

描述

防爆高杆灯和三防高杆灯可广泛适用于石油、化学工程、国防工程、航天工程、港口工程、储备库、大型危险品货柜码头、油井开采现场、道路、广场、机场停机坪等大面积集中照明的场所。

高杆灯由灯盘、灯杆、配电控制系统、自动升降传动系统、挂钩系统、钢缆导向滑轮系统、导向及制动系统和防雷接地装置等组成。结构合理、强度高，组装、维修和更换光源方便，升降系统和电器系统技术先进、性能可靠。金属件均采用热浸锌防腐处理，并进行钝化处理。

- 防爆高杆灯配有防爆电机、防爆电控箱和防爆灯具
- 三防高杆灯配有常规电机、电控箱和三防灯具

Descriptions:

The explosion-proof high-pole light fittings and the water-proof, dust-proof, corrosion-proof high-pole light fittings can satisfy the related requirements of concentrated illumination in defense construction, aerospace engineering, port works, reserve pool, container ports for large hazardous goods, oil-well production sites, roads, squares, and airport aprons and so on.

The high-pole light fitting comprises lamp plate and lamp pole, power distribution control system, automatic lifting drive system, hook system, wire rope guiding pulley system, guidance and brake system, lightning protection and earthing device and etc.. For the reasonable structure, high intensity, the assembly, maintenance and changing the light source becomes convenient. Advanced technology of the lifting system and the electric system adopted makes the performance be reliable. All hot-dip galvanized metal pieces for corrosion protection are purified.

- The explosion-proof high-pole light fitting is fitted with explosion-proof electric motor, explosion-proof electric control box and explosion-proof light fitting.
- The water-proof, dust-proof, corrosion-proof high-pole light fitting is fitted with conventional electric motor, electric control box and water-proof, dust-proof, corrosion-proof light fitting.

防爆高杆灯使用范围:

The applicable scope of explosion-proof high-pole light fittings:

1 区和 2 区

21 区和 22 区

Zone 1 and zone 2

Zone 21 and zone 22

● 主要数据 Main technical data:

认证 Certification | 防爆标志 Ex mark | 符合标准 Meet the standard

防爆高杆灯 Explosion-proof high-pole light fittings

China (CQST Ex)	Ex d IIC T*	DIP A21 Ta,T*	(防爆灯 Ex lamp)	GB3836	GB12476
China (CQST Ex)	Ex de IIB T*	DIP A21 Ta,T*	(防爆灯 Ex lamp)	GB3836	GB12476
China (CQST Ex)	Ex nR T*	DIP A21 Ta,T*	(防爆灯 Ex lamp)	GB3836	GB12476

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: 220V AC 50/60Hz

 使用环境温度: $-40^{\circ}\text{C} < \text{Ta} < 50^{\circ}\text{C}$ (40℃)

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: 220V AC 50/60Hz

 Ambient temperature: $-40^{\circ}\text{C} < \text{Ta} < 50^{\circ}\text{C}$ (40℃)

三防高杆灯

防腐标志: WF2

防护等级: IP66

额定电压: AC220V 50/60Hz

 使用环境温度: $-40^{\circ}\text{C} < \text{Ta} < 50^{\circ}\text{C}$ (40℃)

Weather-proof high-pole light fittings

Corrosion-proof mark: WF2

Degree of protection: IP66

Rated voltage: AC220V 50/60Hz

 Ambient temperature: $-40^{\circ}\text{C} < \text{Ta} < 50^{\circ}\text{C}$ (40℃)

● 订购规格 Order specifications:

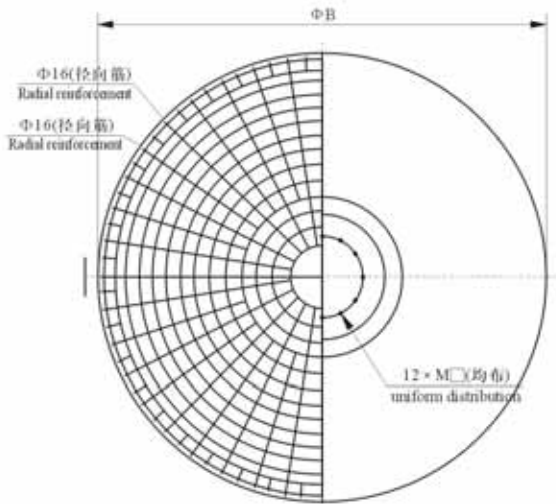
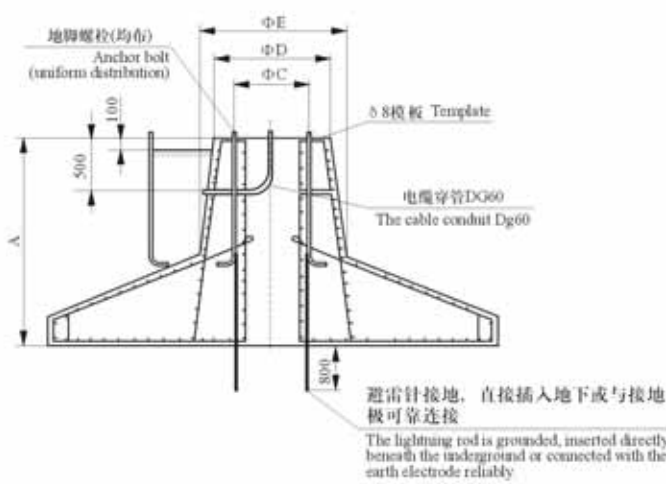
型号含义 Model implication:


● 灯具名称 The name of light fitting:

图样 Illustration	灯具名称 The name of light fitting	灯具型号 The model of light fitting	功率 Power	防爆标志 Ex mark	防护等级 Degree of protection	备注 Remark
	防爆投光灯 Explosion-proof projecting light fittings	CZ0877d	250W 400W	Ex de IIC T* DIP A21 Ta,T*	IP66	详见43-44页 See page 43-44
		CZ0877n	250W 400W	Ex nR II T* DIP A21 Ta,T*	IP66	详见121-122页 See page 121-122
	防爆泛光灯 Explosion-proof floodlight light fittings	CZ0878d	250W 400W	Ex de IIB T* DIP A21 Ta,T*	IP66	详见39-40页 See page 39-40
		CZ0878n	250W 400W	Ex nR II T* DIP A21 Ta,T*	IP66	详见117-118页 See page 117-118

图样 Illustration	灯具名称 The name of light fitting	灯具型号 The model of light fitting	功率 Power	防腐标志 Corrosion-proof mark	防护等级 Degree of protection	备注 Remark
	三防投光灯 Water-proof, dust-proof, corrosion-proof projecting light fittings	M10877	250W 400W	WF1	IP66	详见209-210页 See page 209-210
	三防泛光灯 Water-proof, dust-proof, corrosion-proof floodlight light fittings	M10878	250W 400W	WF1	IP66	详见201-202页 See page 201-202

• 安装形式和外形尺寸 Mounting ways and outline dimensions:



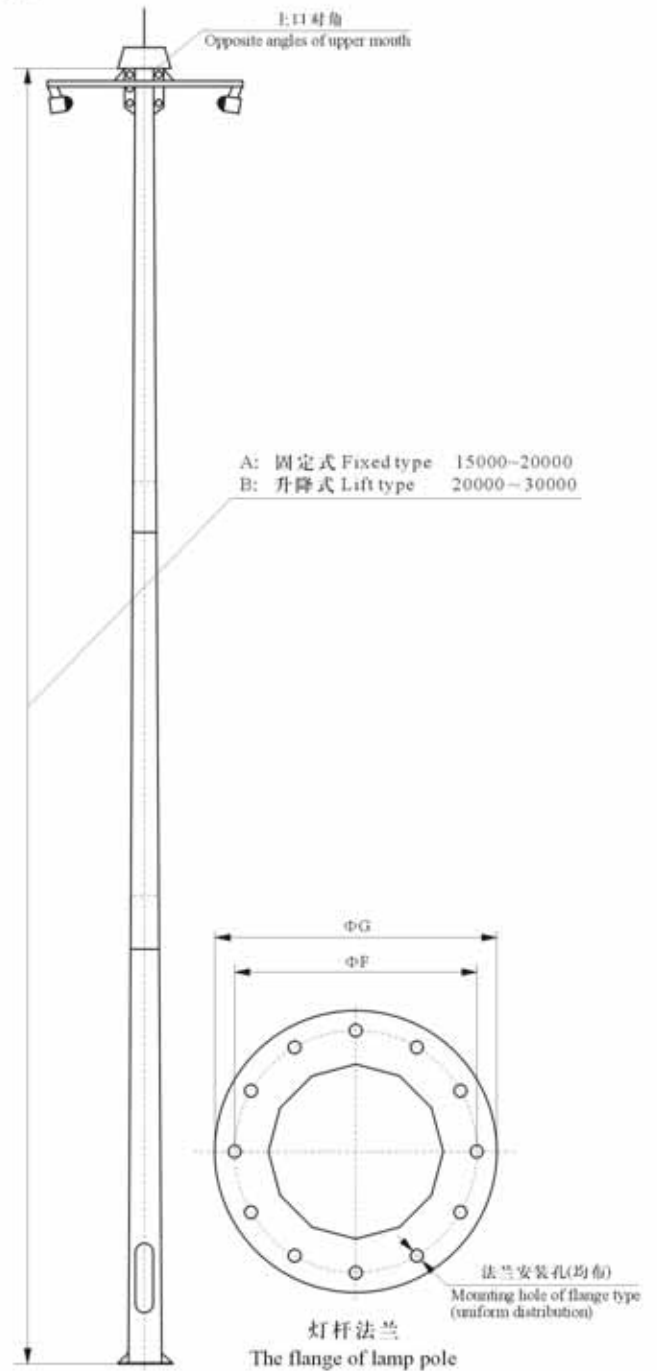
高杆灯基础设施图
Base diagram of high-pole light fitting

- 注: 1、本基础为钢筋混凝土结构, 按《建筑地基基础设计规范》GBJ7-89等标准设计;
 2、本基础适用于地基承载力设计值 $f > 10t/m^2$ 和最大风力不超过11级的地区, 地质状况比较复杂时, 应由当地勘察设计单位确定。
 3、本基础垫层厚度不小于150mm, 钢筋保护层厚度不小于40mm, 混凝土强度等级不低于C20。
 4、4根接地线 $\Phi 16$ 与地脚螺栓应焊牢, 接地电阻应小于 10Ω 。
 5、基础顶面应高出回填土表面0.1米, 地脚螺栓螺牙高出定位盘0.15米。

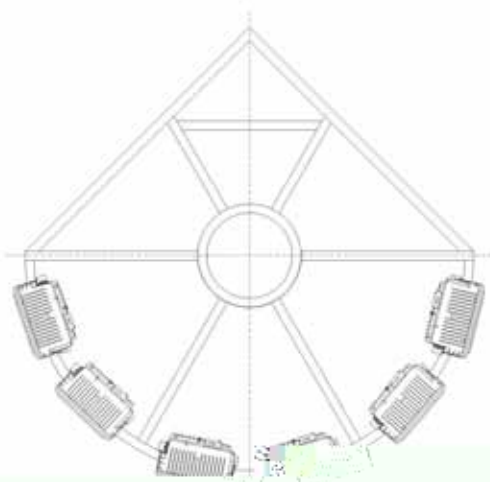
Note 1. The base is reinforced concrete structure designing within the standards, "Code for Design of Building Foundation" GBJ7-89.
 2. The base is applicable to area in which the designed value of subgrade bearing capacity is $f \geq 10t/m^2$ and the maximum wind doesn't exceed eleven. It shall be determined by the local unit of project design when the geological condition is complicated.
 3. The thickness of the stone layer/cushion coat of the base is no less than 150mm, the thickness of the protection layer of concrete reinforcing bar is no less than 40mm, and the rank grade of the concrete strength is no less than C20.

4. The four earthing wires of $\Phi 16$ should be welded completely with the anchor bolt, with the earthing resistance shall be less than 10Ω .
 5. The top surface shall be 0.1m higher than the surface after being backfilled, the thread of bay anchor bolt should be 0.15m higher than positioning plate.

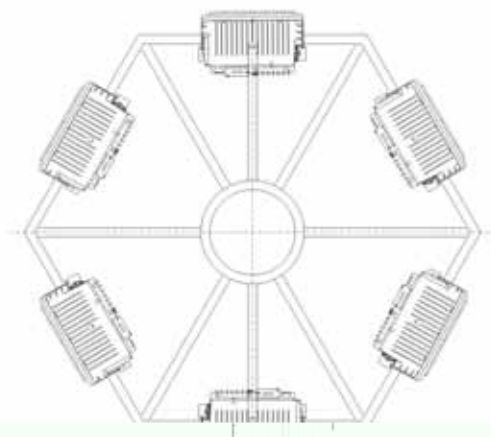
高度(h) H / Unit	地脚螺栓 Anchor bolt					法兰安装孔 Mounting hole of flange type	
	A	ΦB	ΦC	ΦD	ΦE	ΦF	ΦG
20m	2400mm	300mm	75mm	900mm	150mm	12 × M30	750mm 900mm
25m	2600mm	320mm	80mm	1200mm	150mm	12 × M36	800mm 1000mm
30m	3200mm	380mm	84mm	1200mm	150mm	12 × M42	840mm 1000mm



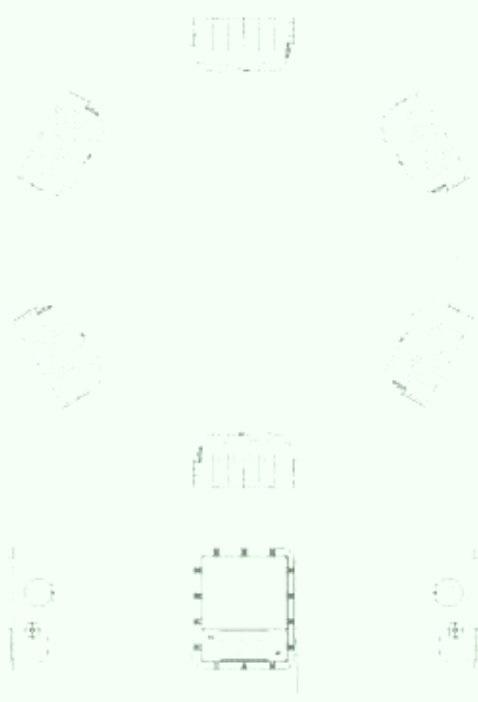
• 外形举例 Examples of the outline:



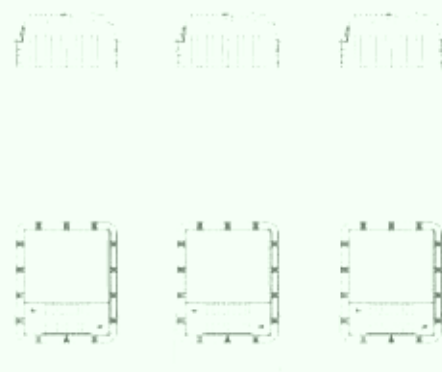
扇形灯盘
Sectoral lamp plate



六边形灯盘
Hexagonal lamp plate



圆形灯盘
Circular lamp plate



三角形灯盘
Triangular lamp plate