optimized LED life.
Outside these ranges or conditions and limitations of these long-term work, will further reduce the lifetime of the LED, in extreme cases, the internal light source assembly failures.
6. Installing the LED underground lights, please gently to avoid damage to the lamps.

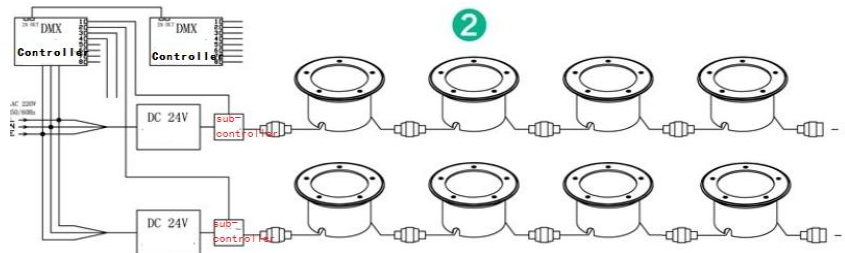
Installation procedures and wiring diagrams

LED underground lights change effects and LED washer and LED flood light outdoor lighting , etc. have similar installastion. monochromatic light and DMX512 control colors, please refer to the following detailed wiring diagram .

1. Monochromatic Light wiring:



2. DMX512 control colors wiring diagrams



In-Ground Landscape Lights Installation Tips

Proper installation is the key to getting the most mileage out of your in-ground LED lights. Improperly installed lights can suffer from water damage or corrosion, and if the wiring isn't done correctly, the lamp may short circuit. Here are a few tips:

The Right Sized Hole: Underground waterproof LED lights are buried in the ground, but one of the most common installation errors is digging a hole that's too small. The hole should be about 1.5 times the size of the lamp, rather than just big enough to fit the fixture. Then, fine gravel should be used to create a buffer around the lamp. This allows water to drain faster, eliminating the problem of moisture buildup.

Positioning the Lens: The lamp lens should sit slightly above the grade, especially rounded lamps. Flat fixtures should be positioned to sit right at ground level. Burying your lamps below the grade will enable water to sit on top of the lamp, which over time, will result in water damage.