

# CZ6474/135

# CZ6474/145

**A**


## 描述 Descriptions

防爆灯外壳由铝合金压铸成型，表面喷涂纯环氧树脂粉末，抗腐蚀性能好。透明罩采用钢化玻璃，外露紧固件采用不锈钢材料。防爆灯具内部独特的隔热设计与外部高密度的散热片相结合散热效果更佳。

防爆灯为IIC级LED防爆灯，既适用于爆炸性环境，也适用于具有强腐蚀性的石化、化学场所和海洋环境等。

防爆灯根据不同的使用功能及安装条件，可作为吊杆灯、支架灯、平台灯25°、墙壁灯和平面灯五种形式。

支架灯、墙壁灯、吸顶灯配隔爆型电缆密封套直接引入。

吊杆灯接线盒和平台灯25°接线盒内置密封圈，形成独立的隔爆腔体，无须加配隔爆型电缆密封套。

防爆灯接线盒与灯体之间采用快速连接，将灯体旋入接线盒后即可实现电气连接，更换光源或安装检修时灯体能单独卸下，方便应用维护。

- 长寿命免维护，使用寿命长达50000小时，可实现长期免维护
- 具有良好的电磁兼容性，不会对系统电网造成干扰
- 电压波动无影响，宽电压设计
- LED属于固态光源，抗震性能佳
- 隔爆最高等级IIC级
- 安装维护方便
- 防护等级高达IP66
- IECEx、ATEX认证
- 可定制高光效光源，光效≥135ml/W（符合中国一级能效标准）

The explosion-proof light fittings shell is made of aluminum alloy die-casting, and the surface is sprayed with pure epoxy resin powder, with good corrosion resistance. The transparent cover is made of tempered glass, and the exposed fasteners are made of stainless steel. The unique heat insulation design inside the explosion-proof light fittings is combined with the external high-density heat sink for better heat dissipation effect.

The explosion-proof light fittings is IIC LED explosion-proof lamp, which is suitable for explosive environment, petrochemical and chemical places and marine environment with strong corrosivity. According to different use functions and installation conditions, explosion-proof lamps can be used as five forms: pendant pole lamp, bracket lamp, platform lamp 25°, wall lamp and surface lamp. Bracket lamp, wall lamp and ceiling lamp are directly introduced with flameproof cable gland.

There is a built-in sealing ring in the junction box of pendant pole lamp and 25° platform lamp to form an independent explosion-proof cavity without adding an explosion-proof cable gland. Quick connection is adopted between the junction box of explosion-proof light fittings and the lamp body. The electrical connection can be realized after the lamp body is screwed into the junction box. The lamp can be removed separately during light source replacement or installation and maintenance, which is convenient for application and maintenance.

- It is long life and maintenance-free which the service life is up to 50000 hours and the maintenance-free of long term.
- There is a feature of good electromagnetic compatibility and it does not cause interference to the system power grid.
- It is not influenced by the voltage fluctuations and can be operated in the wide voltage range
- There is a good performance of vibration due to the LED is the solid-state light source.
- The highest flameproof level is IIC.
- It is convenient to be mounted and maintained.
- The degree of protection is up to IP66.
- IECEx and ATEX certified.
- Customized high light efficiency light source with light efficiency ≥ 135ml/w (Meet China's first-class energy efficiency standards)

## 1 区和 2 区

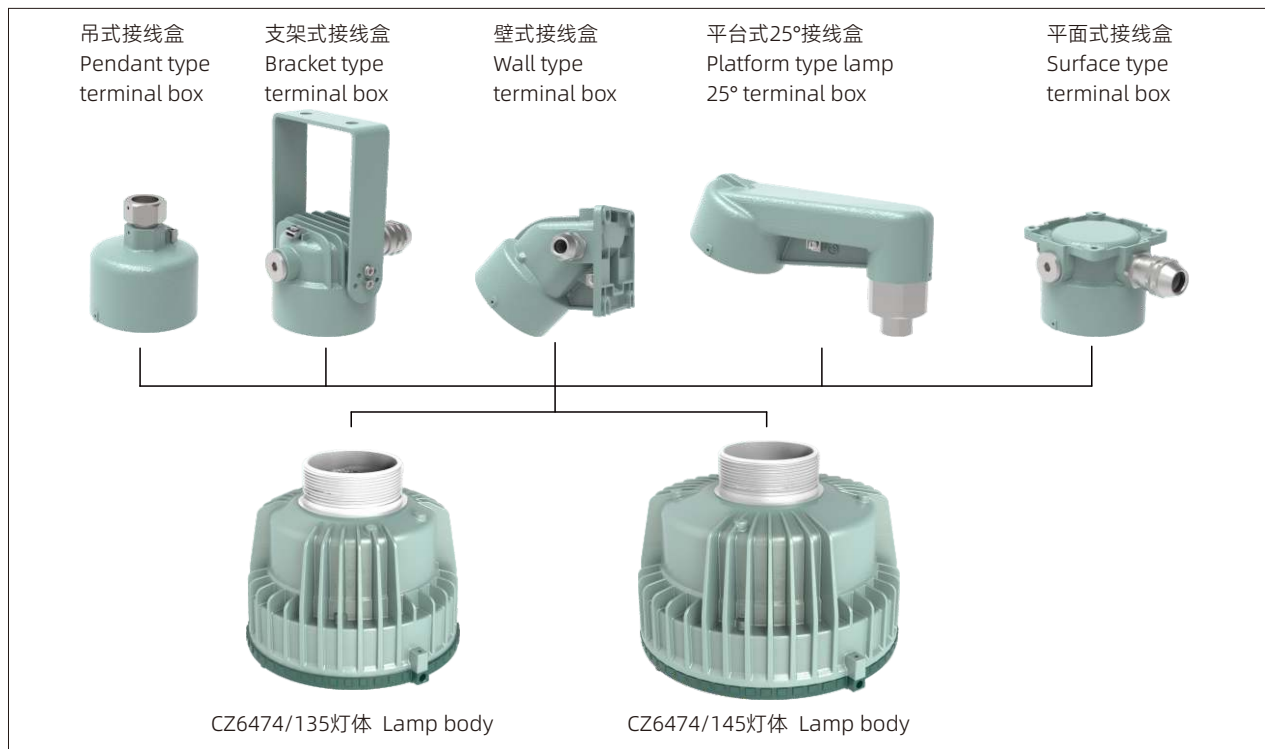
## 21 区和 22 区

## Zone 1 and zone 2

## Zone 21 and zone 22

**产品特点 Product characteristics**  
安装示意图 Outline and installation dimensions

**A**



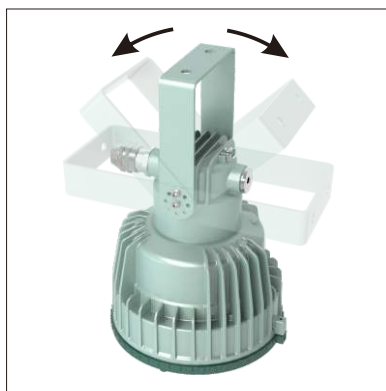
吊杆灯 Pendant pole type lamp



平台灯25° Platform type lamp 25°



平面灯 Surface type lamp



支架灯 Bracket type lamp



墙壁灯 Wall type lamp

**主要数据 Main technical data**

认证 Certification	防爆标志 Ex mark	符合标准 Meet the standard
China	Ex db IIC/IIB+H <sub>2</sub> T* Gb Ex tb IIIC T*°C Db	GB/T3836
IECEX	Ex db IIC/IIB+H <sub>2</sub> T* Gb Ex tb IIIC T*°C Db	IEC60079
ATEX	⊕ II 2 GD Ex db IIC/IIB+H <sub>2</sub> T* Gb Ex tb IIIC T*°C Db	EN60079

**A**

 适用范围：用于 1 区和 2 区  
 用于 21 区和 22 区

防护等级：IP66

 额定电压：100 ~ 240V AC 50/60Hz  
 127 ~ 250V DC

光源：LED

色温：标配5000K、（选配3000K、4000K、6500K）

功率因素：&gt; 0.98

 使用环境温度：-40°C ≤ Ta ≤ +40°C/+55°C (IIC)  
 -60°C ≤ Ta ≤ +40°C/+55°C (IIB+H<sub>2</sub>)

（-60°C灯具电气设备需要定制）

 接线端子：L1、N 端子 2-2.5mm<sup>2</sup>，PE 端子 2×10mm<sup>2</sup>

电缆入口：

**A**—吊杆灯：G 3/4"，电缆外径：Φ9-17mm

**B**—支架灯：

1-M25×1.5，电缆外径：Φ12-19mm (CZ1725/1A)

1-M25×1.5 空塞堵头 (CZ1725/3A)

**D**—平台灯 25°：G1 1/2"，电缆外径：Φ9-17mm

**E**—墙壁灯：

1-M25×1.5，电缆外径：Φ12-19mm (CZ1725/1A)

2-M25×1.5 空塞堵头 (CZ1725/3A)

**S**—平面式：

1-M25×1.5，电缆外径：Φ12-19mm (CZ1725/1A)

3-M25×1.5 空塞堵头 (CZ1725/3A)

Intended use: Can be used in zone 1 and zone 2

Can be used in zone 21 and zone 22

Degree of protection: IP66

 Rated voltage: 100 ~ 240V AC 50/60Hz  
 127 ~ 250V DC

Light source: LED

colour temperature : Standard 5000K, (Optional 3000K, 4000K, 6500K)

Power factor: &gt; 0.98

 Ambient temperature: -40°C ≤ Ta ≤ +40°C/+55°C (IIC)  
 -60°C ≤ Ta ≤ +40°C/+55°C (IIB+H<sub>2</sub>)

（-60°C lamp electrical equipment need to be customized）

 Terminal: L1, N Terminal 2-2.5mm<sup>2</sup>, PE terminal: 2×10mm<sup>2</sup>

Cable entry:

**A**—Pendant pole type lamp: G 3/4", Outside diameter: Φ9-17mm

**B**—Bracket type lamp:

1-M25×1.5, Outside diameter: Φ12-19mm (CZ1725/1A)

1-M25×1.5 Stopping plug (CZ1725/3A)

**D**—Platform type lamp 25°: G1 1/2", Outside diameter: Φ9-17mm

**E**— Wall type lamp:

1-M25×1.5, Outside diameter: Φ12-19mm (CZ1725/1A)

2-M25×1.5 Stopping plugs (CZ1725/3A)

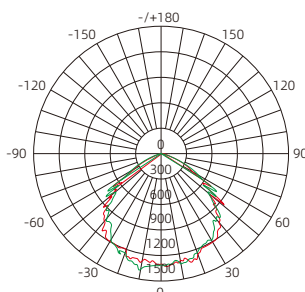
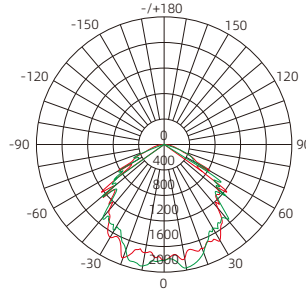
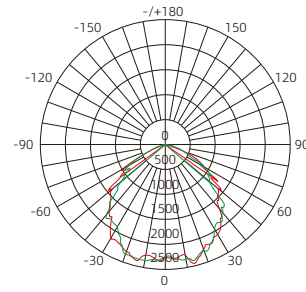
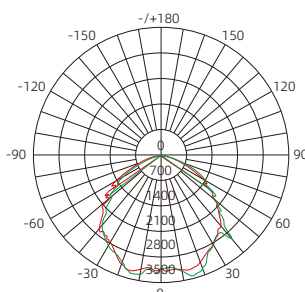
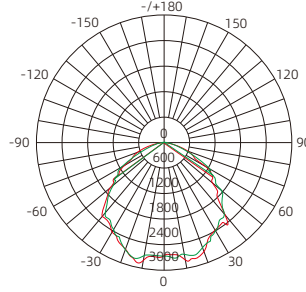
**S**—Surface type lamp:

1-M25×1.5, Outside diameter: Φ12-19mm (CZ1725/1A)






3-M25×1.5 Stopping plugs (CZ1725/3A)

**配光曲线 Luminous intensity distribution curve** — C0/180 — C90/270

光强单位 luminous intensity unit: cd


 平均光束角 (50%) : 111.7度  
 The average beam angle (50%) : 111.7 Degree  
**CZ6474/135□-LED0030W**

 平均光束角 (50%) : 110.7度  
 The average beam angle (50%) : 110.7 Degree  
**CZ6474/135□-LED0045W**

 平均光束角 (50%) : 103.2度  
 The average beam angle (50%) : 103.2 Degree  
**CZ6474/135□-LED0060W**

 平均光束角 (50%) : 108.7度  
 The average beam angle (50%) : 108.7 Degree  
**CZ6474/145□-LED0075W**

 平均光束角 (50%) : 109.4度  
 The average beam angle (50%) : 109.4 Degree  
**CZ6474/145□-LED0090W**

**订购规格 Order specifications**

图样 Illustration	功率 Power	光通量 Luminous flux	温度组别T* Temperature class*		重量(kg) Weight	订购号 Order No.
			Ta≤40°C	Ta≤60°C		
 <b>B-支架灯</b> Bracket type lamp	30W	3450 lm	T6	T5	5.95	<b>CZ6474/135B-LED0030W5-17-□-DA1</b>
	45W	4905 lm	T6	T5	5.95	<b>CZ6474/135B-LED0045W5-17-□-DA1</b>
	60W	6153 lm	T6	T5	6.05	<b>CZ6474/135B-LED0060W5-17-□-DA1</b>
	75W	8995 lm	T6	T5	8.05	<b>CZ6474/145B-LED0075W5-17-□-DA1</b>
	90W	10192 lm	T6	T5	8.10	<b>CZ6474/145B-LED0090W5-17-□-DA1</b>
 <b>E-墙壁灯</b> Wall type lamp	30W	3450 lm	T6	T5	6.75	<b>CZ6474/135E-LED0030W5-17-□-DA3</b>
	45W	4905 lm	T6	T5	6.75	<b>CZ6474/135E-LED0045W5-17-□-DA3</b>
	60W	6153 lm	T6	T5	6.85	<b>CZ6474/135E-LED0060W5-17-□-DA3</b>
	75W	8995 lm	T6	T5	8.85	<b>CZ6474/145E-LED0075W5-17-□-DA3</b>
	90W	10192 lm	T6	T5	8.95	<b>CZ6474/145E-LED0090W5-17-□-DA3</b>
 <b>S-平面灯</b> Surface type lamp	30W	3450 lm	T6	T5	5.75	<b>CZ6474/135S-LED0030W5-17-□-DA5</b>
	45W	4905 lm	T6	T5	5.75	<b>CZ6474/135S-LED0045W5-17-□-DA5</b>
	60W	6153 lm	T6	T5	5.85	<b>CZ6474/135S-LED0060W5-17-□-DA5</b>
	75W	8995 lm	T6	T5	7.85	<b>CZ6474/145S-LED0075W5-17-□-DA5</b>
	90W	10192 lm	T6	T5	7.90	<b>CZ6474/145S-LED0090W5-17-□-DA5</b>
 <b>A-吊杆灯</b> Pendant pole type lamp	30W	3450 lm	T6	T5	5.60	<b>CZ6474/135A-LED0030W5-17-□-G20+□</b>
	45W	4905 lm	T6	T5	5.60	<b>CZ6474/135A-LED0045W5-17-□-G20+□</b>
	60W	6153 lm	T6	T5	5.65	<b>CZ6474/135A-LED0060W5-17-□-G20+□</b>
	75W	8995 lm	T6	T5	7.72	<b>CZ6474/145A-LED0075W5-17-□-G20+□</b>
	90W	10192 lm	T6	T5	7.75	<b>CZ6474/145A-LED0090W5-17-□-G20+□</b>
 <b>D-平台灯 25°</b> Platform type lamp 25°	30W	3450 lm	T6	T5	6.75	<b>CZ6474/135D-LED0030W5-17-□-G40+□</b>
	45W	4905 lm	T6	T5	6.75	<b>CZ6474/135D-LED0045W5-17-□-G40+□</b>
	60W	6153 lm	T6	T5	6.85	<b>CZ6474/135D-LED0060W5-17-□-G40+□</b>
	75W	8995 lm	T6	T5	8.85	<b>CZ6474/145D-LED0075W5-17-□-G40+□</b>
	90W	10192 lm	T6	T5	8.95	<b>CZ6474/145D-LED0090W5-17-□-G40+□</b>

**A**

- B-支架灯 Bracket type lamp
- E-墙壁灯 Wall type lamp
- S-平面灯 Flat type lamp
- A-吊杆灯 Pendant pole type lamp
- D-平台灯 25° Platform type lamp 25°

 灯具安装形式  
 The mounting ways of the light fittings

色温 Colour temperature

- 3-3000K、4-4000K
- 5-5000K、6-6500K

 使用环境温度  
 Ambient temperature

- 4 - -40°C≤Ta≤+40°C/+55°C (IIC)
- 6 - -60°C≤Ta≤+40°C/+55°C (IIB+H<sub>2</sub>)

电缆引入装置编码见 A/53 页 Code of cable gland see page A/53

安装附件订购号 (不配不注) 附件见 A/53 页

Order No.of mounting accessories ( Optional ) , see page A/53




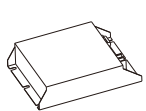
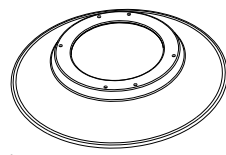
**电缆引入装置编码 Code of cable gland**

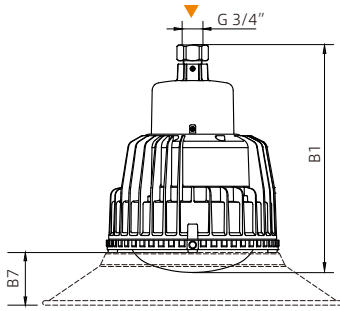
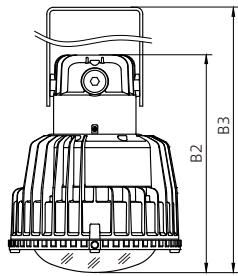
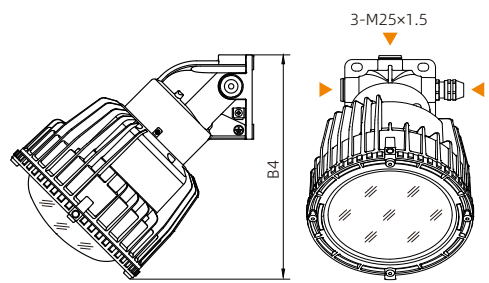
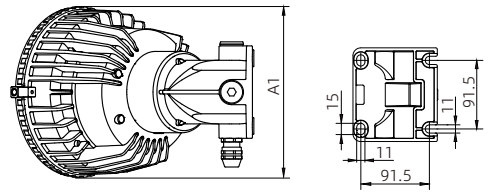
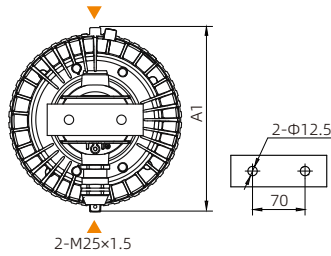
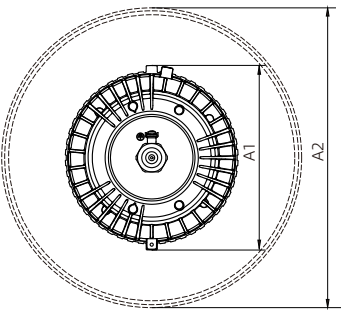
B-支架灯 Bracket light		
编码 Code	规格 Specification	电缆直径 Cable diameter
DA1	铜制 1 个 CZ1725/1A M25×1.5 电缆密封套, 1 个 CZ1725/3A M25×1.5 空塞堵头 One brass CZ1725/1A M25×1.5 cable gland, one CZ1725/3A M25×1.5 stopping plug	Φ12-19mm
DA2	铜制 2 个 CZ1725/1A M25×1.5 电缆密封套 Two brass CZ1725/1A M25×1.5 cable glands	Φ12-19mm
E-墙壁灯 Wall light		
DA3	铜制 1 个 CZ1725/1A M25×1.5 电缆密封套, 2 个 CZ1725/3A M25×1.5 空塞堵头 One brass CZ1725/1A M25×1.5 cable gland, two CZ1725/3A M25×1.5 stopping plugs	Φ12-19mm
DA4	铜制 2 个 CZ1725/1A M25×1.5 电缆密封套, 1 个 CZ1725/3A M25×1.5 空塞堵头 Two brass CZ1725/1A M25×1.5 cable glands, one CZ1725/3A M25×1.5 stopping plug	Φ12-19mm
S-平面灯 Surface light		
DA5	铜制 1 个 CZ1725/1A M25×1.5 电缆密封套, 3 个 CZ1725/3A M25×1.5 空塞堵头 One brass CZ1725/1A M25×1.5 cable gland, three CZ1725/3A M25×1.5 stopping plugs	Φ12-19mm
DA6	铜制 2 个 CZ1725/1A M25×1.5 电缆密封套, 2 个 CZ1725/3A M25×1.5 空塞堵头 Two brass CZ1725/1A M25×1.5 cable glands, two CZ1725/3A M25×1.5 stopping plugs	Φ12-19mm

注: A-吊杆灯、D-平台灯25°电缆密封套已标配, 不需要再标注。

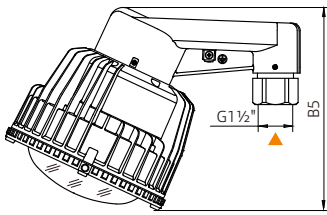
Note: Cable gland for pendant pole type lamp A, platform type lamp D is equipped, no need to be mentioned.

**安装附件、备件 Mounting accessories, Spare parts**

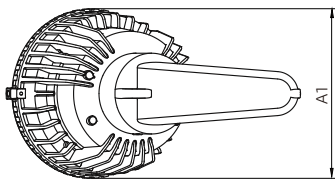
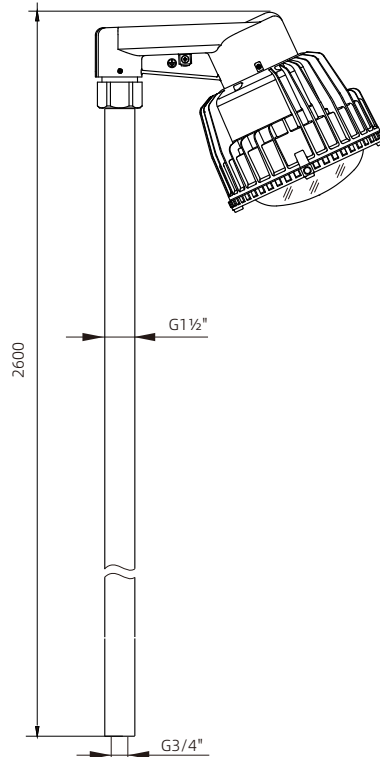
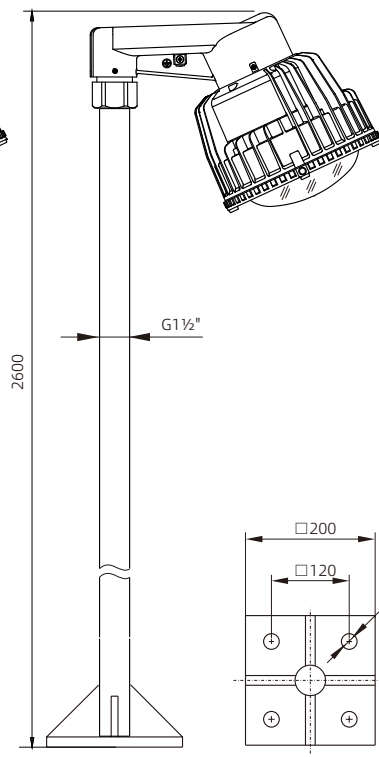
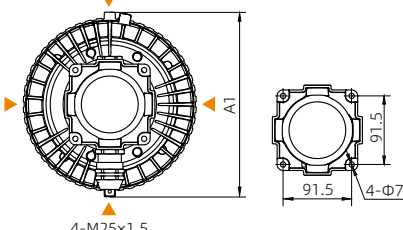
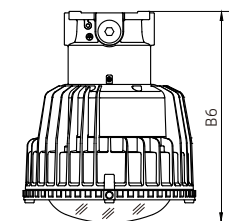
图样 Illustration	描述 Descriptions	单位 Unit	订购号 Order No.	
 G3/4"-300mm直管 Straight pipe	支架灯附件, 材料为镀锌钢管, 表面喷塑 Accessories for bracket type, galvanized steel pipe material and powder coated surface	套 Set	<b>D732</b>	
 护栏式灯杆 Lamp pole of fence type	平台灯附件, G1½"镀锌钢管表面喷塑。 Accessories for platform type lamp, G1½" galvanized steel pipe material and powder coated surface	套 Set	<b>D8725</b>	
 法兰式灯杆 Lamp pole of flange type	平台灯附件, G1½"镀锌钢管表面喷塑。 Accessories for platform type lamp, G1½" galvanized steel pipe material and powder coated surface	套 Set	<b>D8726</b>	
网罩 Mesh	用于 CZ6474/135, 材质为不锈钢 Used for CZ6474/135, the material is stainless steel	套 Set	<b>D8732/1</b>	
	用于 CZ6474/145, 材质为不锈钢 Used for CZ6474/145, the material is stainless steel	套 Set	<b>D8732/2</b>	
 LED 电源驱动 LED Driver	AC100 ~ 240V DC127 ~ 250V	30W	只 Piece	<b>7718/57-1×LED30W</b>
		45W	只 Piece	<b>7718/57-1×LED45W</b>
		60W	只 Piece	<b>7718/57-1×LED60W</b>
		75W	只 Piece	<b>7718/57-1×LED75W</b>
		90W	只 Piece	<b>7718/57-1×LED90W</b>
 灯伞 lamp shade	用于 CZ6474/135 Used for CZ6474/135	只 Piece	<b>D8724/5</b>	
	用于 CZ6474/145 Used for CZ6474/145	只 Piece	<b>D8724/6</b>	

**外形及安装尺寸 Outline and installation dimensions**

 吊杆灯  
 Pendant pole type lamp

 支架灯  
 Bracket type lamp

 墙壁灯  
 Wall type lamp


单位 Unit: mm



型号 Type	A1	A2	B1	B2	B3	B4	B5	B6	B7
<b>CZ6474/135</b>	246	400	305	290	396	310	272	282	70
<b>CZ6474/145</b>	297	450	310	299	405	325	285	291	85

 注：“▲” 电缆引入口方向  
 Note: “▲” cable entry direction

 平台灯 25°  
 Platform type lamp 25°

 护栏式安装  
 Fence type

 法兰式安装  
 Flange type

 平面灯  
 Surface type lamp
