



中国·蓝波
LANBOO

蓝波大电流开关

Pioneer of High-Current Switches

CCC CE RoHS Intertek ISO9001 多项专利

LB6-12Z 规格书

高端带线款金属信号灯



哑光面发光柔和



精致外观



多种颜色



长寿命LED

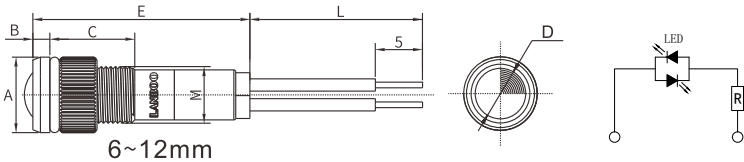
型号说明/选型，写法举例：LB10Z-Q/CRB9-24V/N/150(L)

对应编号		LB	●●	●	—	●	/	C	●	●●	/	●	/	●	L
		1	2	3		4		5	6	7		8		9	10
1	LB	LANBOO 蓝波代码													
2	安装孔径	6、8、10、12mm													
3	系列号	Z—高端高寿命哑光指示灯、Z2—高亮经济型系列													
4	头部形状	Q—球头													
5	发光形状	C—整圆发光													
6	发光颜色	R—红色、G—绿色、B—蓝色，定制：Y—黄色、W—白色、双色（10/12Z/Z2可定制）													
7	LED 电压	9-24V、220V,定制：3-8V、25-48V、110V,AC/DC 通用													
8	外壳材质	N—铜镀铬，可定制：S—不锈钢、A—铝氧化													
9	导线长度	150—默认150mm,可定制其它线长													
10	(L)	内部代码													

性能参数

开孔直径	对应孔径+0.2mm,例如：LB10Z为10.2mm
外壳	H57/59铜镀铬，可定制：304不锈钢（RoHS）、6063铝氧化（RoHS）
透光材料	PC(RoHS),V2 级阻燃
螺母	H57/59铜镀镍，可定制：304不锈钢（RoHS）
O型圈	Z系列—硅胶（RoHS),Z2系列—NBR
底座	Z系列—PBT(RoHS),V0级阻燃，Z2系列—PBT,V2级阻燃
导线	国标0.15mm ² (RoHS)
安装面板厚度	≤7mm
拧紧力矩	0.8-1.2N.m
螺纹验证	将螺母锁紧至垫圈明显变形，然后拆下，如此循环 5 次，无异常
接线形式	引线式
引线反向拉力	≥50N无脱落
防脱顶牛	头部≥50N,底座≥120N
工作环境温度	-40℃~+80℃,非真空状态、不结冰情况下
工作环境湿度	45~90%RH
贮存环境温度	包装完好情况下，-40℃~+55℃
贮存环境湿度	包装完好情况下，45~90%RH
防护等级	防水IP40
绝缘电阻	≥1000MΩ
抗电强度（工频耐压）	3000VAC,50HZ,1min
触点最小适用负载	3V AC/DC,5mA(参考值，取决于环境与负载情况)
耐振性	XYZ 三向，60HZ,振幅 2mm
产品防跌落	头部竖直跌落 1 米，3 次，能正常工作
包装跌落	600mm 高度连续跌落 4 次，产品无损坏
温升	按 GB/T14048.5 标准中 8.3.3.3 条款
盐雾试验	72h,3 个周期，（参考 GB/T 2423.18-2012）
低温试验	-40℃,96h,接触电阻≤200mΩ、按压力变化值≤30%,LED 正常
高温试验	80℃,96h,接触电阻≤200mΩ、按压力变化值≤30%,LED 正常
高低温冲击试验 (含 LED灯加速老化试验)	-40~+85℃,85%RH,40min/循环，50 个循环，接触电阻≤200mΩ、按压力变化值≤30%,LED正常
ESD静电	人体模式：5KV,可定制8KV
LED额定电流	≤24V,≤20mA;>24V,≤10mA
LED灯珠类型	无极双芯片LED
LED降压方式	内置降压电阻
寿命	Z系列≥50000h、Z2系列≥30000h(参考值)
产品认证	CE RoHS(定制) REACH(定制)
专利号	ZL201830025316.5
质保	66 个月

直径	A	B	C	D	E	L
6mm	Ø8	1.8	9	Ø5.5	23	150
8mm	Ø10	1.8	10	Ø5.5	23.6	150
10mm	Ø12	1.8	11	Ø8	23.5	150
12mm	Ø14	1.8	11	Ø8	23.5	150



外形尺寸

10mm-12mm可做双色发光



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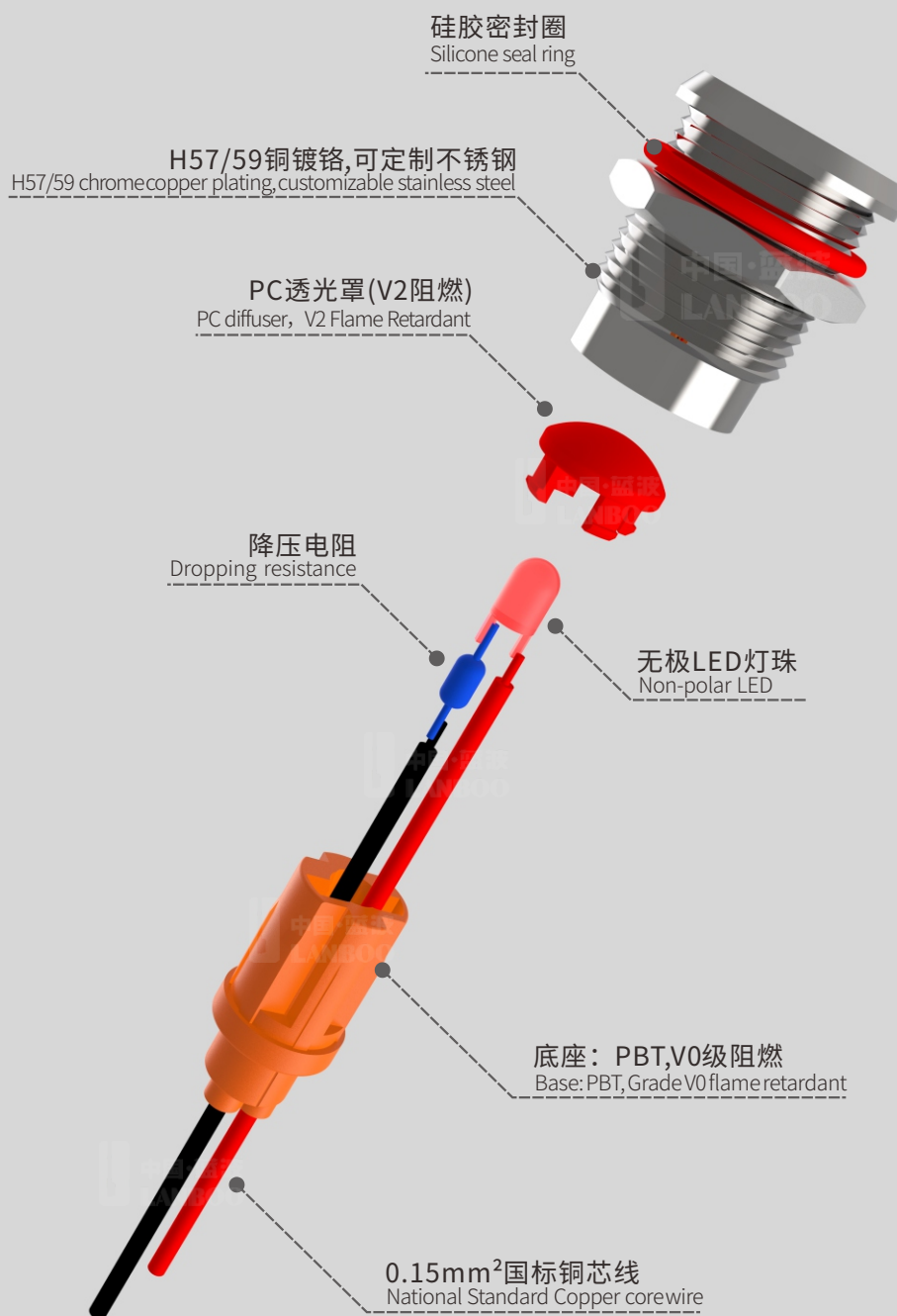
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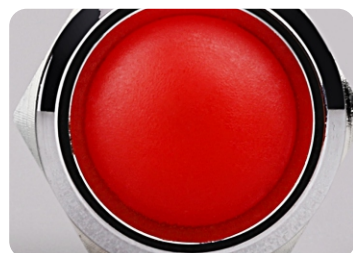


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LB6-12Z Specification
Metal indicator light with wires



Soft light



Delicate appearance



A variety of color



Long life

Model Description/Selection, Example: LB10Z-Q/CRB9-24V/N/150(L)

The Corresponding Number		LB	●●	●	—	●	/	C	●	●●	/	●	/	●	L
		1	2	3		4		5	6	7		8		9	10
1	LB	LANBOO													
2	Install Diameter	6、8、10、12mm													
3	Series No.	Z—High-end matte indicator light with high life, Z2—High-gloss economic series													
4	Head Shape	Q—Ball head													
5	Luminous Shape	C—Whole surface glow													
6	LED Color	Red, Green, Blue, Customized: Yellow, White, Two-color (10, 12Z/Z2 Can be customized)													
7	LED Voltage	9-24V, 220V, Customized: 3-8V, 25-48V, 110V, AC/DC General purpose													
8	Shell Material	N -Copper chrome plating, Customizable: S - Stainless steel, A -Aluminum oxidation													
9	Wires	150 - Default 150mm, other line lengths can be Customized													
10	(L)	Internal Code													



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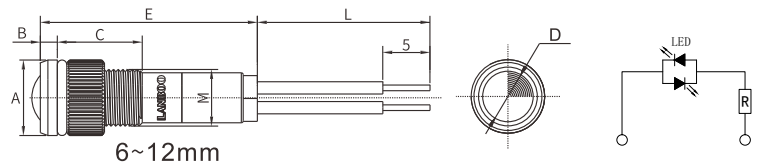
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LB6-12Z Specification
Metal indicator light with wires

The performance parameters

Hole Diameter	Corresponding to the aperture+0.2mm,For example: LB10Z为10.2mm
Shell Material	H57/59 Copper chrome, customizable: 304 stainless steel (RoHS), 6063 Aluminum oxide (RoHS)
Pervious To Light Material	PC (RoHS), V2 flame retardant
Nut	H57/59 Nickel copper plating, customizable: 304 stainless steel (RoHS)
O-Ring	Z series - Silicone (RoHS), Z2 series - NBR
Base Seat	Z series - PBT (RoHS), V0 grade flame retardant, Z2 series - PBT, V2 grade flame retardant
Wires	GB:0.15mm ² (RoHS)
Mounting Panel Thickness	≤7mm
Tightening Torque	0.8-1.2N.m
Thread Verification	Lock the nut until the washer is visibly deformed, then remove the nut. Repeat 5 times without exception
Wiring Type	Pins
Wires Reverse Tension	≥50N not fall off
Head Anti-off Strength	Head≥50N,Base seat≥120N
Working Environment Temperature	-40℃~+80℃, Non-vacuum, non-freeze
Working Environment Humidity	45~90%RH
Storage Ambient Temperature	Packing in good condition, -40℃~+55℃
Storage Ambient Humidity	Packing in good condition, 45~90%RH
Protection Level	IP40
Insulation Resistance	≥1000MΩ
Dielectric Strength	3000VAC,50HZ,1min
Min. Applicable Load For Contact	3V AC/DC,5mA(Reference value, depending on the environment and load)
Resistance To Vibration	XYZ , 60HZ,The amplitude 2mm
Product Fall-Proof	Head vertical drop 1 meter, 3 times, can work normally
Packaging Fall-Proof	600mm height continuous drop for 4 times, no damage to the product
Temperature Rise	According to clause 8.3.3.3 in GB/T14048.5 standard
Salt Spray Test	72H, 3 cycles (refer to GB/T 2423.18-2012)
Low Temperature Test	-40℃, 96h, Contact resistance≤200mΩ、Change in pressure≤30%, LED Normal
High Temperature Test	80℃, 96h, Contact resistance≤200mΩ、Change in pressure≤30%, LED Normal
High And Low Temperature Impact Test	-40~+85℃, 85%RH, 40min/Circulation, 50 Circulation, Contact Resistance≤200mΩ、Change in pressure≤30% LED Normal
ESD Electrostatic	Body mode: 5KV, Customizable 8KV
LED Rated Current	≤24V,≤20mA;>24V,≤10mA
LED Type	Nonpolar dual chip LED
LED Resistance	Built-in Resistance
LED Life	Z≥50000h,Z2≥30000h(Reference)
Certificate	CE RoHS REACH
Patent No.	ZL201830025316.5
Quality Assurance	66 Months

Diameter	A	B	C	D	E	L
6mm	Ø8	1.8	9	Ø5.5	23	150
8mm	Ø10	1.8	10	Ø5.5	23.6	150
10mm	Ø12	1.8	11	Ø8	23.5	150
12mm	Ø14	1.8	11	Ø8	23.5	150



Outline Dimension

10mm-12mm : Bi-Color