




Marine illumination electrics

船用照明电气选型手册(综合版)



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航行信号灯系列 THE SERIES OF NAVIGATION SIGNAL LIGHTS



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073



投光灯
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074

投光灯系列 THE SERIES OF SPOT LIGHT



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078



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079



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084



TG17-L 投光灯
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085



TG18(TG11)/TG19 投光灯
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089



TG26、TG27、TG28 探照灯
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090



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091



TG26-A、TG27-A、TG28-A
无线遥控探照灯
Wireless Remote Control
Search Light

092



TZ1、TZ1-A 无线遥控探照灯
Wireless Remote Control
Search Light

093



TZ2、TZ3、TZ4
TZ2-A、TZ3-A、TZ4-A
无线遥控探照灯
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TZ5 苏伊士运河探照灯
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101



CFD1 白炽防爆灯
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防爆灯系列 THE SERIES OF EXPLOSION-PROOF LIGHTS



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防爆插头、插座
Explosion-Proof Plug, Socket

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防爆插头、插座
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USCG Watertight
Plug & Socket

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IEC 标准防水电源插头
IEC Watertight Plug

112



IEC 标准防水电源插座
IEC Watertight Socket

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IEC 标准防水双插座
IEC Standard Waterproof
Dual-Socket

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IEC 带锁开关插座
IEC Socket & Switch Lock

116



IEC 不带锁开关插座
IEC Without A Lock Switch
Socket

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HNA10A/16A 船用铜质开关
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HNA10A/16A 船用铜质插头、
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HNA10A/16A 船用铜质
带开关插座
Marine Brass Socket With Switch

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HNA10A/16A 船用铜质接线盒
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船用铜质大电流水密插头、
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Marine Brass High-Current
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船用铜质带联锁开关插座
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船用铜质带指示灯开关
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10A 船用尼龙开关
Marine Nylon Switch

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10A 船用尼龙开关带插座
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10A 船用尼龙接线盒
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10A 船用尼龙插头、插座
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船用尼龙水密插头、插座及开关、接线盒
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Socket Switch And Junction Box

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船用水密插头
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船用水密插座、开关带插座
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插座 (配套 CXD8 白昼信号灯)
Socket (Fitting Daylight Signal Light CXD8)

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舱室开关、插头、插座、
接线盒系列
Series Of Cabin Switch, Plug,
Socket And Junction Box

133



冷藏插头、插座
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船用音响信号系列
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船用高低压插座箱
Marine High-Low-Voltage
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船用接线箱
Marine Junction Box

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船用货舱插座箱
Marine Socket Box Of Cargo Light

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船用电风扇
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火警按钮
Fire Warning Button

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按钮开关
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莫氏电键
Morse Key

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船用灯具、配件
The Fittings For Marine
Luminaire And Electric
Appliances

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船用灯具、配件 - 灯罩
The Fittings For Marine
Luminaire And Electric
Appliances-Lampshade

159



船用灯具、配件 - 光源
The Fittings For Marine
Luminaire And Electric
Appliances-Illuminant

160

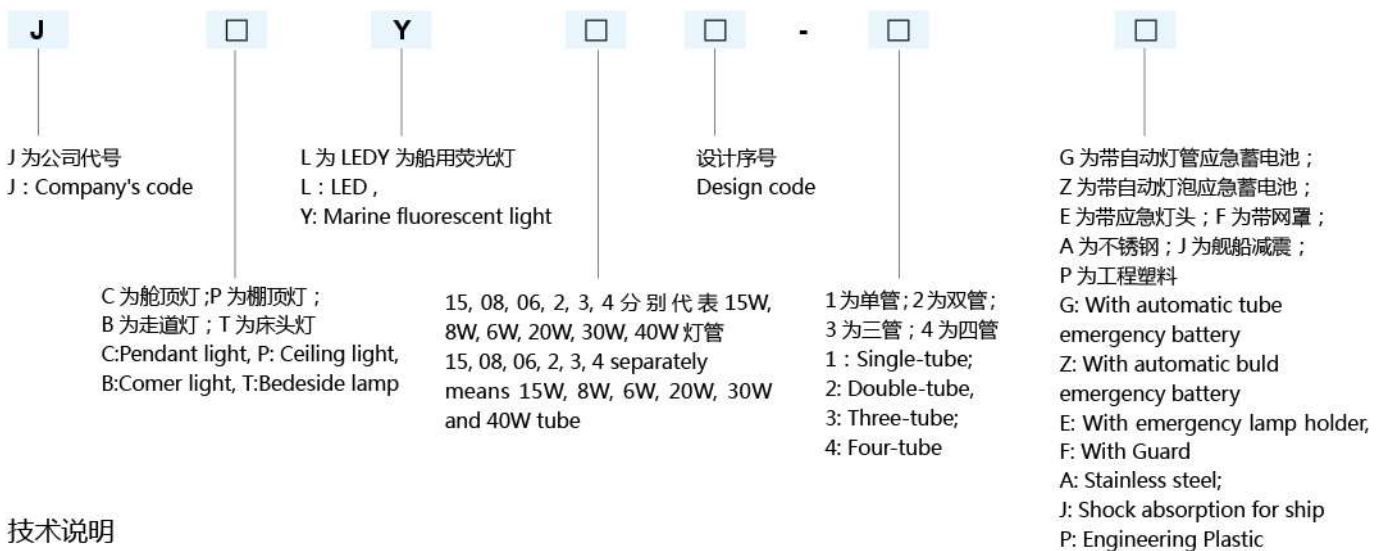
航行信号灯型号说明

Models Instruction of navigation signal lights



船用照明灯具型号说明

Models Instruction of marine fluorescent lights



技术说明

1. 荧光灯具适用于交流电路中，额定电压为 220V 和 110V 两种，频率为 50Hz 和 60Hz；
2. 灯具工作环境温度为 -20℃ ~ +50℃ 正常工作；
3. 荧光灯具不提供荧光灯管和小应急灯泡，需配置的情况下另外订货；
4. 荧光灯具选用的主要元器件为进口优质的产品，灯罩的材料为 PC 注塑制成，具有不变色、韧性好灯热点；
5. 荧光灯具需应急设计的型号选为带 E 字母标识，需带网罩的型号选为带 F 字母的标识。

Technical Remark

1. Fluorescent lights fit for AC circuit, the rated voltage is 220V and 110V, the frequency is 50Hz and 60Hz.
2. The working temperature of lights is -20℃ ~ +50℃, can work normally.
3. Fluorescent lights without the tube and emergency small bulb, if need, please remark when order.
4. The main component of fluorescent light adopt good quality import product, the material of lampshade is PC injection, also have the feature of not discdor, fine toughness etc.
5. The type of fluorescent lights adopt letter "E" marking when need the emergency disign, if need guard, adopt letter "F" marking.



Cuttlefish
TECHNOLOGY

航行信号灯系列

THE SERIES OF NAVIGATION SIGNAL LIGHTS





CXH-101PL 双层航行信号灯

DOUBLE-DECK NAVIGATION SIGNAL LIGHT

适用范围

适用于 50 米或 50 米以上各类船舶作夜间航行灯光信号联络作用。

产品特点

- 1、壳体采用高强度工程塑料 PA+GF，透光罩采用 PC 注塑成型，遮光板采用优质不锈钢模压成型；
- 2、号灯具有整体密封结构，在恶劣环境下使用具有防水作用；
- 3、号灯选用符合船舶规范的专用 LED 光源，更节能，使用寿命更长；
- 4、号灯在环境温度为 -30°C ~ 55°C 的范围内能正常工作。

采用标准

GB/T 3028、MSC253(8) 决议、《1972 年国际海上避碰规则》和《钢质海船入级规范(CCS)》。

产品专利

专利号：ZL 201721558792.X

规格 Specifications

额定电压 Rated voltage	AC100-240V 50/60Hz, DC24V
防护等级 Protection class	IP56
电缆外径 Cable outside Diameter	Φ10~Φ12
光源 Illuminant	LED

型号 / 名称 Name/Type	可见距离 Visibility	水平光弧 Level arc	颜色 Color	功率 Power	重量 Weight
CXH1-101PL 右旋灯 Starboard light	3n.m	112.5°	绿 Green	2*8W	5.2kg
CXH2-101PL 左旋灯 Port light	3n.m	112.5°	红 Red	2*8W	5.2kg
CXH3-101PL 桅灯 Masthead light	6n.m	225°	白 White	2*8W	5.2kg
CXH4-101PL 艉灯 Stern light	3n.m	135°	白 / 黄 White/Yellow	2*8W	5.2kg
CXH6-101PL 环照灯 All-round light	3n.m	360°	红 / 绿 / 白 Red/Green/White	2*8W	5kg

The scope of application

Applied to the ships with the length 50m or above 50m as lamp signal liaison when night navigation.

Products characteristic

- 1.The shell is made of high-strength engineering plastic PA+GF, the lampshade adopts injection of PC, lens hood adopts good quality stainless steel.
- 2.The signal lights have the whole seal structure, it is waterproof under the harsh environment.
- 3.The signal lights use exclusive LED illuminant which accords with ship rules and regulations, More energy efficient, longer working life.
- 4.The signal lights can work normally under the temperature -30°C ~ 55°C .

Adopt standard

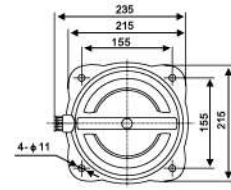
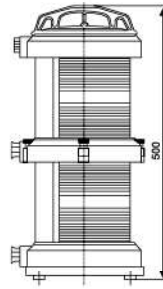
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Production patent

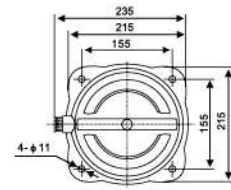
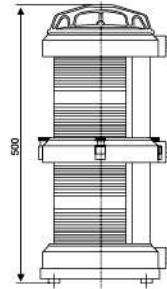
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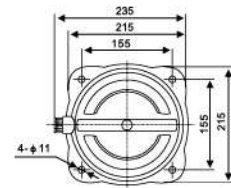
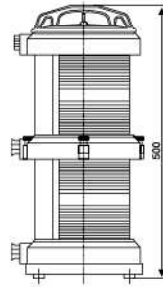
CXH1-101PL 双层右舷灯
Double-deck starboard light



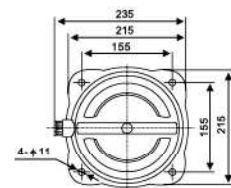
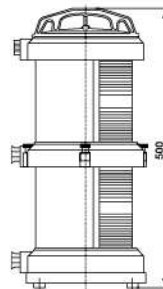
CXH2-101PL 双层左舷灯
Double-deck port light



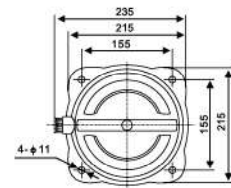
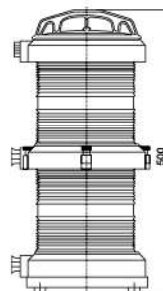
CXH3-101PL 双层桅灯
Double-deck masthead light



CXH4-101PL 双层艉灯
Double-deck stern light



CXH6-101PL 双层环照灯
Double-deck all-round light





CXH-11PL 单层航行信号灯

SINGLE-DECK NAVIGATION SIGNAL LIGHT

适用范围

适用于 50 米或 50 米以上各类船舶作夜间航行灯光信号联络作用。

产品特点

- 1、壳体采用高强度工程塑料 PA+GF，透光罩采用 PC 注塑成型，遮光板采用优质不锈钢模压成型；
- 2、号灯具有整体密封结构，在恶劣环境下使用具有防水作用；
- 3、号灯选用符合船舶规范的专用 LED 光源，更节能，使用寿命更长；
- 4、号灯在环境温度为 -30°C ~ 55°C 的范围内能正常工作。

采用标准

GB/T 3028、MSC253(8) 决议、《1972 年国际海上避碰规则》和《钢质海船入级规范 (CCS)》。

产品专利

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电缆外径 Cable outside Diameter	Φ10~Φ12
光源 Illuminant	LED

型号 / 名称 Name/Type	可见距离 Visibility	水平光弧 Level arc	颜色 Color	功率 Power	重量 Weight
CXH1-11PL 右旋灯 Starboard light	3n.m	112.5°	绿 Green	8W	2.95kg
CXH2-11PL 左旋灯 Port light	3n.m	112.5°	红 Red	8W	2.95kg
CXH3-11PL 桅灯 Masthead light	6n.m	225°	白 White	8W	2.9kg
CXH4-11PL 艉灯 Stern light	3n.m	135°	白 / 黄 White/Yellow	8W	2.88kg
CXH6-11PL 环照灯 All-round light	3n.m	360°	红 / 绿 / 白 Red/Green/White	8W	2.85kg

The scope of application

Applied to the ships with the length 50m or above 50m as lamp signal liaison when night navigation.

Products characteristic

- 1.The shell is made of high-strength engineering plastic PA+GF, the lampshade adopts injection of PC, lens hood adopts good quality stainless steel.
- 2.The signal lights have the whole seal structure, it is waterproof under the harsh environment.
- 3.The signal lights use exclusive LED illuminant which accords with ship rules and regulations, More energy efficient, longer working life.
- 4.The signal lights can work normally under the temperature -30°C ~ 55°C.

Adopt standard

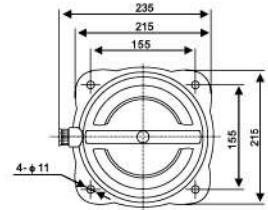
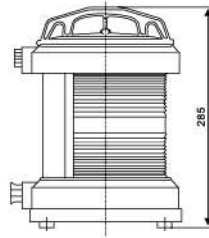
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Production patent

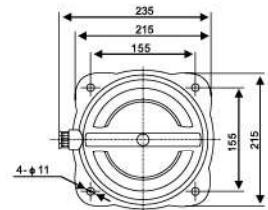
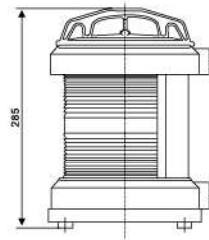
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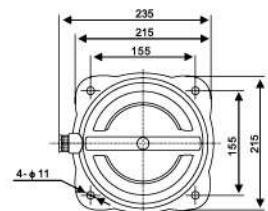
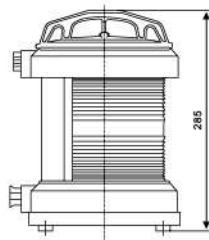
CXH1-11PL 单层右舷灯
Single-deck starboard light



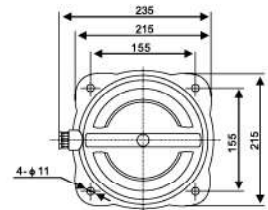
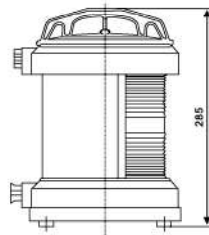
CXH2-11PL 单层左舷灯
Single-deck port light



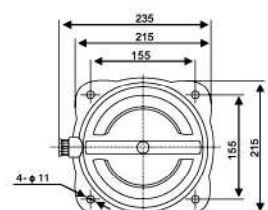
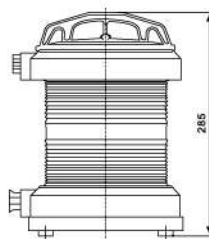
CXH3-11PL 单层桅灯
Single-deck masthead light



CXH4-11PL 单层艉灯
Single-deck stern light



CXH6-11PL 单层环照灯
Single-deck all-round light



CXH-101P 双层航行信号灯

DOUBLE-DECK NAVIGATION SIGNAL LIGHT

适用范围

适用于 50 米或 50 米以上各类船舶作夜间航行灯光信号联络作用。

产品特点

- 1、壳体采用高强度工程塑料 PA+GF，透光罩采用 PC 注塑成型，遮光板采用优质不锈钢模压成型；
- 2、号灯具有整体密封结构，在恶劣环境下使用具有防水作用；
- 3、号灯灯座与底座的连接采用翻盖式，拧开螺丝翻开上盖即可更换灯泡，比老款插拔式更加稳定；
- 4、号灯采用符合船舶规范的船用号灯灯泡，平均寿命不低于 700h；
- 5、号灯在环境温度为 -30°C ~ 55°C 的范围内能正常工作。

采用标准

- 1、符合《1972 年国际海上避碰规则》和《钢质海船入级规范》；
- 2、符合国际 IEC60598-1-2008 标准；
- 3、符合国家标准船用电气号灯技术条件 GB/T3028-1995。

产品认证

- 1、经中国船级社质量管理体系 "CCS" 认证，认证编号 00515Q20619R0M；
- 2、欧共体 "CE" 认证；
- 3、专利号：ZL 2013 2 0504684.X ZL 201530439138.7
ZL 201721434370.1
- 4、经美国船级社 "ABS" 认证，认证编号 18-SQ1799333-PDA

规格 Specifications

国际代码 International code	名称 Name	型号 Type	可见距离 Visibility	水平光弧 Level arc	灯座 Lamp holder	灯泡功率 Bulb	防护等级 Protection class	电缆外径 Cable outside diameter	颜色 Color	重量 Weight
370422	双层右舷灯 Double-deck starboard light	CXH1-101P	3n.m	112.5°	P28S	24V/2×60W60cd 110V/2×60W60cd 220V/2×60W60cd	IP56	Φ12-Φ13	绿 Green	5.00kg
370423	双层左舷灯 Double-deck port light	CXH2-101P	3n.m	112.5°					红 Red	5.00kg
370421	双层桅灯 Double-deck masthead light	CXH3-101P	6n.m	225°					明 Transparent	4.90kg
370424	双层艉灯 Double-deck stern light	CXH4-101P	3n.m	135°					明黄 Transparent Yellow	4.80kg
370426 370427 370428	双层环照灯 Double-deck all-round light	CXH6-101P	3n.m	360°					红 绿 明 Red Green Transparent	4.50kg

The scope of application

Applied to the ships with the length 50m or above 50m as lamp signal liaison when night navigation.

Products characteristic

- 1.The shell is made of high-strength engineering plastic PA+GF, the lampshade adopts injection of PC, lens hood adopts good quality stainless steel.
- 2.The signal lights have the whole seal structure, it is waterproof under the harsh environment.
- 3.The connection between the lamp holder and the light base is clamshell type, it is easy to unscrew the top cover and replace the bulb, this structure is more stable than the previous plug-in type.
- 4.The signal lights adopt the signal light's bulb which conform to the ship norm, and the average life is more than 700h.
- 5.The signal lights can work normally under the temperature -30°C ~55°C .

Adopt standard

1. Conform to 《THE INTERNATIONAL REGULATIONS FOR PREVENTINGS COLLISION AT SEA, 1972》 and 《GRADE ENTRY NORMS FOR STEEL SHIPS》 .
2. Conform to the international standard IEC60598-1-2008.
3. Conform to the standard of marine electric signal light's technical condition GB/T 3028-1995.

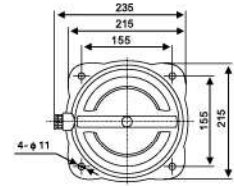
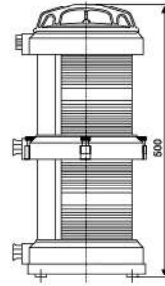
Production authentication

- 1.Approval by CCS(China Classification Society), certificate number 00515Q20619R0M.
- 2.Passed the authentication of CE.
- 3.Patent No.:ZL 2013 2 0504684.X ZL 201530439138.7
ZL 201721434370.1
4. By the American Bureau of Shipping "ABS" certification, certificate number 18-SQ1799333-PDA

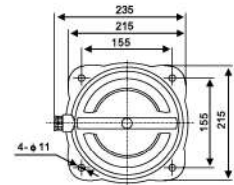
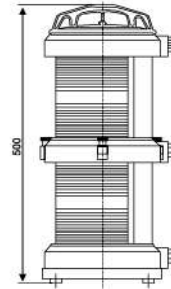
CXH-101P 双层航行信号灯

DOUBLE-DECK NAVIGATION SIGNAL LIGHT

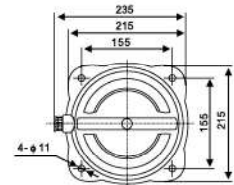
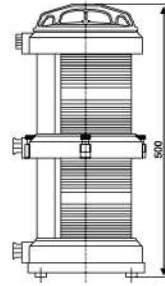
CXH1-101P 双层右舷灯
Double-deck starboard light



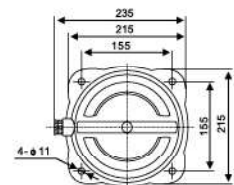
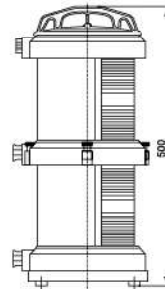
CXH2-101P 双层左舷灯
Double-deck port light



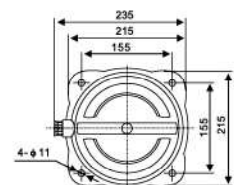
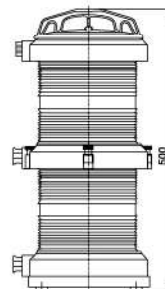
CXH3-101P 双层桅灯
Double-deck masthead light



CXH4-101P 双层艉灯
Double-deck stern light



CXH6-101P 双层环照灯
Double-deck all-round light



CXH-11P 单层航行信号灯

SINGLE-DECK NAVIGATION SIGNAL LIGHT

适用范围

适用于 50 米或 50 米以上各类船舶作夜间航行灯光信号联络作用。

产品特点

- 1、壳体采用高强度工程塑料 PA+GF 材料注塑成型，透光罩采用 PC 注塑成型，遮光板采用优质不锈钢模压成型；
- 2、号灯具有整体密封结构，在恶劣环境下使用具有防水作用；
- 3、号灯灯座与底座的连接采用插拔式，打开上盖即可更换灯泡；
- 4、号灯选用符合船舶规范的船用号灯灯泡，平均寿命不低于 700h；
- 5、号灯在环境温度为 -30°C ~ 55°C 的范围内能正常工作。

采用标准

- 1、符合《1972 年国际海上避碰规则》和《钢质海船入级规范》；
- 2、符合国际 IEC60598-1-2008 标准；
- 3、符合国家标准船用电气号灯技术条件 GB/T3028-1995。

产品认证

- 1、经中国船级社质量管理体系 "CCS" 认证，认证编号 00515Q20619R0M；
- 2、欧共体 "CE" 认证；
- 3、经美国船级社 "ABS" 认证，认证编号 18-SQ1799333-PDA

规格 Specifications

国际代码 International code	名称 Name	型号 Type	可见距离 Visibility	水平光弧 Level arc	灯座 Lamp holder	灯泡功率 Bulb	防护等级 Protection class	电缆外径 Cable outside diameter	颜色 Color	重量 Weight
370422	右舷灯 Starboard light	CXH1-11P	3n.m	112.5°	P28S	24V/60W 60cd 110V/60W 60cd 220V/60W 60cd	IP56	Φ12-Φ13	绿 Green	3.00kg
370423	左舷灯 Port light	CXH2-11P	3n.m	112.5°					红 Red	3.00kg
370421	桅灯 Masthead light	CXH3-11P	6n.m	225°					明 Transparent	2.98kg
370424	艉灯 Stern light	CXH4-11P	3n.m	135°					明黄 Transparent Yellow	2.98kg
370426 370427 370428	环照灯 All-round light	CXH6-11P	3n.m	360°					红绿明 Red Green Transparent	2.79kg

The scope of application

Applied to the ships with the length 50m or above 50m as lamp signal liaison when night navigation.

Products characteristic

1. The shell is made of high-strength engineering plastic PA+GF injection, the lampshade adopts injection of PC, the lens hood adopts the good quality stainless steel.
2. The signal lights have the whole seal structure, it is waterproof under the bad environment.
3. The connection of the signallight's lamp holder and the base adopt plug-in type, can replace the up and down bulb when open the cover.
4. The signal lights adopt the signal light's bulb which conform to the ship norm, and the average life is more than 700h.
5. The signal lights can work normally under the temperature -30°C ~ 55°C .

Adopt standard

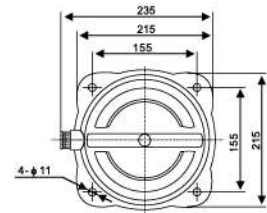
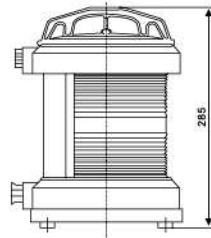
1. Conform to 《THE INTERNATIONAL REGULATIONS FOR PREVENTINGS COLLISION AT SEA, 1972》 and 《GRADE ENTRY NORMS FOR STEEL SHIPS》 .
2. Conform to the international standard IEC60598-1-2008.
3. Conform to the standard of marine electric signal light's technical condition GB/T 3028-1995.

Production authentication

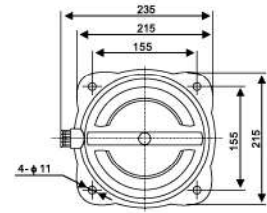
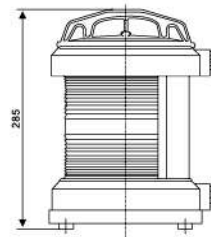
1. Approval by CCS(China Classification Society), certificate number 00515Q20619R0M.
2. Passed the authentication of CE.
3. By the American Bureau of Shipping "ABS" certification, certificate number 18-SQ1799333-PDA

CXH-11P 单层航行信号灯
SINGLE-DECK NAVIGATION SIGNAL LIGHT

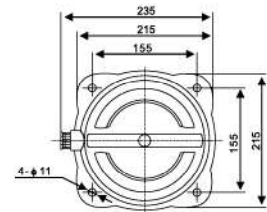
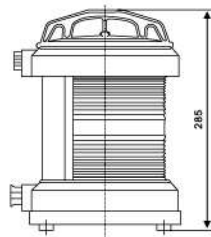
CXH1-11P 右舷灯
Starboard light



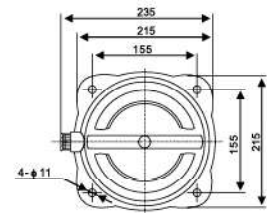
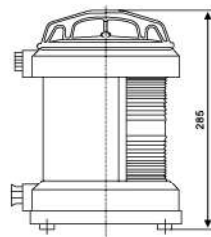
CXH2-11P 左舷灯
Port light



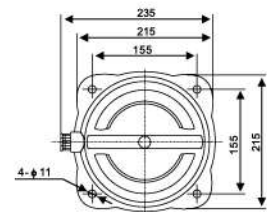
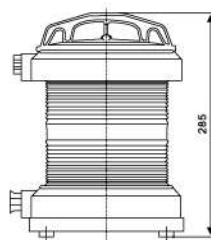
CXH3-11P 桅灯
Masthead light



CXH4-11P 艉灯
Stern light



CXH6-11P 环照灯
All-round light



CXH-21P 航行信号灯

NAVIGATION SIGNAL LIGHT

适用范围

适用于 12 米或 12 米以上 (<50 米) 各类船舶作夜间航行灯光信号联络作用。

产品特点

- 1、壳体采用高强度工程塑料 PA+GF 材料注塑成型，透光罩采用 PC 注塑成型，遮光板采用优质不锈钢模压成型；
- 2、号灯具有整体密封结构，在恶劣环境下使用具有防水作用；
- 3、号灯选用符合船舶规范的专用信号灯泡，拧开上盖即可更换灯泡；
- 4、号灯在环境温度为 -30°C ~55°C 的范围内能正常工作。

采用标准

- 1、符合《1972 年国际海上避碰规则》和《钢质海船入级规范》；
- 2、符合国际 IEC60598-1-2008 标准；
- 3、符合国家标准船用电气号灯技术条件 GB/T3028-1995。

产品认证

- 1、经中国船级社质量管理体系 "CCS" 认证，认证编号 00515Q20619R0M；
- 2、欧共体 "CE" 认证；
- 3、经美国船级社 "ABS" 认证，认证编号 18-SQ1799333-PDA

规格 Specifications

名称 Name	型号 Type	可见距离 Visibility	水平光弧 Level arc	灯座 Lamp holder	灯泡功率 Bulb	防护等级 Protection class	电缆外径 Cable outside diameter	颜色 Color	重量 Weight
右舷灯 Starboard light	CXH1-21P	2n.m	112.5°	BAY15d	12V/25W 40cd 24V/25W 60cd	IP56	Φ8	绿 Green	1.17kg
左舷灯 Port light	CXH2-21P	2n.m	112.5°					红 Red	1.17kg
桅灯 Masthead light	CXH3-21P	5n.m	225°					明 Transparent	1.10kg
艉灯 Stern light	CXH4-21P	2n.m	135°					明黄 Transparent Yellow	1.16kg
环照灯 All-round light	CXH6-21P	2n.m	360°					红 绿 明 Red Green Transparent	1.02kg

The scope of application

Applied to the ships with the length 12m or above 12m (<50m) as lamp signal liaison when night navigation.

Products characteristic

1. The shell is made of high-strength engineering plastic PA+GF injection, the lampshade adopts injection of PC, the lens hood adopts the good quality stainless steel.
2. The signal lights have the whole seal structure, it is waterproof under the harsh environment.
3. The signal lights choose the special signal bulb which conform to the ship criterion, it can replace bulb as open the up cover.
4. The signal lights can work normally under the temperature -30°C ~55°C .

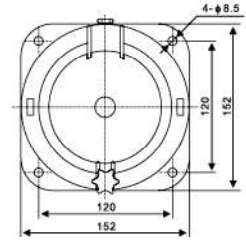
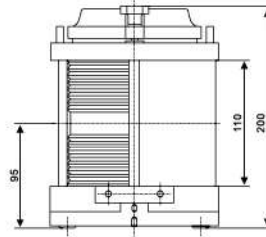
Adopt standard

1. Conform to 《THE INTERNATIONAL REGULATIONS FOR PREVENTINGS COLLISION AT SEA, 1972》and 《GRADE ENTRY NORMS FOR STEEL SHIPS》.
2. Conform to the international standard IEC60598-1-2008.
3. Conform to the standard of marine electric signal light's technical condition GB/T 3028-1995.

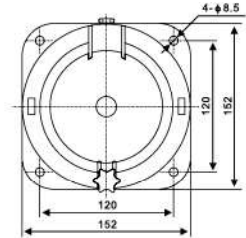
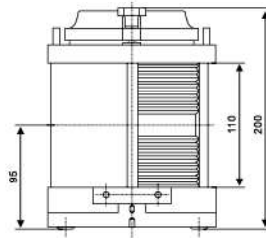
Production authentication

1. Approval by CCS(China Classification Society), certificate number 00515Q20619R0M.
2. Passed the authentication of CE.
3. By the American Bureau of Shipping "ABS" certification, certificate number 18-SQ1799333-PDA

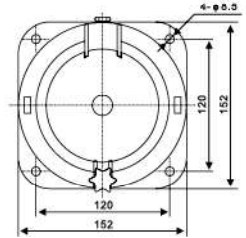
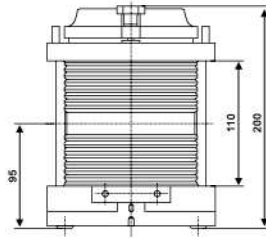
CXH1-21P 右舷灯
Starboard light



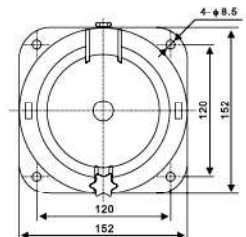
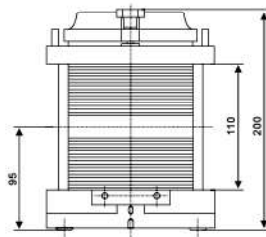
CXH2-21P 左舷灯
Port light



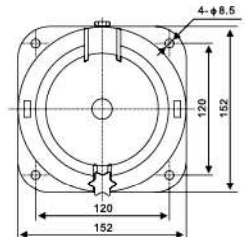
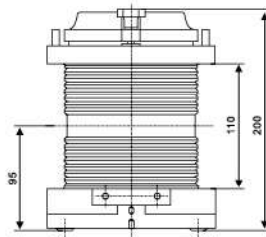
CXH3-21P 桅灯
Masthead light



CXH4-21P 艉灯
Stern light



CXH6-21P 环照灯
All-round light



CXH-3P 航行信号灯

NAVIGATION SIGNAL LIGHT

适用范围

适用于 12 米以下各类船舶作夜间航行灯光信号联络作用。

产品特点

- 1、壳体采用高强度工程塑料 PA+GF 材料注塑成型，透光罩采用 PC 注塑成型，遮光板采用优质铜合金模压成型；
- 2、号灯具有整体密封结构，在恶劣环境下使用具有防水作用；
- 3、号灯选用符合船舶规范的专用信号灯泡，拧开灯罩即可更换灯泡；
- 4、号灯在环境温度为 -30°C ~55°C 的范围内能正常工作。

采用标准

- 1、符合《1972 年国际海上避碰规则》和《钢质海船入级与建造规范》；
- 2、符合国际 IEC60598-1-2008 标准；
- 3、符合国家标准船用电气号灯技术条件 GB/T3028-1995。

产品认证

- 1、经中国船级社质量管理体系 "CCS" 认证，认证编号 00515Q20619R0M；
- 2、经美国船级社 "ABS" 认证，认证编号 18-SQ1799333-PDA

规格 Specifications

名称 Name	型号 Type	可见距离 Visibility	水平光弧 Level arc	灯座 Lamp holder	灯泡功率 Bulb	防护等级 Protection class	电缆外径 Cable outside diameter	颜色 Color	重量 Weight
右舷灯 Starboard light	CXH1-3P	1n.m	112.5°	B15d	12V/25W 40cd 24V/25W 60cd	IP56	Φ10-Φ12	绿 Green	0.48kg
左舷灯 Port light	CXH2-3P	1n.m	112.5°					红 Red	0.48kg
桅灯 Masthead light	CXH3-3P	2n.m	225°					明 Transparent	0.45kg
艉灯 Stern light	CXH4-3P	2n.m	135°					明黄 Transparent Yellow	0.47kg
环照灯 All-round light	CXH6-3P	2n.m	360°					红绿明 Red Green Transparent	0.42kg

The scope of application

Fit for the ships with the length less than 12m as lamp signal when night navigation.

Products characteristic

1. The shell is made of high-strength engineering plastic PA+GF injection, the lampshade adopts injection of PC, the lens hood adopt the high quality brass alloy.
2. The signal lights have the whole seal structure, it is waterproof under the bad environment.
3. The signal lights choice the special signal bulb which conform to the ship norm, it can replace bulb when open the up cover.
4. The signal lights can work normally under the temperature -30°C ~55°C .

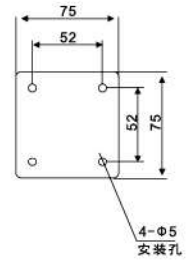
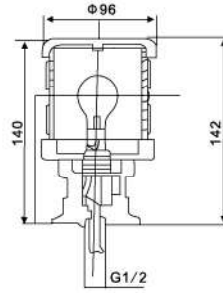
Adopt standard

1. Conform to 《THE INTERNATIONAL REGULATIONS FOR PREVENTINGS COLLISION AT SEA, 1972》 and 《GRADE ENTRY NORMS FOR STEEL SHIPS》 .
2. Conform to the international standard IEC60598-1-2008.
3. Conform to the standard of marine electric signal light's technical condition GB/T 3028-1995.

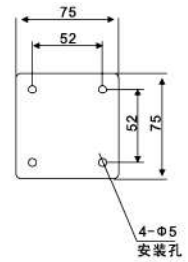
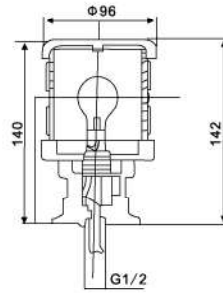
Production authentication

1. Approval by CCS(China Classification Society), certificate number 00515Q20619R0M.
2. By the American Bureau of Shipping "ABS" certification, certificate number 18-SQ1799333-PDA

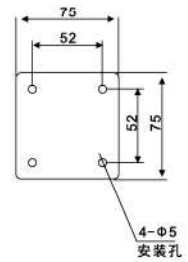
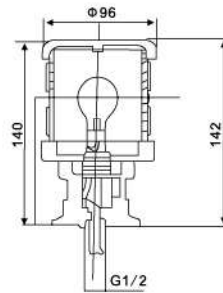
CXH1-3P 右舷灯
Starboard light



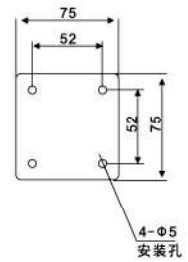
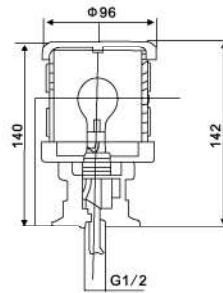
CXH2-3P 左舷灯
Port light



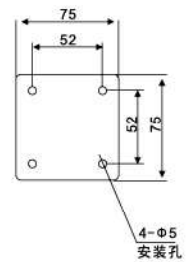
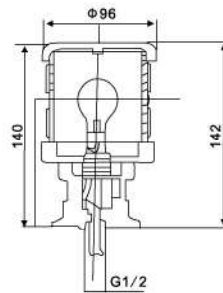
CXH3-3P 桅灯
Masthead light



CXH4-3P 艉灯
Stern light



CXH6-3P 环照灯
All-round light





适用范围

适用于 12 米以下各类船舶作夜间航行灯光信号联络作用。

The scope of application

Fit for the ships with the length less than 12m as lamp signal when night navigation.

产品特点

- 1、壳体采用高强度工程塑料 PA+GF 材料注塑成型，透光罩采用 PC 注塑成型，遮光板采用优质铜合金模压成型；
- 2、号灯具有整体密封结构，在恶劣环境下使用具有防水作用；
- 3、号灯选用符合船舶规范的 LED 光源。
- 4、号灯在环境温度为 -30°C ~55°C 的范围内能正常工作。

Products characteristic

1. The shell is made of high-strength engineering plastic PA+GF injection, the lampshade adopts injection of PC, the lens hood adopt the high quality brass alloy.
2. The signal lights have the whole seal structure, it is waterproof under the bad environment.
3. The signal lights choice the special signal bulb which conform to the ship norm, it can replace bulb when open the up cover.
4. The signal lights can work normally under the temperature -30°C ~55°C .

采用标准

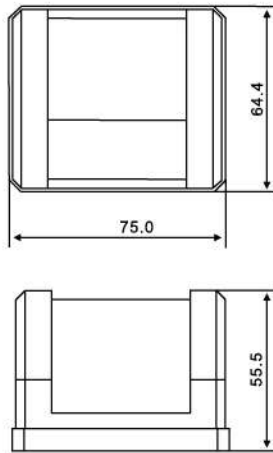
- 1、符合《1972 年国际海上避碰规则》和《钢质海船入级与建造规范》；
- 2、符合国际 IEC60598-1-2008 标准；
- 3、符合国家标准船用电气号灯技术条件 GB/T3028-1995。

Adopt standard

1. Conform to 《THE INTERNATIONAL REGULATIONS FOR PREVENTINGS COLLISION AT SEA, 1972》 and 《GRADE ENTRY NORMS FOR STEEL SHIPS》 .
2. Conform to the international standard IEC60598-1-2008.
3. Conform to the standard of marine electric signal light's technical condition GB/T 3028-1995.

规格 Specifications

名称 Name	型号 Type	可见距离 Visibility	水平光弧 Level arc	光源 light source	灯泡功率 Bulb	防护等级 Protection class	电缆外径 Cable outside diameter	颜色 Color	重量 Weight
右舷灯 Starboard light	CXH1-4P	1n.m	112.5°	LED	12~24V 5W	IP56	Φ10-Φ12	绿 Green	0.53kg
左舷灯 Port light	CXH2-4P	1n.m	112.5°					红 Red	0.53kg
桅灯 Masthead light	CXH3-4P	2n.m	225°					明 Transparent	0.53kg
艉灯 Stern light	CXH4-4P	2n.m	135°					明 黄 Transparent Yellow	0.53kg



产品特点

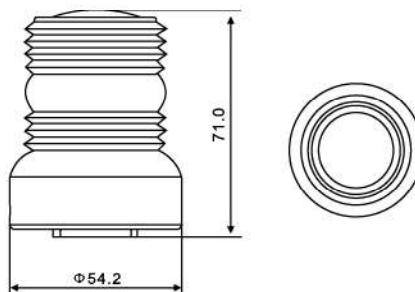
- 材质：塑料
- 灯泡类型：双尖 12V /10W
- 防水
- 电压：DC 12V

Products Characteristic

- Material: Plastic
- Bulb Type: Festoon 12V/10W
- Waterproof
- Voltage: 12 VDC

型号 Item No.	角度 Angle	可见距离 Visible distance	重量 Weight
CXH1-5P: Green starboard light CXH1-5P : 绿色右舷灯	112.5°	1n.m	0.16kg
CXH2-5P: Red port light CXH2-5P : 红色左舷灯	112.5°	1n.m	0.16kg
CXH3-5P: Masthead light CXH3-5P : 桅灯	225°	2n.m	0.16kg
CXH4-5P: Stern light CXH4-5P : 艉灯	135°	2n.m	0.16 kg
CXH6-5P: MINI red & green combination bow LT CXH6-5P : 红绿组合灯	112.5°	2n.m	0.16kg

E011041 锚灯 E011041 Anchor Light



产品参数 Products Parameter

- 材质：塑料
- 灯泡类型：BA15D 12V/8W
- 电压：12V DC
- 功率：8W
- 防水
- 尺寸 (L) : 54.2mmx71.0mm
- Material: Plastic
- Bulb Type: BA15D 12V8W
- Voltage: 12 VDC
- Power : 8W
- Waterproof
- Size (L): 54.2mm x 71.0mm

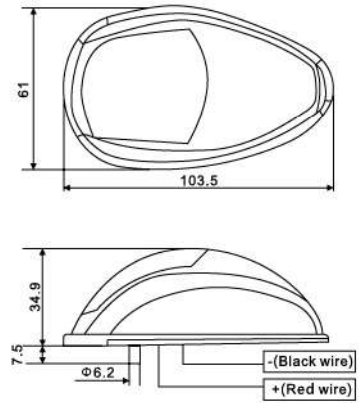
游艇信号灯

YACHT SIGNAL LIGHT



E011005-WH

E011005-BK



材质 Material	Housing:Made of PC
整体颜色 Housing Colour	E011005-WH:White E011005-BK:Black
LED 颜色 LED Colour	□ Daylight White ■ Warm White □ Red
LED	15*0.2W 2PCS
水平光弧 Level arc	Vertical mount navigation lights,Green starboard,112.5° ,Red port,112.5° For boats up to 12m,Visibility:1NM
工作电压 Working Voltage	DC10-30V
功率 Wattage	2 W(RD)/2 W(GN)
流明 Effective Lumen	Green:16Lumen Red:10Lumen
防护等级 Water-proofing and dust-proofing	IP:66
使用寿命 Life TEST FOR LED LAMP(1000 hours)	Lumen Maintenance Percentage > 90%
工作温度 Operation Temperature	-20°C ~ +45°C
认证 Certificate	UL CE ROHS TUV

光源为 Z 型附件，如外部电缆损坏，灯具将不可使用。

The light is for type " Z ".The external flexible cable or cord of this luminaire cannot be replaced;if the cord is damaged, the luminaire shell be destroyed



材质 Material	Housing:Made of ABS&PC
整体颜色 Housing Colour	Black
LED 颜色 LED Colour	■ Nature White □ Warm White □ Red □ Green
LED	33PCS
LED 光束 LED Beam Angle	120°
色温 Colour Temperature	□ Warm White:K ■ Nature White:4000-4500K
特征 Features	Surface mount
工作电压 Working Voltage	DC10-24V
功率 Wattage	2.5W
有效流明 Effective Lumen/Power compared to standard bulb	206Lumen/30W
防护等级 Water-proofing and dust-proofing	IP:65
使用寿命 Life TEST FOR LED LAMP(1000 hours)	Lumen Maintenance Percentage > 90%
工作温度 Operation Temperature	-20°C ~ +45°C
认证 Certificate	UL CE ROHS TUV

光源为 Z 型附件，如外部电缆损坏，灯具将不可使用。

The light is for type " Z ".The external flexible cable or cord of this luminaire cannot be replaced;if the cord is damaged,the luminaire shell be destroyed

CXH-10B 双层航行信号灯

DOUBLE-DECK NAVIGATION SIGNAL LIGHT

适用范围

适用于长度为 50 米或 50 米以上各类船舶作夜航灯光信号联络。

The scope of application

Applied to the ships with the length 50m or above 50m as lamp signal liaison when night navigation.

产品特点

- 1、安装、更换灯泡方便，底部设有自动漏水孔；
- 2、外壳采用优质金属材料制成，外表面喷涂专用塑粉，具有耐腐蚀、抗冲击等特点；
- 3、灯罩采用 PC 制成，有抗紫外线不变色等特点。

Products characteristic

1. It is convenient to install and replace the bulb, and there are automatic leak holes in the bottom.
2. The shell adopts good quality metal material steel, the surface is painted the special mold-powder, has the feature of corrosion-resisting and shock resistance.
3. The lampshade adopts polycarbonate, it has the feature of ultraviolet radiation resistance and does not discolor ect.

采用标准

- 1、符合《1972 年国际海上避碰规则》和《钢质海船入级规范》；
- 2、符合国家标准船用电气号灯技术条件 GB/T3028-1995。

Adopt standard

1. Conform to 《THE INTERNATIONAL REGULATIONS FOR PREVENTINGS COLLISION AT SEA,1972 》 and 《GRADE ENTRY NORMS FOR STEEL SHIPS》 .
2. Conform to the standard of marine electric signal light's technical condition GB/T 3028-1995.

产品认证

经中国船级社 "CCS" 认证，认证编号 00515Q20619R0M。

Production authentication

Approval by CCS(China Classification Society), certificate number 00515Q20619R0M.

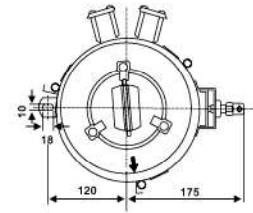
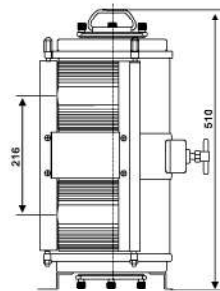
规格 Specifications

国际代码 International code	名称 Name	型号 Type	可见距离 Visibility	水平光弧 Level arc	灯座 Lamp holder	灯泡功率 Bulb	防护等级 Protection class	电缆外径 Cable outside diameter	颜色 Color	重量 Weight
370442	双层右舷灯 Double-deck starboard light	CXH1-10B	3n.m	112.5°	E27	24V/2×60W 60cd 110V/2×60W 60cd 220V/2×60W 60cd	IP55	Φ12-Φ16	绿 Green	8.0kg
370443	双层左舷灯 Double-deck port light	CXH2-10B	3n.m	112.5°					红 Red	8.0kg
370441	双层桅灯 Double-deck masthead light	CXH3-10B	6n.m	225°					明 Transparent	8.0kg
370444	双层艉灯 Double-deck stern light	CXH4-10B	3n.m	135°					明 黄 Transparent Yellow	8.0kg
370446 370447 370448	双层环照灯 Double-deck all-round light	CXH6-10B	3n.m	360°					红 绿 明 Red Green Transparent	8.0kg

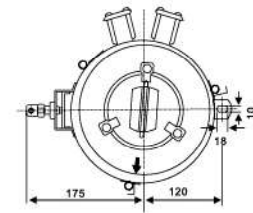
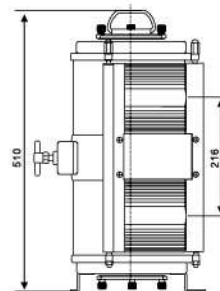
CXH-10B 双层航行信号灯

DOUBLE-DECK NAVIGATION SIGNAL LIGHT

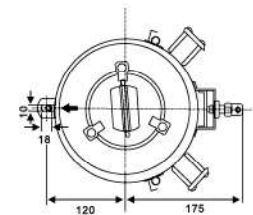
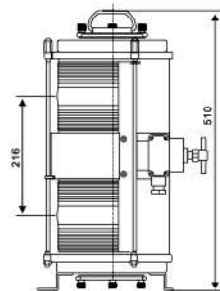
CXH1-10B 双层右舷灯
Double-deck starboard light



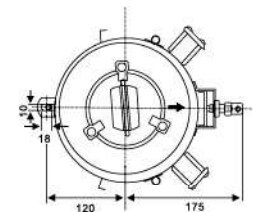
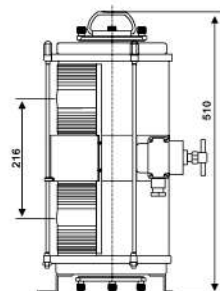
CXH2-10B 双层左舷灯
Double-deck port light



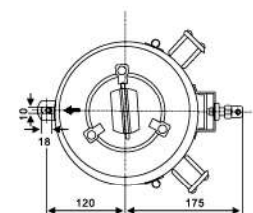
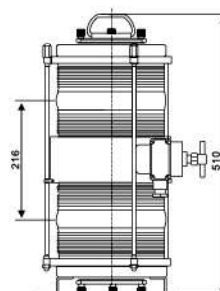
CXH3-10B 双层桅灯
Double-deck masthead light



CXH4-10B 双层艉灯
Double-deck stern light



CXH6-10B 双层环照灯
Double-deck all-round light



CXH-1D 单层航行信号灯

SINGLE-DECK NAVIGATION SIGNAL LIGHT

适用范围

适用于长度为 50 米或 50 米以上各类船舶作夜航灯光信号联络。

The scope of application

Applied to the ships with the length 50m or above 50m as lamp signal liaison when night navigation.

产品特点

- 1、安装、更换灯泡方便，底部设有自动漏水孔；
- 2、外壳采用优质金属材料制成，外表面喷涂专用塑粉，具有耐腐蚀、抗冲击等特点；
- 3、灯罩采用 PC 制成，有抗紫外线不变色等特点。

Products characteristic

1. It is convenient to install and replace the bulb, and there are automatic leak holes in the bottom.
2. The shell adopts good quality metal material steel, the surface is painted the special mold-powder, has the feature of corrosion-resisting and shock resistance.
3. The lampshade adopts polycarbonate, it has the feature of ultraviolet radiation resistance and does not discolor ect.

采用标准

- 1、符合《1972 年国际海上避碰规则》和《钢质海船入级规范》；
- 2、符合国家标准船用电气信号灯技术条件 GB/T3028-1995。

Adopt standard

1. Conform to 《THE INTERNATIONAL REGULATIONS FOR PREVENTINGS COLLISION AT SEA,1972 》 and 《GRADE ENTRY NORMS FOR STEEL SHIPS》 .
2. Conform to the standard of marine electric signal light's technical condition GB/T 3028-1995.

产品认证

经中国船级社 "CCS" 认证，认证编号 00515Q20619R0M。

Production authentication

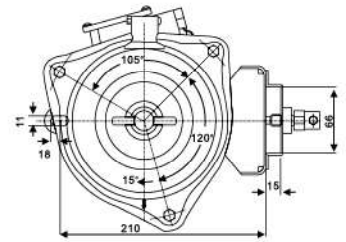
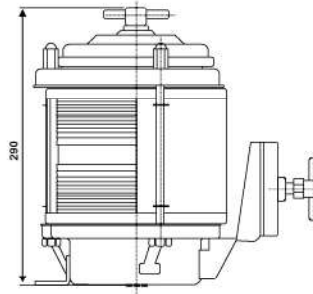
Approval by CCS(China Classification Society), certificate number 00515Q20619R0M.

规格 Specifications

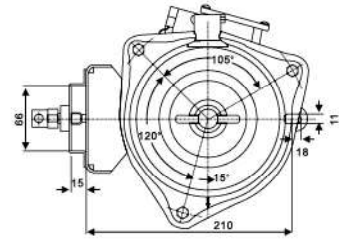
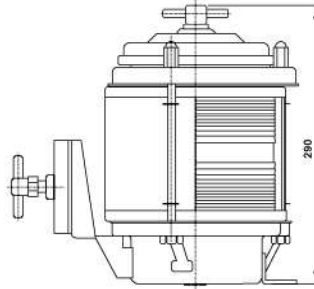
国际代码 International code	名称 Name	型号 Type	可见距离 Visibility	水平光弧 Level arc	灯座 Lamp holder	灯泡功率 Bulb	防护等级 Protection class	电缆外径 Cable outside diameter	颜色 Color	重量 Weight
370442	右舷灯 Starboard light	CXH1-1D	3n.m	112.5°	E27	24V 60W 110V 65W 220V 65W	IP55	Φ12-Φ16	绿 Green	5kg
370443	左舷灯 Port light	CXH2-1D	3n.m	112.5°					红 Red	5kg
370441	桅灯 Masthead light	CXH3-1D	6n.m	225°					明 Transparent	5kg
370444	艏灯 Stern light	CXH4-1D	3n.m	135°					明 黄 Transparent Yellow	5kg
370446 370447 370448	环照灯 All-round light	CXH6-1D	3n.m	360°					红 绿 明 Red Green Transparent	5kg

CXH-1D 单层航行信号灯
SINGLE-DECK NAVIGATION SIGNAL LIGHT

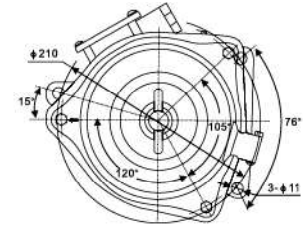
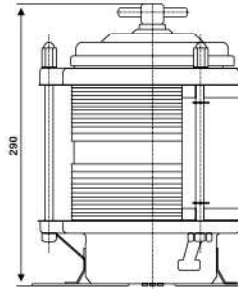
CXH1-1D 右舷灯
Starboard light



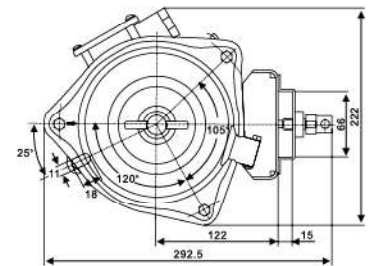
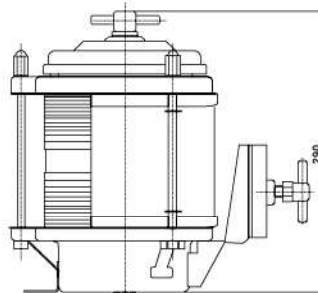
CXH2-1D 左舷灯
Port light



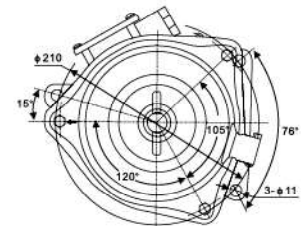
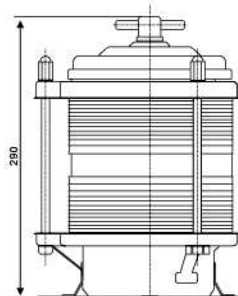
CXH3-1D 桅灯
Masthead light



CXH4-1D 艉灯
Stern light



CXH6-1D 环照灯
All-round light



CXH-2C 单层航行信号灯

SINGLE-DECK NAVIGATION SIGNAL LIGHT

适用范围

适用于长度为 12 米或 12 米以上 (<50 米) 各类船舶作夜航灯光信号联络作用。

产品特点

- 1、安装、更换灯泡方便，底部设有自动漏水孔；
- 2、外壳采用优质金属材料制成，外表面喷涂专用塑粉，具有耐腐蚀、抗冲击等特点；
- 3、灯罩采用 PC 制成，有抗紫外线不变色等特点。

采用标准

- 1、符合《1972 年国际海上避碰规则》和《钢质海船入级规范》；
- 2、符合国家标准船用电气信号灯技术条件 GB/T3028-1995。

产品认证

经中国船级社 "CCS" 认证，认证编号 00515Q20619R0M。

The scope of application

Applied to the ships with the length 12m or above 12m (< 50m) as lamp signal liaison when night navigation.

Products characteristic

1. It is convenient to install and replace the bulb, and there are automatic aleak holes in the bottom.
2. The shell adopts good quality metal material steel, the surface is painted the special mold-powder, has the feature of corrosion-resisting and shock resistance.
3. The lampshade adopts polycarbonate, it has the feature of ultraviolet radiation resistance and does not discolor ect.

Adopt standard

1. Conform to 《THE INTERNATIONAL REGULATIONS FOR PREVENTINGS COLLISION AT SEA,1972 》 and 《GRADE ENTRY NORMS FOR STEEL SHIPS》 .
2. Conform to the standard of marine electric signal light's technical condition GB/T 3028-1995.

Production authentication

Approval by CCS(China Classification Society), certificate number 00515Q20619R0M.

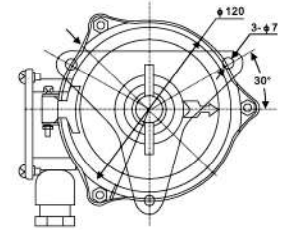
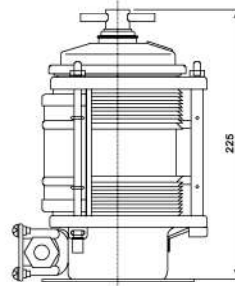
规格 Specifications

名称 Name	型号 Type	可见距离 Visibility	水平光弧 Level arc	灯座 Lamp holder	灯泡功率 Bulb	防护等级 Protection class	电缆外径 Cable outside diameter	颜色 Color	重量 Weight
右舷灯 Starboard light	CXH1-2C	2n.m	112.5°	B15d	24V 30W	IP55	Φ10-Φ12	绿 Green	1.44kg
左舷灯 Port light	CXH2-2C	2n.m	112.5°					红 Red	1.39kg
桅灯 Masthead light	CXH3-2C	5n.m	225°					明 Transparent	1.39kg
艉灯 Stern light	CXH4-2C	2n.m	135°					明黄 Transparent Yellow	1.42kg
环照灯 All-round light	CXH6-2C	2n.m	360°					红 绿 明 Red Green Transparent	1.26kg

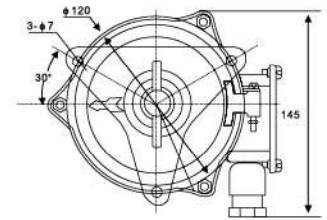
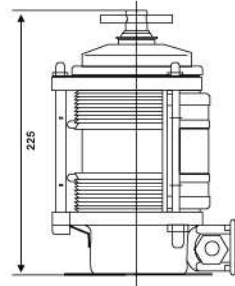
CXH-2C 单层航行信号灯

SINGLE-DECK NAVIGATION SIGNAL LIGHT

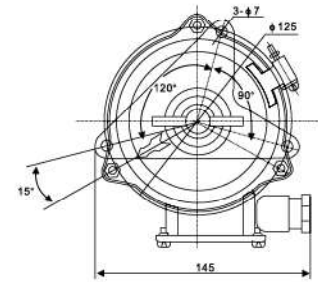
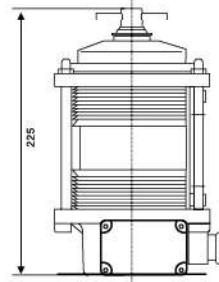
CXH1-2C 右舷灯
Starboard light



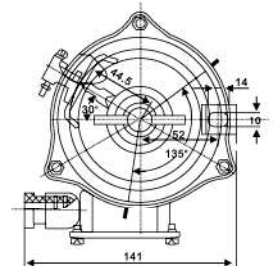
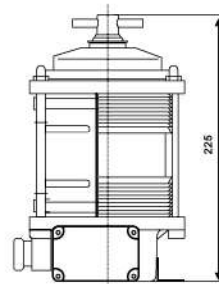
CXH2-2C 左舷灯
Port light



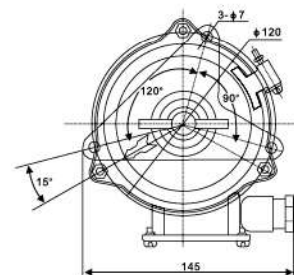
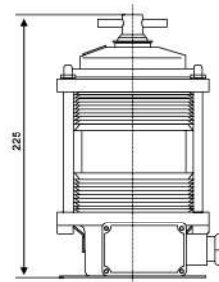
CXH3-2C 桅灯
Masthead light



CXH4-2C 艉灯
Stern light



CXH6-2C 环照灯
All-round light



CXH-3 单层航行信号灯

SINGLE-DECK NAVIGATION SIGNAL LIGHT

适用范围

适用于长度为 12 米以下的船舶作夜航灯光信号联络作用。

产品特点

- 1、安装、更换灯泡方便，底部设有自动漏水孔；
- 2、外壳采用优质金属材料制成，外表面喷涂专用塑粉，具有耐腐蚀、抗冲击等特点；
- 3、灯罩采用优质玻璃制成，透光性好。

采用标准

- 1、符合《1972 年国际海上避碰规则》和《钢质海船入级规范》；
- 2、符合国家标准船用电气号灯技术条件 GB/T3028-1995。

产品认证

经中国船级社 "CCS" 认证，认证编号 00515Q20619R0M。

The scope of application

Applied to the ships with the length less than 12m as lamp signal liaison when night navigation.

Products characteristic

1. It is convenient to install and replace the bulb, and there are automatic leak holes in the bottom.
2. The shell adopts good quality metal material steel, the surface is painted the special mold-powder, has the feature of corrosion-resisting and shock resistance.
3. The lampshade adopts good quality glass, and it has good function of illumination.

Adopt standard

1. Conform to 《THE INTERNATIONAL REGULATIONS FOR PREVENTINGS COLLISION AT SEA,1972 》 and 《GRADE ENTRY NORMS FOR STEEL SHIPS》 .
2. Conform to the standard of marine electric signal light's technical condition GB/T 3028-1995.

Production authentication

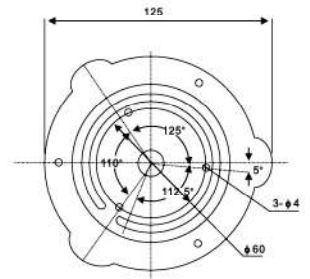
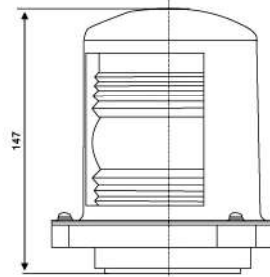
Approval by CCS(China Classification Society), certificate number 00515Q20619R0M.

规格 Specifications

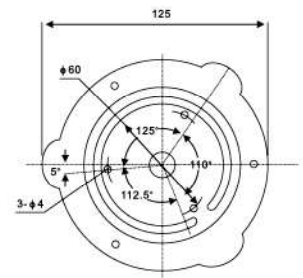
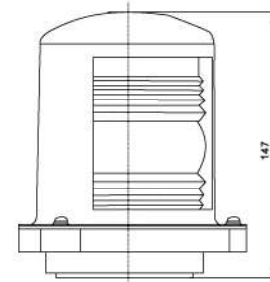
名称 Name	型号 Type	可见距离 Visibility	水平光弧 Level arc	灯座 Lamp holder	灯泡功率 Bulb	防护等级 Protection class	电缆外径 Cable outside diameter	颜色 Color	重量 Weight
右舷灯 Starboard light	CXH1-3	1n.m	112.5°	B15d	12V 25W 24V 25W	IP55	Φ14	绿 Green	0.80kg
左舷灯 Port light	CXH2-3	1n.m	112.5°					红 Red	0.79kg
桅灯 Masthead light	CXH3-3	2n.m	225°					明 Transparent	0.73kg
艉灯 Stern light	CXH4-3	2n.m	135°					明 黄 Transparent Yellow	0.77kg
环照灯 All-round light	CXH6-3	2n.m	360°					红 绿 明 Red Green Transparent	0.60kg

CXH-3 单层航行信号灯
SINGLE-DECK NAVIGATION SIGNAL LIGHT

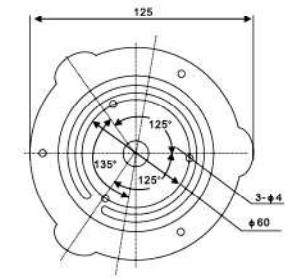
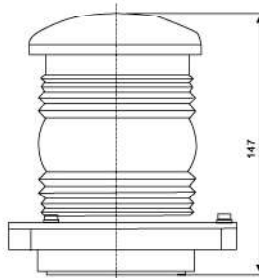
CXH1-3 右舷灯
Starboard light



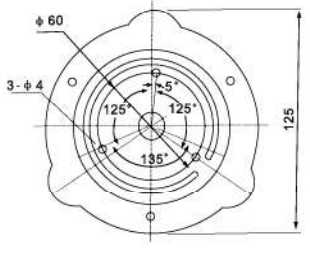
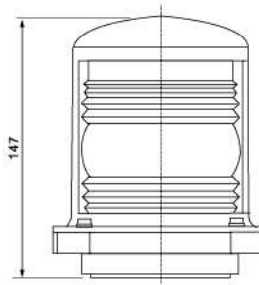
CXH2-3 左舷灯
Port light



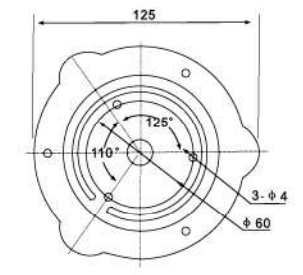
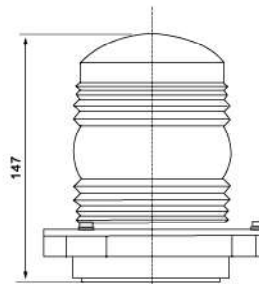
CXH3-3 桅灯
Masthead light



CXH4-3 艉灯
Stern light



CXH6-3 环照灯
All-round light



适用范围

适用于船舶作夜间航行灯光信号。

产品特点

- 1、螺纹式联接法兰，方便灯泡的安装及更换；
- 2、灯罩采用优质耐热玻璃制成，透光性好。

采用标准

- 1、符合《1972年国际海上避碰规则》和《钢质海船入级规范》；
- 2、符合国家标准船用电气信号灯技术条件 GB/T3028-1995。

产品认证

经中国船级社 "CCS" 认证，认证编号 00515Q20619R0M。

规格 Specifications

型号 Type	可见距离 Visibility	水平光弧 Level arc	灯座 Lamp holder	电压 Voltage	功率 Power	防护等级 Protection class	电缆外径 Cable outside diameter	颜色 Color	材质 Material	重量 Weight
CXH5-1	3n.m	360°	E27	24V 110V 220V	60W	IP56	Φ12	明 Transparent	铝 Aluminium	0.86kg
CXH5-1A								红 Red 绿 Green 黄 Yellow 蓝 Blue 紫 Purple		
CXH5-2	2n.m	360°	B15d	24V	30W	IP56	Φ15	明 Transparent	铝 Aluminium	0.47kg
CXH5-2A								红 Red 绿 Green 蓝 Blue		
CCD16	/	360°	E27	220V	60W	IP55	/	明 Transparent	铝 Aluminium	0.9kg

The scope of application

Applied to the ships as lamp signal when night navigation.

Products characteristic

1. Screw-type connecting flange, it is convenient to install and replace the bulb.
2. The lampshade adopts good quality pyrex glass, and it has good function of pervious to light.

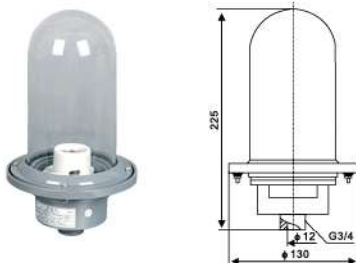
Adopt standard

1. Conform to 《THE INTERNATIONAL REGULATIONS FOR PREVENTINGS COLLISION AT SEA,1972 》 and 《GRADE ENTRY NORMS FOR STEEL SHIPS》 .
2. Conform to the standard of marine electric signal light's technical condition GB/T 3028-1995.

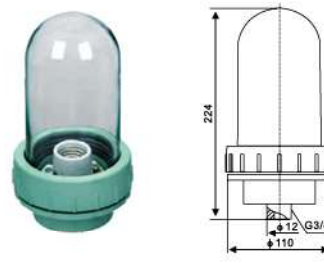
Production authentication

Approval by CCS(China Classification Society), certificate number 00515Q20619R0M.

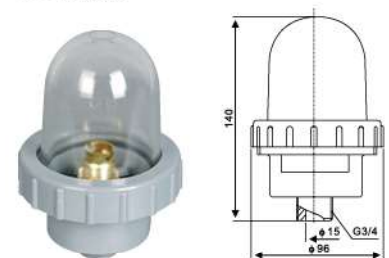
CXH5-1 桅顶灯
Head light



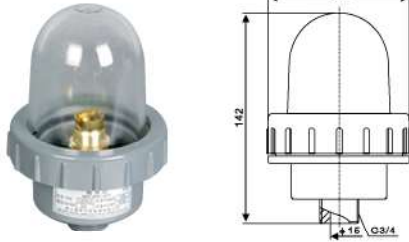
CXH5-1A 桅顶灯
Head light



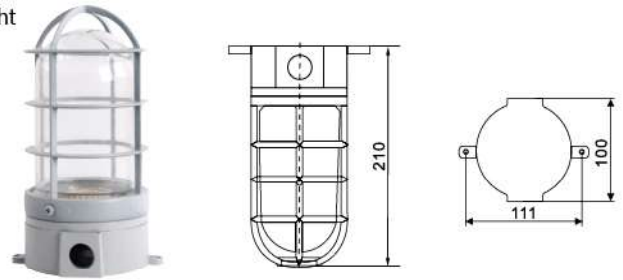
CXH5-2 桅顶灯
Head light



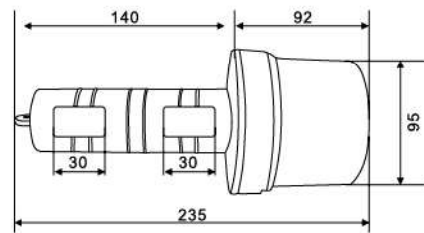
CXH5-2A 桅顶灯
Head light



CCD16 冷库灯
Cold storage light



LED SL-TA822 太阳能信号灯
SOLAR SIGNAL LIGHT



功能及技术性能

- 1、太阳能充电：本灯具利用太阳能光充电，白天自动充电，晚上自动工作，省去更换干电池或交流充电的麻烦。
- 2、环保节能：本灯具内置高效环保的镍氢电池，能循环充电使用 1000 次以上，节能环保。
- 3、自动光控开关：内置的光控功能使本灯具每天黄昏开始自动闪亮，直至黎明自动停熄，操作简单，使用方便。
- 4、高透雾性功能：本灯具比用普通灯泡的灯具，透雾性能高出三倍以上。
- 5、可见光距： ≥ 1200 米
- 6、工作电流：静态电流 < 5 毫安，工作电流 < 80 毫安。
- 7、工作电压：根据型号不同分为 1.2V、2.4V 3.6V 及 4.8V
- 7、发光时间： ≤ 1 秒。
- 8、闪光周期： ≤ 2 秒。
- 9、水密性能：水密优良，不泄水、不进水。

保养及使用须知

- 1、使用前请拧开灯具的透明灯头，取出里面的发光器，将位于发光器上的开关打开，再将发光器放进灯具里面，拧紧透明灯头。
 - 2、将灯具放于暗处，测试灯具是否自动闪亮，再将灯具放于阳光下，测试灯具是否自动停熄，测试正常后，就可开始使用。
 - 3、将灯具放于太阳能够直射的地方，它白天将吸收太阳能光充电，晚上将自动闪亮工作。
 - 4、如不使用灯具时，请将灯具发光器的开关关掉，不能放于暗处连续闪亮工作超过 24 小时以上，否则将影响灯具的寿命。
 - 5、如长期不使用灯具，请每隔一个月左右将灯具放于太阳光下照射充电一天，这能更好的延长灯具的使用寿命。
- 产品执行标准号：Q/YHDZ 2-2011

The function and technical performance

1. Solar charger: The lamp solar light charging, automatic charging during the day, night work automatically, eliminating the need to replace the batteries or AC charger.
2. Environmental protection and energy saving: The lamp built efficient and environmentally friendly NiMH batteries can be recycled more than 1000 times the charging, energy saving.
3. Automatic light control switch: Built-in light control function enables the lamps every evening to start automatic flash, automatic stop put out until dawn, simple, easy to use.
4. High performance of fog throughing: The lamp lighting compare with the ordinary light bulbs, more than three times higher performance through the fog.
5. Visible distance: ≥ 1200 meters
6. The working current: quiescent current < 5 mA, working current < 80 mA.
7. The working voltage: depending on the model into 1.2V, 2.4V 3.6V and 4.8V
8. The light-emitting time: ≤ 1 second.
9. Flash period: ≤ 2 seconds.
10. Watertight performance: excellent watertight.

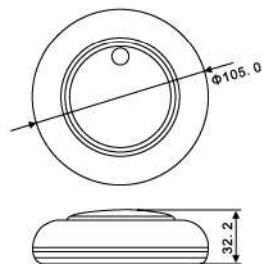
The maintenance and Instructions

1. Replace the lamp before using an open and transparent cap, take out the inside of the light-emitting device, open the switch that is located on the light-emitting device, then the light-emitting device into the lamp inside, tighten the transparent cap.
 2. Put the lamp in the dark, whether the test lamp automatically flashes, and then put in the sun lamps, luminaires automatically stop put to test whether, after the tests are normal, you can start using it.
 3. The lamp can be placed in direct sun where it will absorb solar energy during the day light to recharge at work will automatically flash.
 4. Without the use of lighting, set the switch to turn off the luminaire, we can not put in the dark flashes continuously work more than 24 hours, otherwise it will affect lamp life.
 5. Such as long-term use of lamps, luminaires please every month or so to put in the sunlight charging day, it can be better to extend lamp life.
- Product standard number: Q / YHDZ 2-2011



E012101 LED 天花板灯

E012101 Ceiling Light



产品参数

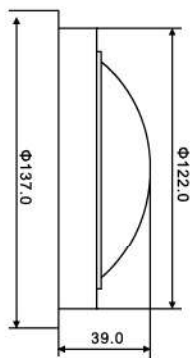
- 材质：塑料
- LED 类型：5Φ LED×16
- LED 寿命：50000 小时
- 光束角度：30°
- 色温：冷白 5500-6300K
- 有效流明：57.7LM
- 功率：1.15W
- 电压：DC 12V
- 尺寸：105.0 毫米 (DIA)
- 防水

Products Parameter

- Material: Plastic
- LED Type: 5Φ LED x 16
- LED Lifetime: 50000hrs
- Beam Angle: 30°
- Color Temperature: Cool white 5500-6300K
- Luminous Efficacy: 57.7LM
- Wattage: 1.15W
- Voltage: DC 12 V
- Size: 105.0mm(Dia.)
- Splashproof



E012024 LED 顶灯 E012024 LED Dome Light



产品参数

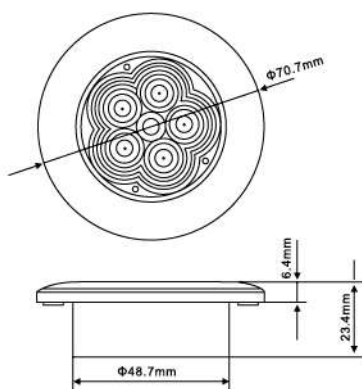
- LED 型号：20× "2835" 自然 0.2W 白光 LED
- LED 寿命：50000 小时
- 色温：4500K
- 有效流明：272LM
- 功率：3.7W
- 电压：DC 12V
- E012023：铜漆
- E012024：S.S.304

Products Parameter

- LED Type: 20 x "2835" 0.2W Nature white LED
- LED Lifetime: 50000hrs
- Color Temperature: 4500K
- Luminous Efficacy: 272LM
- Wattage: 3.7W
- Voltage: DC 12 V
- E012023: Brass lacquered, E012024: S.S.304



E012041 LED 天花板灯 E012041 LED Ceiling Light



产品参数

- LED 型号：20× "2835" 自然 0.2W 白光 LED
- LED 寿命：50000 小时
- 色温：4500K
- 有效流明：272LM
- 功率：3.7W
- 电压：DC 12V
- 塑料 E012041-E012045
- 不锈钢盖 E012043-E012046

Products Parameter

- For flush mount or surface mount
- Material: PC Trim ring
- LED Type: 6 x "2835" 0.2W LED
- LED Lifetime: 50000hrs
- Beam Angle: 120°
- Luminous Efficacy: White: 75LM; Blue: 20LM
- Wattage: 0.4W

适用范围

适用各类船舶作航行灯光信号或在抛锚、搁浅时作灯光信号之用。

The scope of application

Applied to the ships as for navigation lamp signal or use for anchor and take the ground as lamp signal.

产品特点

- 1、壳体采用优质冷轧板模压成型，灯罩采用优质玻璃模压成型；
- 2、壳体结构具有密封性能好，拆装方便。

Products characteristic

1. The shell is made of good quality steel, lampshade adopts good quality glass.
2. The shell structure has good seal performance, and it is convenient to install and remove.

采用标准

- 1、经中国船级社 "CCS" 认证，认证编号 00515Q20619R0M；
- 2、符合《1972 年国际海上避碰规则》和《钢质海船入级规范》；
- 3、符合国家标准船用电气号灯技术条件 GB/T3028-1995。

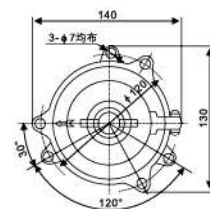
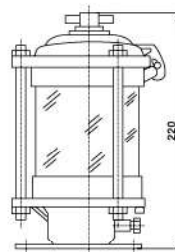
Adopt standard

1. Approval by CCS(China Classification Society), certificate number 00515Q20619R0M.
2. Conform to 《THE INTERNATIONAL REGULATIONS FOR PREVENTINGS COLLISION AT SEA, 1972》 and 《GRADE ENTRY NORMS FOR STEEL SHIPS》.
3. Conform to the standard of marine electric signal light's technical condition GB/T 3028-1995.

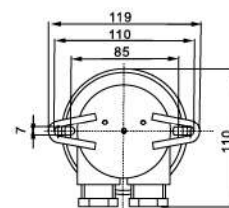
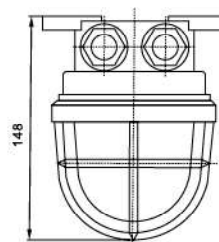
规格 Specifications

名称 Name	型号 Type	可见距离 Visibility	水平光弧 Level arc	灯座 Lamp holder	灯泡功率 Bulb	防护等级 Protection class	电缆外径 Cable outside diameter	材质 Material	颜色 Color	重量 Weight
锚灯 Anchor light	CXH8-1	3n.m	360°	E27	220V/40W 110V/40W	IP55	Φ10-Φ12	钢 Steel	明 Transparent	1.7kg
锚灯 Anchor light	CXH8-2	2n.m	360°	B15d	24V/15W 24V/30W			塑料 Plastic	明 Transparent	0.75kg

CXH8-1 锚灯
Anchor light

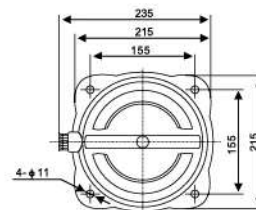
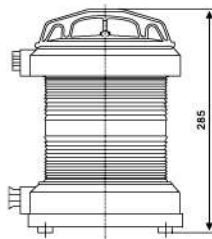


CXH8-2 锚灯
Anchor light





CXH14 闪光信号灯 FLASHING SIGNAL LIGHT



适用范围

适用于船舶作灯光信号用。

产品特点

1. 壳体采用高强度工程塑料 PA+GF 注塑成型，透光罩采用 PC 注塑成型，遮光板采用优质不锈钢模压成型。
2. 号灯具有整体密封结构，在恶劣环境下使用具有防水作用；
3. 号灯选用符合船舶规范的专用 LED 光源，更节能，使用寿命更长，拧开上盖即可更换灯泡；
4. 号灯在环境温度为 -30°C ~ 50°C 的范围能正常工作。

采用标准

1. 符合《1972 年国际海上避碰规则》和《钢质海船入级规范》；
2. 符合国际 IEC 规范；
3. 符合国家船用电气号灯技术条件 GB/T 3028-1995；
4. 经中国船级社 "CCS" 认证，认证编号 00515Q20619R0M。

主要技术参数

可见距离 :3n.m	水平光弧 : 360°	灯座 : E27
防护等级 : IP56	电压功率 : 220V30W	重量 : 3.2kg
频率 : 120~180/min	颜色 : 红、绿、白	电缆外径 : Φ12-Φ13

The scope of application

Applied to the ships as lamp signal when night navigation.

Products characteristic

1. The shell is made of high-strength engineering plastic PA+GF, the lampshade adopts injection of PC, lens hood adopts good quality stainless steel.
2. The signal lights have the whole seal structure, it is waterproof under the harsh environment.
3. The lamp adopts the special LED light source in accordance with the ship's specifications, which is more energy-saving and has a longer service life. The bulb can be replaced by unscrewing the upper cover.
4. The signal lights can work normally under the temperature -30°C ~ 50°C

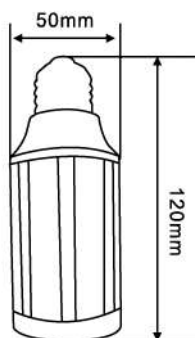
Adopt standard

1. Conform to THE INTERNATIONAL REGULATIONS FOR PREVENTING COLLISION AT SEA 1972 and GRADE ENTRY NORMS FOR STEEL SHIPS.
2. Conform to the international standard IEC.
3. Conform to the standard of manne electric signal light's technical condition GB/T 3028-1995.
4. Approval by CCS(China Classification Society), certificate number 00515Q20619R0M..

Main technical parameter

Visibility:3n.m	Level arc:360°	Lamp holder:E27
Protection class:IP56	Voltage power:220V30W	Weight:3.2kg
Frequency:120~180/min	Color : Red,Green,White	Cable outside diameter:Φ12-Φ13

闪光专用灯泡 SPECIFIED FLASHBULB

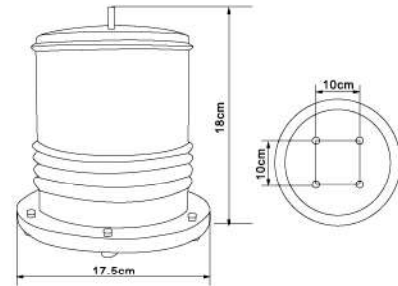


主要技术参数

灯座 : E27	功率 : 15W	颜色 : 白 / 绿 / 红 / 黄 / 蓝
频闪次数 : ~180/min	电压 : AC220V DC24V DC12V	材质 : 优质 PC 材质，导热绝缘灯体
色温 : 白光 : 6000K		

Main technical parameter

Lamp holder:E27	Power: 15W	Color: white / green / red / yellow / blue
Frequency: ~180/min	Voltage: AC220V DC24V DC12V	Color temperature: White light:6000K
Material: Quality PC material ,Thermal insulation lamp body		



主要技术参数

LED 功率：1.5W
 电池容量：(锂电池)4400mAh
 工作电压：3.7V 防护等级：IP65
 工作温度：-10°C ~50°C
 外壳材料：PC 太阳能板材：多晶硅
 光源：LDN
 闪光频率：每 2 秒闪 2 下，三个颜色交替闪烁。
 重量：1.25kg

产品特点

一次充电，3-5 天使用时间
 4400mAh 超大电池容量，确保电力续航
超远可见距离 0-3km
 高品质多晶硅，18 个 LED 光源，进口贴片灯珠
稳定感光功能
 无需人控制，夜晚自动亮，白天自动熄
密封防水，安全环保
 加厚密封垫，安全防水，太阳能充电，保护环境
高效率太阳能板
 机器层压太阳能板，面积大，效率高，排列紧密
超长寿命 LED
 节能 LED，寿命长达 5 万小时，超低耗电。视觉清晰。
防水开关
 开关防水设计，不用的时候关掉，延长寿命。

Main technical parameter

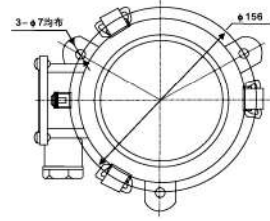
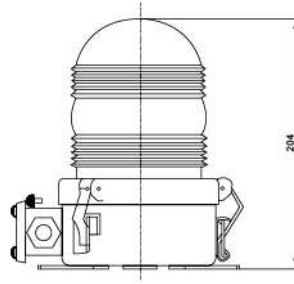
LED Power : 1.5W
 AH (lithium battery):4400 mAh
 Working Voltage : 3.7V Protection Class : IP65
 Working Temperature : -10°C ~50°C
 Material of the shell : PC
 Solar Panel: Polycrystalline silicon
 Illuminant : LDN
 Flash rate : flash 2 times every 2 seconds ,
 flashing in 3 colors
 Weight: 1.25kg

Products characteristic

Once charge , using 3 to 5 days
 Large battery capacity of 4400mAh , ensure the power life.
An extreme visibility 0~3 km
 High quality polysilicon , 18 LED light source , import SMD lamp beads.
Stable photographic function
 Automatic light at night , off during the day , automatic night light , automatic out during the day.
Sealed waterproof , safety and environmental protection
 Thickening gasket , safety and waterproof , solar charger , environmental protection .
Ultra-long life LED
 Energy saving LED , life 50000 hours , low consumption , clear vision .
Water-proof switch
 Waterproof design for the switch , turn off when not in use , prolong life .

CXH17 信号灯

SIGNAL LIGHT



适用范围

适用于长度为 50 米或 50 米以上的船舶作夜间航行灯光信号。

产品特点

- 1、壳体采用优质不锈钢冲压成形，优质玻璃灯罩；
- 2、搭扣式压紧结构，拆装更换灯泡方便，防水性能好。

采用标准 经中国船级社 "CCS" 认证，认证编号 00515Q20619R0M。

规格 Specifications

型号 Type	灯座 Lamp holder	电压 Voltage	功率 Power	可见距离 Visibility	颜色 Color	电缆外径 Cable outside diameter	防护等级 Protection class	材质 Material	重量 Weight
CXH17	B22d	24V	60W	> 3n.m	明 Transparent 红 Red 绿 Green 黄 Yellow 紫 Purple	Φ14-Φ16	IP56	钢质 Steel	1.83kg
		110V/220V	65W						

The scope of application

Applied to ships with the length 50m or above 50m as lamp signal when night navigation.

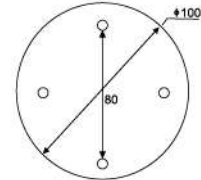
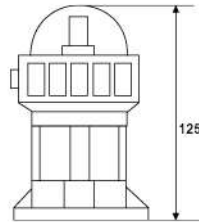
Products characteristic

1. The shell adopts good quality stainless steel, good quality glass lampshade.
2. Agraffe-type impacted structure, it is convenient to install and remove, replace the bulb, has fine water-proof function.

Adopt standard Approval by CCS(China Classification Society), certificate number 00515Q20619R0M.

BSW9812 频闪灯

STROBE LIGHT



适用范围

适用于长度为 12 米到 50 米的各类船舶作夜间航行灯光信号联络作用。

产品特点

- 1、壳体采用塑料注塑成型，灯罩是优质 PC 材料；
- 2、螺旋式压紧结构，拆装更换方便，防水性能好。

采用标准 经中国船级社 "CCS" 认证编号 00515Q20619R0M。

规格 Specifications

型号 Type	灯座 Lamp holder	电压 Voltage	功率 Power	可见距离 Visibility	颜色 Color	电缆外径 Cable outside diameter	防护等级 Protection class	材质 Material	重量 Weight
BSW9812	/	12V	13W	1n.m	明 Transparent	Φ6-Φ7	IP56	塑料 Plastic	0.35kg

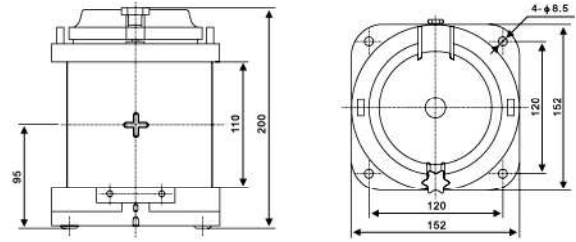
The scope of application

Applied to ships with the length 12m to 50m as lamp signal liaison when night navigation.

Products characteristic

1. The injection molding shell and lampshade are made of good quality PC;
2. Screw clamping structure with wonderful waterproof performance, which is easy for bulb replacement.

Adopt standard Approval by CCS(China Classification Society), certificate number 00515Q20619R0M.



适用范围

适用于在船舶航行过程中确认船首方向,适合特定运河的规定信号识别。

The scope of application :

Applied to confirm the bow direction on voyage, and is suitable for regulation signal recognition in particular canal.

产品特性

1. 壳体采用高强度工程塑料 PA+GF, 透光罩采用 PC 注塑成型, 遮光板采用优质不锈钢模压成型;
2. "+" 字型透光孔, 使光束更集中;
3. 号灯具有整体密封结构, 在恶劣环境下使用具有防水作用;
4. 号灯灯座与底座的连接采用插拔式, 打开上盖即可更换灯泡;
5. 号灯在环境温度为 $-30^{\circ}\text{C} \sim 55^{\circ}\text{C}$ 的范围内能正常工作。

Products characteristics :

1. The shell is made of high-strength engineering plastic PA+GF, the lampshade adopts injection of PC, lens hood adopts good quality stainless steel.
2. Light hole of "+" type to make the light more focused.
3. The signal light has the whole seal structure, it is waterproof under harsh environment.
4. Plug type is used to connect the lamp holder and the base, in which way it can replace the bulb when open the top cover.
5. The signal light can work normally under the temperature of $-30^{\circ}\text{C} \sim 55^{\circ}\text{C}$.

采用标准

1. 符合《1972 年国际海上避碰规则》和《钢制海船入级规范》。
2. 符合 GB/T3028《船用电气号灯》和《巴拿马运河对船舶要求》。

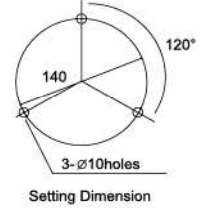
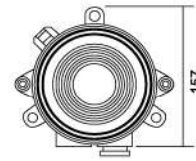
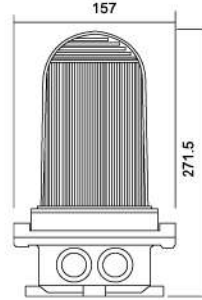
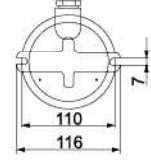
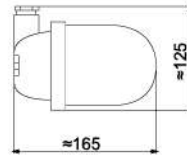
Adopt standard:

1. Conform to "The international regulations for prevention collision at sea, 1972" and "Grage entry for steel ships".
2. Conform to GB/T3028 "Marine electric signal lights" and "The request that Panama Canal asks for ships".

名称 Name	操舵灯 Steering light
型号 Type	CXH7-21P
电压 Voltage/ 功率 Power	24V-220V/30W
灯座 Lamp holder	BAY15D
材质 Material	塑料 Plastic
防护等级 Protection class	IP56
重量 Weight	1.2kg
灯光颜色 Color of light	蓝 Blue
可见距离 Visibility	1n.m
水平光角 Level arc	-
颜色 Color	-

CXH19 /CXH19-S 信号灯

SIGNAL LIGHT



适用范围

适用于作船舶夜间航行灯光信号

产品特性

灯罩与底座采用螺纹连接，灯泡更换便捷；灯具采用棱镜 PC 灯罩，光线柔和，发光强度高；灯具采用符合船舶规范的船用信号灯灯泡，平均寿命不低于 700 小时；环境温度在 -30℃ ~ +50℃ 的范围内，灯具均能正常工作。电缆外径 Φ11mm。

采用标准

符合《1972 年国际海上避碰规则》；符合国家 GB/T3028-2012 标准；符合《钢质海船入级规范》。

The scope of application :

Applied to ships as lamp signal when night navigation .

Products characteristics :

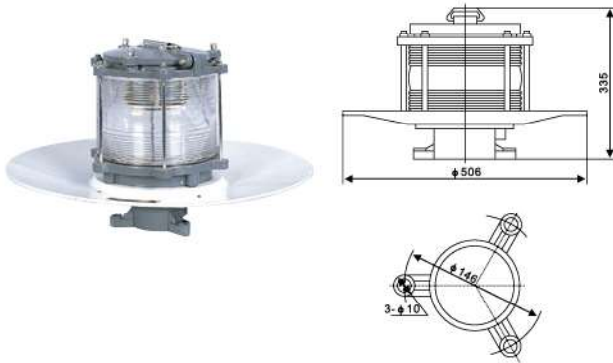
Lampshade and base with threaded connections , it is convenient to replace the bulb . The lamps adopt prism PC lampshade . Soft light , high luminous intensity . The signal lights adopt the signal light's bulb which conform to the ship norm and the average life not less than 700 hours . The signal lights can work normally under the temperature -30℃ ~+50℃ . Cable outside diameter Φ11mm .

Adopt standard:

Conform to INTERNATION REGULATIONS FOR PREVENTING COLLISIONS AT SEA 1972 . Conform to national standard of GB/ T3028-2012 . Conform to RULES FOR CLASSIFICATION OF SEA-GOING STEEL SHIPS .

名称 Name	信号灯 Signal light	
型号 Type	CXH19	CXH19-S
电压 Voltage/ 功率 Power	220V/60W	
灯座 Lamp holder	E27	
材质 Material	铜 Copper	塑料 Plastic
防护等级 Protection class	IP56	
重量 Weight	0.8kg	1.22kg
灯光颜色 Color of light	-	
可见距离 Visibility	-	
水平光角 Level arc	360°	
颜色 Color	明、红、绿、黄、紫 Transparent, red, green, yellow, purple	

国际代码 International Code:792121



适用范围

适用于各类船舶作莫氏信号灯光通讯识别之用。

主要技术参数

- ◆ 可见距离: >5n.m
- ◆ 水平光角: 360°
- ◆ 灯座: B22d
- ◆ 电压及功率: 220V/3×25W、110V/3×25W
- ◆ 透镜颜色: 透明
- ◆ 防护等级: IP56
- ◆ 重量: 9.4kg
- ◆ 电缆外径: Φ14-Φ16

产品特点

- 1、壳体采用优质铸铝或铸铜(材料为铜的型号为CXD7-B)横压成型,灯罩采用PC注塑成型,结构坚固;
- 2、灯具采用密封结构,防水性能良好;
- 3、配置专用船舶信号灯泡,灯泡另配。

产品认证

- 1、经中国船级社"CCS"认证,认证编号00515Q20619R0M;
- 2、符合《1972年国际海上避碰规则》和《钢质海船入级规范》;

The scope of application

Applied to identification of the morse signal light communication of ships.

Main technical parameter

- ◆ Visibility: > 5n.m
- ◆ Horizontal optical angle: 360°
- ◆ Lamp holder: B22d
- ◆ Voltage/Power: 220V/3x25W 110V/3x25W
- ◆ Lens color: Transparent
- ◆ Protection class: IP56
- ◆ Weight: 9.4kg
- ◆ Cable outside diameter: Φ14- Φ16

Products characteristic

1. The shell is made of good quality cast aluminum or cast brass (type of CXD7-B), lampshade adopts injection of PC, the structure is firm.
2. The lamp adopts the seal structure, and has fine waterproof.
3. Equipped the special ship signal bulb.

Production authentication

1. Approval by CCS(China Classification Society), certificate number 00515Q20619R0M..
2. Conform to 《THE INTERNATIONAL REGULATIONS FOR PREVENTING COLLISION AT SEA, 1972》 and 《GRADE ENTRY NORMS FOR STEEL SHIPS》.

适用范围

适用于船舶驾驶室海图桌前照明。

主要技术参数

- ◆ 功率: ≤ 100W
- ◆ 电压: 220V
- ◆ 灯座: E27
- ◆ 光源: 白炽灯
- ◆ 防护等级: IP20
- ◆ 重量: 2.83kg
- ◆ 电缆外径: Φ8

产品特点

- 1、壳体采用优质钢板横压成型;
- 2、墙壁式安装,灯具可上下、左右、前后任意调节,配有调光器,可作无级调光。

产品认证

- 1、符合《钢质海船入级规范》;
- 2、经中国船级社"CCS"认证,认证编号00515Q20619R0M.

The scope of application

Used to light on the chart desk in steering room.

Main technical parameter

- ◆ Power: ≤100W
- ◆ Voltage: 220V
- ◆ Lamp holder: E27
- ◆ Illuminant: Incandescent lamp
- ◆ Protection class: IP20
- ◆ Weight: 2.83kg
- ◆ Cable outside diameter: Φ 8

Products characteristic

1. The shell adopts good quality steel.
2. Wall-type mounting, the light can mobile upside down, left and right, fore and back, equipped with dimmer, can control steplessly.

Production authentication

1. Conform to 《GRADE ENTRY NORMS FOR STEEL SHIPS》.
2. Approval by CCS(China Classification Society), certificate number 00515Q20619R0M..

CXD8 白昼信号灯

DAYLIGHT SIGNAL LIGHT

国际代码 International Code: CXD8 330641 CXD8-CDX 330646 CXD8-XDX 330647



适用范围

适用于各类船舶之间白昼信号联络之用。

主要技术参数

- ◆ 电压及功率：24V/60W
- ◆ 光柱角：6°
- ◆ 望远镜视角：3°
- ◆ 灯座：G6.35
- ◆ 防护等级：IP44
- ◆ 电缆外径：Φ9.5
- ◆ 光强：60,000cd
- ◆ 望远镜倍率：4
- ◆ 可见距离：2n . m
- ◆ 插头：四插 25M-4A
- ◆ 重量：5.28kg

产品特点

- 1、壳体采用优质铸铝模压成型，机械闪光装置；
- 2、重量轻，操作及携带方便。

采用标准

- 1、经中国船级社“CCS”认证，认证编号 00515Q20619R0M。
- 2、符合《MS.C.95(72) 决议》和 JISF8456-1996。
- 3、专利号：ZL 2014 3 0497341.5。
- 4、经美国船级社“ABS”认证，认证编号 18-SQ1799333-PDA

控制器 CXD8-CDX

- ◆ 输入：AC110V/60Hz、AC220V/50Hz/60Hz
- ◆ 输出：DC24V、DC12V
- ◆ 容量：7Ah
- ◆ 使用温度：-25°C ~45°C
- ◆ 插座：四插 25M-4B 三插 25M-3B
- ◆ 防护等级：IP20
- ◆ 重量：2.53kg
- ◆ 定货时请注明电压和频率

The scope of application

Applied to daylight signal communication between the ships.

Main technical parameter

- ◆ Voltage/Power: 24V/60W
- ◆ Light pillar angle: 6°
- ◆ Telescope visual angle: 3°
- ◆ Lamp holder: G6.35
- ◆ Protection class: IP44
- ◆ Cable outside diameter: Φ9.5
- ◆ Light intensity: 60,000cd
- ◆ Telescope magnification: 4
- ◆ Visibility: 2n.m
- ◆ Plug: Four pin 25M-4A
- ◆ Weight: 5.28kg

Products characteristic

1. With good quality cast aluminum shell and mechanical flash device.
2. Light, convenient to operate and bring.

Production authentication

1. Approval by CCS(China Classification Society), certificate number 00515Q20619R0M..
2. Conform to 《MS.C.95(72) DECISION》 and JISF8456-1996.
3. Patent No.:ZL 2014 3 0497341.5.
4. By the American Bureau of Shipping "ABS" certification, certificate number 18-SQ1799333-PDA

Controller CXD8-CDX

- ◆ Input: AC110V/60Hz、AC220V/50Hz/60Hz
- ◆ Output: DC24V,DC12V
- ◆ Capacity: 7Ah
- ◆ Temperature: -25°C ~45°C
- ◆ Socket: Four pin 25M-4B Three pin 25M-3B
- ◆ Protection class: IP20
- ◆ Weight: 2.53kg
- ◆ Mark the voltage and frequency when order



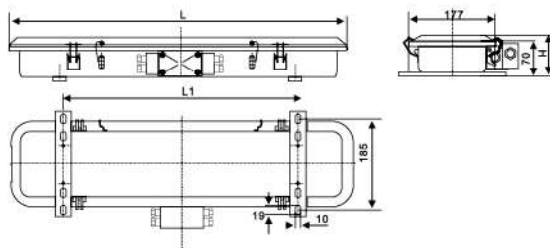
Cuttlefish
TECHNOLOGY

船用荧光灯具系列

THE SERIES OF MARINE FLUORESCENT LIGHTS



国际代码 International Code:791951-791952



型号 Type	L	L1	H
JCY23-2L	692	480	80

适用范围

适用于各类船舶有滴水、溅水和凝水的场所照明之用，如机炉舱、干货舱、轴隧、管弄、露天甲板等。

产品特点

- 1、壳体采用优质钢板拉伸成型，灯罩采用 PC 注塑成型，密封性能良好；
- 2、为防止触电，灯具内装有带⚡️标记的铜质接线柱；
- 3、插脚式灯座，内置接线端子，接线方便；
- 4、灯具配有 LED 24V 应急光源，其灯罩的边缘标有⚡️标志，订货时请注明需应急装置；
- 5、灯具内部配置补偿电容，启动效果好。
- 6、接线盒改进为双通道接线方式，设计更人性化。

采用标准

符合 CB/T3857-1999 标准。

产品认证

经中国船级社 "CCS" 认证，认证编号 00515Q20619R0M。

规格 Specifications

型号 Type	功率 Power	电压 Voltage	功率因数 Power factor	电缆外径 Cable outside diameter	防护等级 Protection class	重量 Weight	材质 Material
JCY23-2L	36W	85~265V	>0.85	Φ12-Φ16	IP56	4kg	钢 Steel

The scope of application

Applied to illumination of water dripping, water spattering, water coagulating place in ships, such as oven cabin, dry cabin, tunnel, pipeline, weather deck and etc.

Products characteristic

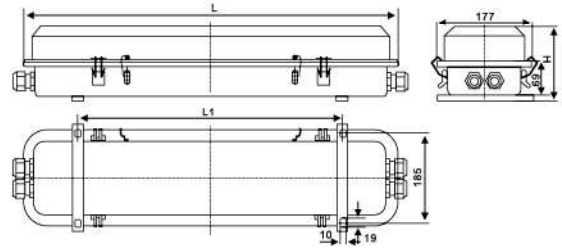
1. The shell adopts good quality stretch-formed steel plate, lampshade is injection molded by PC, and has the seal structure.
2. In order to prevent from electric shocking, equipped with a copper earthing rod with the mark ⚡️ in the lights.
3. Plug-in type lamp holder, equipped wiring terminal inside, convenient to connect.
4. There is ⚡️ mark on th edge of lampshade, remark clear that need the emergency device when order.
5. Equipped with compensating capacitance inside, start rapidly.
6. The junction box is improved to double-channel connection mode, the design is more user-friendly.

Adopt standard

Conform to CB/T3857-1999 standard.

Production authentication

Approval by CCS(China Classification Society), certificate number 00515Q20619R0M.



型号 Type	L	L1	H
JCY22-2	692	480	134
JCY22-2E			134
JCY22-2EF			155
JCY32-2	992	700	134
JCY32-2E			134
JCY32-2EF			155
JCY42-2	1299	700	134
JCY42-2E			134
JCY42-2EF			155

适用范围

适用于各类船舶有滴水、溅水和凝水的场所照明之用，如机炉舱、干货舱、轴隧、管弄、露天甲板等。

产品特点

- 1、壳体采用优质钢板拉伸成型，灯罩采用 PC 注塑成型，密封性能良好；
- 2、为防止触电，灯具内装有带Ⓢ标记的铜质接线柱；
- 3、插脚式灯座，内置接线端子，接线方便；
- 4、灯具可配有 B15d 灯座，用于 24V/15W 应急灯泡照明，其灯罩的边缘标有Ⓢ标志，订货时请注明需应急装置；
- 5、灯具内部配置补偿电容，启动效果好等特点。

采用标准

符合 CB/T3857-1999 标准。

产品认证

经中国船级社 "CCS" 认证，认证编号 00515Q20619R0M。

规格 Specifications

型号 Type	功率 Power	电压 Voltage	功率因数 Power factor	灯座 Lamp holder	电缆外径 Cable outside diameter	防护等级 Protection class	重量 Weight	材质 Material
JCY22-2	2×20W	110V/60Hz 220V/50Hz 220V/60Hz	>0.85	G13	Φ12-Φ16	IP56	4.2kg	-
JCY22-2E							4.2kg	带应急 With emergency
JCY22-2EF							4.71kg	带应急和网罩 With emergency and guard
JCY32-2	2×30W						9.0kg	-
JCY32-2E							9.0kg	带应急 With emergency
JCY32-2EF							9.0kg	带应急和网罩 With emergency and guard
JCY42-2	2×40W						7.5kg	-
JCY42-2E							7.5kg	带应急 With emergency
JCY42-2EF							8.95kg	带应急和网罩 With emergency and guard

The scope of application

Applied to illumination of water dripping, water spattering, water coagulating place in ships, such as oven cabin, dry cabin, tunnel, pipeline, weather deck and etc.

Products characteristic

1. The shell adopts good quality stretch-formed steel plate, lampshade is injection molded by PC, and has the seal structure.
2. In order to prevent from electric shocking, equipped with a copper earthing rod with the mark Ⓢ in the lights.
3. Plug-in type lamp holder, equipped wiring terminal inside, convenient to connect.
4. The lamp equipped B15d lamp holder, used for 24V/15W emergency bulb, there is Ⓢ mark on th edge of lampshade, remark clear that need the emergency device when order.
5. Equipped with compensating capacitance inside, start rapidly.

Adopt standard

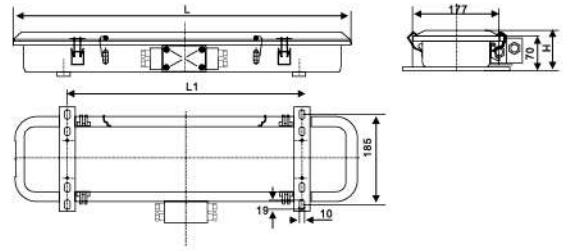
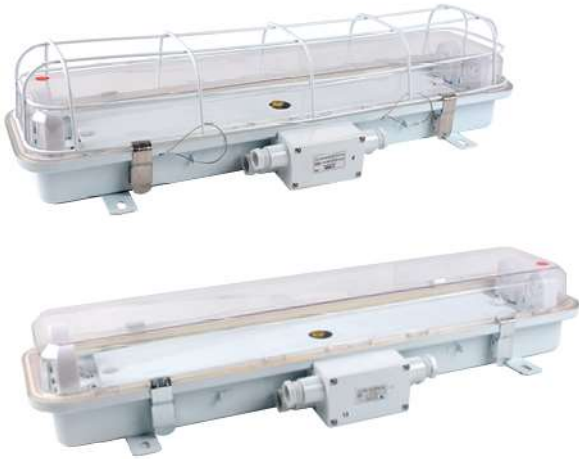
Conform to CB/T3857-1999 standard.

Production authentication

Approval by CCS(China Classification Society), certificate number 00515Q20619R0M.

荧光舱顶灯

FLUORESCENT PENDANT LIGHT



型号 Type	L	L1	H
JCY23-2	692	480	134
JCY23-2E			134
JCY23-2EF			155
JCY33-2	992	700	134
JCY33-2E			134
JCY33-2EF			155
JCY43-2	1299	700	134
JCY43-2E			134
JCY43-2EF			155

适用范围

适用于各类船舶有滴水、溅水和凝水的场所照明之用，如机炉舱、干货舱、轴隧、管弄、露天甲板等。

产品特点

- 1、壳体采用优质钢板拉伸成型，灯罩采用 PC 注塑成型，密封性能良好；
- 2、为防止触电，灯具内装有带⚡️标记的铜质接线柱；
- 3、插脚式灯座，内置接线端子，接线方便；
- 4、灯具可配有 B15d 灯座，用于 24V/15W 应急灯泡照明，其灯罩的边缘标有⚡️标志，订货时请注明需应急装置；
- 5、灯具内部配置补偿电容，启动效果好。
- 6、接线盒改进为双通道接线方式，设计更人性化。

采用标准

符合 CB/T3857-1999 标准。

产品认证

经中国船级社 "CCS" 认证，认证编号 00515Q20619R0M。

规格 Specifications

国际代码 International Code	型号 Type	功率 Power	电压 Voltage	功率因数 Power factor	灯座 Lamp holder	电缆外径 Cable outside diameter	防护等级 Protection class	重量 Weight	材质 Material
791861 791913	JCY23-2	2×20W	110V/60Hz 220V/50Hz 220V/60Hz	>0.85	G13	Φ12-Φ16	IP56	5.35kg	-
	JCY23-2E							5.35kg	带应急 With emergency
	JCY23-2EF							5.5kg	带应急和网罩 With emergency and guard
	JCY33-2	2×30W						9.0kg	-
	JCY33-2E							9.0kg	带应急 With emergency
	JCY33-2EF							9.0kg	带应急和网罩 With emergency and guard
	JCY43-2	2×40W						8.95kg	-
	JCY43-2E							8.95kg	带应急 With emergency
	JCY43-2EF							8.95kg	带应急和网罩 With emergency and guard

The scope of application

Applied to illumination of water dripping, water spattering, water coagulating place in ships, such as oven cabin, dry cabin, tunnel, pipeline, weather deck and etc.

Products characteristic

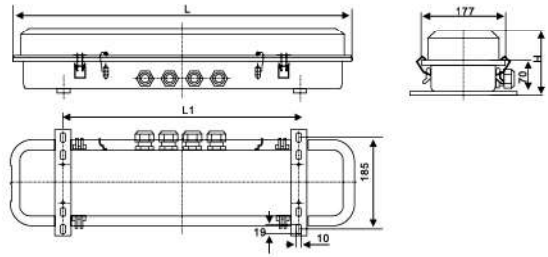
1. The shell adopts good quality stretch-formed steel plate, lampshade is injection molded by PC, and has the seal structure.
2. In order to prevent from electric shocking, equipped with a copper earthing rod with the mark ⚡️ in the lights.
3. Plug-in type lamp holder, equipped wiring terminal inside, convenient to connect.
4. The lamp equipped B15d lamp holder, used for 24V/15W emergency bulb, there is ⚡️ mark on th edge of lampshade, remark clear that need the emergency device when order.
5. Equipped with compensating capacitance inside, start rapidly.
6. The junction box is improved to double-channel connection mode, the design is more user-friendly.

Adopt standard

Conform to CB/T3857-1999 standard.

Production authentication

Approval by CCS(China Classification Society), certificate number 00515Q20619R0M.



型号 Type	L	L1	H
JCY24-2	692	480	134
JCY24-2E			134
JCY24-2EF			155
JCY34-2	992	700	134
JCY34-2E			134
JCY34-2EF			155
JCY44-2	1299	700	134
JCY44-2E			134
JCY44-2EF			155

适用范围

适用于各类船舶有滴水、溅水和凝水的场所照明之用，如机炉舱、干货舱、轴隧、管弄、露天甲板等。

产品特点

- 1、壳体采用优质钢板拉伸成型，灯罩采用 PC 注塑成型，密封性能良好；
- 2、为防止触电，灯具内装有带⚡️标记的铜质接线柱；
- 3、插脚式灯座，内置接线端子，接线方便；
- 4、灯具可配有 B15d 灯座，用于 24V/15W 应急灯泡照明，其灯罩的边缘标有⚡️标志，订货时请注明需应急装置；
- 5、灯具内部配置补偿电容，启动效果好等特点。

采用标准

符合 CB/T3857-1999 标准。

产品认证

经中国船级社 "CCS" 认证，认证编号 00515Q20619R0M。

规格 Specifications

型号 Type	功率 Power	电压 Voltage	功率因数 Power factor	灯座 Lamp holder	电缆外径 Cable outside diameter	防护等级 Protection class	重量 Weight	材质 Material
JCY24-2	2×20W	110V/60Hz 220V/50Hz 220V/60Hz	>0.85	G13	Φ12-Φ16	IP56	4.02kg	-
JCY24-2E							4.02kg	带应急 With emergency
JCY24-2EF							7.2kg	带应急和网罩 With emergency and guard
JCY34-2	2×30W						7.0kg	-
JCY34-2E							7.0kg	带应急 With emergency
JCY34-2EF							7.0kg	带应急和网罩 With emergency and guard
JCY44-2	2×40W						7.24kg	-
JCY44-2E							7.24kg	带应急 With emergency
JCY44-2EF							9.12kg	带应急和网罩 With emergency and guard

The scope of application

Applied to illumination of water dripping, water spattering, water coagulating place in ships, such as oven cabin, dry cabin, tunnel, pipeline, weather deck and etc.

Products characteristic

1. The shell adopts good quality stretch-formed steel plate, lampshade is injection molded by PC, and has the seal structure.
2. In order to prevent from electric shocking, equipped with a copper earthing rod with the mark ⚡️ in the lights.
3. Plug-in type lamp holder, equipped wiring terminal inside, convenient to connect.
4. The lamp equipped B15d lamp holder, used for 24V/15W emergency bulb, there is ⚡️ mark on th edge of lampshade, remark clear that need the emergency device when order.
5. Equipped with compensating capacitance inside, start rapidly.

Adopt standard

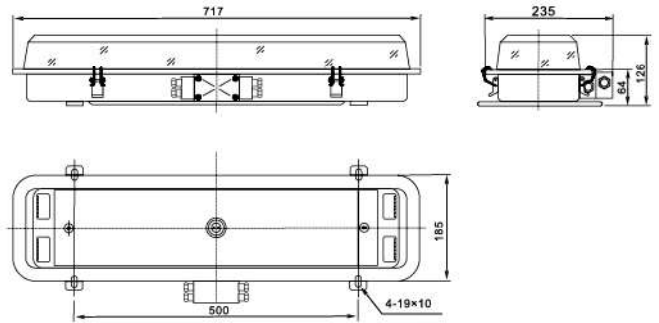
Conform to CB/T3857-1999 standard.

Production authentication

Approval by CCS(China Classification Society), certificate number 00515Q20619R0M.

荧光舱顶灯



FLUORESCENT PENDANT LIGHT



适用范围

- 1、适用于各类船舶有滴水、溅水和凝水的场所照明之用，如机炉舱、干货舱、轴隧、管弄、露天甲板等场所作照明之用；
- 2、工作环境温度为 $-20^{\circ}\text{C} \sim +55^{\circ}\text{C}$ 。

产品特点

- 1、壳体采用优质钢板拉伸成型，灯罩采用 PC 注塑成型，密封性能良好；
- 2、为防止触电，灯具内装有带  标记的铜质接线柱；
- 3、插脚式灯座，内置接线端子，接线方便；
- 4、灯具具有应急装置，配有 B15d 灯座，用于 24V/15W 应急灯泡照明，其灯罩的边缘标有  标志，订货时请注明需应急装置；
- 5、灯具内部配置补偿电容，启动效果好等特点。
- 6、6 接线盒改进为双通道接线方式，设计更人性化。

采用标准

符合 JISF8008-2002 标准与《钢质海船入级规范》。

产品认证

经中国船级社 "CCS" 认证，认证编号 00515Q20619R0M。



规格 Specifications

型号 Type	功率 Power	电压 Voltage	补偿电容 Compensating capacitance	功率因数 Power factor	灯座 Lamp holder	电缆外径 Cable outside diameter	防护等级 Protection class	重量 Weight
JCY26-1	1×20W	110V/60Hz 220V/50Hz 220V/60Hz	4.75μf	>0.85	G13	Φ12-Φ16	IP56	7.2kg
JCY26-2	2×20W		7.5μf					
JCY26-2E	2×20W		7.5μf					
JCY26-2EF	24V/15W		7.5μf					

The scope of application

1. Applied to illumination of water dripping, water spattering, water coagulating place in ships, such as oven cabin, dry cabin, tunnel, pipeline, weather deck and etc.
2. The environmental temperature for work is $-20^{\circ}\text{C} \sim +55^{\circ}\text{C}$.

Products characteristic

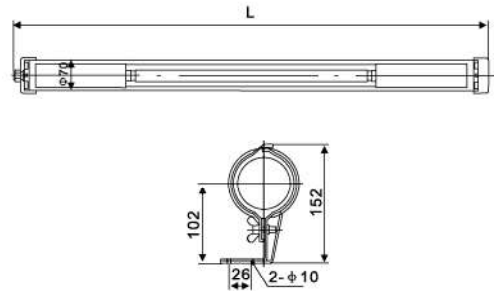
1. The shell adopts good quality stretch-formed steel plate, lampshade is injection molded by PC, and has the seal structure.
2. In order to prevent from electric shocking, equipped with a copper earthing rod with the mark  in the lights.
3. Plug-in type lamp holder, equipped wiring terminal inside, convenient to connect.
4. The lamp has the emergency device, equipped B15d lamp holder, 24V/15W small emergency bulb, there is  mark on th edge of lampshade.
5. Equipped with compensating capacitance inside, start rapidly.
6. The junction box is improved to Double-channel connection mode, the design is more user-friendly.

Adopt standard

Conform to JISF8008-2002 standard and 《GRADE ENTRY NORMS FOR STEEL SHIPS》.

Production authentication

Approval by CCS(China Classification Society), certificate number 00515Q20619R0M.



适用范围

该系列灯具适用于船舶舱室、夹板、外走道和具有防水要求的场所照明。

The scope of application

The lamp is suitable for the ship's cabin, outside the passageway and the request of waterproof place to illumination.

结构特点

- 1、壳体、灯罩均采用高强度 PC 料注塑成型；
- 2、采用密封结构，体积紧凑，外观精美；
- 3、防护等级为 IP56。

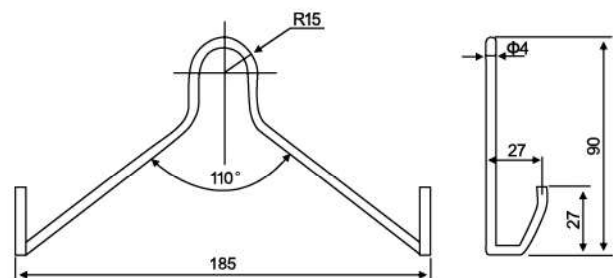
Characteristic

1. The shell and lampshade are injection molded by PC.
2. Using the whole seal structural design, has compact structure and delicacy appearance.
3. The protection class is IP56.

规格 Specifications

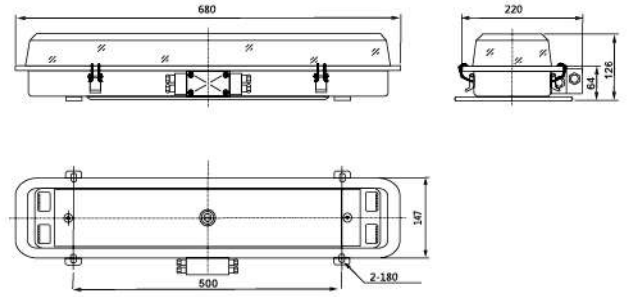
型号 Type	电压 Voltage	功率 Power	L	重量 Weight
JCY29-1	110V/50HZ 220V/60Hz	1×20W	1130(770)	2.7kg
JCY49-1		1×40W	1820	5.0kg
JCY29-1L	24V 36V 110V 220V	1×11W(LED)	500	1.95kg

JCY 荧光舱顶灯挂钩 FLUORESCENT PENDANT LIGHT HOOK



荧光舱顶灯

FLUORESCENT PENDANT LIGHT



适用范围

- 1、适用于各类船舶有滴水、溅水和凝水的场所照明之用，如机炉舱、干货舱、轴隧、管弄、露天甲板等场所作照明之用；
- 2、工作环境温度为 -20°C +55°C。

产品特点

- 1、壳体采用优质钢板拉伸成型，灯罩采用 PC 注塑成型，密封性能良好；
- 2、为防止触电，灯具内装有带⚡️标记的铜质接线柱；
- 3、插脚式灯座，内置接线端子，接线方便；
- 4、灯具具有应急装置，配有 B15d 灯座，用于 24V/15W 应急灯泡照明，其灯罩的边缘标有⚡️标志，订货时请注明需应急装置；
- 5、灯具内部配置补偿电容，启动效果好等特点。

采用标准

符合 JISF8008-2002 标准与《钢质海船入级规范》。

产品认证

经中国船级社 "CCS" 认证，认证编号 00515Q20619R0M。

规格 Specifications

型号 Type	功率 Power	电压 Voltage	补偿电容 Compensating capacitance	功率因数 Power factor	灯座 Lamp holder	电缆外径 Cable outside diameter	防护等级 Protection class	重量 Weight
JCYA23-1	1×20W	110V/60Hz 220V/50Hz 220V/60Hz	4.75μf	>0.85	G13	Φ12-Φ16	IP56	4kg
JCYA23-2E	2×20W		7.5μf					
JCYA43-1	1×40W		7.5μf					
JCYA43-2E	2×40W		7.5μf					7kg

The scope of application

1. Applied to illumination of water dripping, water spattering, water coagulating place in ships, such as oven cabin, dry cabin, tunnel, pipeline, weather deck and etc.
2. The environmental temperature for work is -20°C ~ +55°C .

Products characteristic

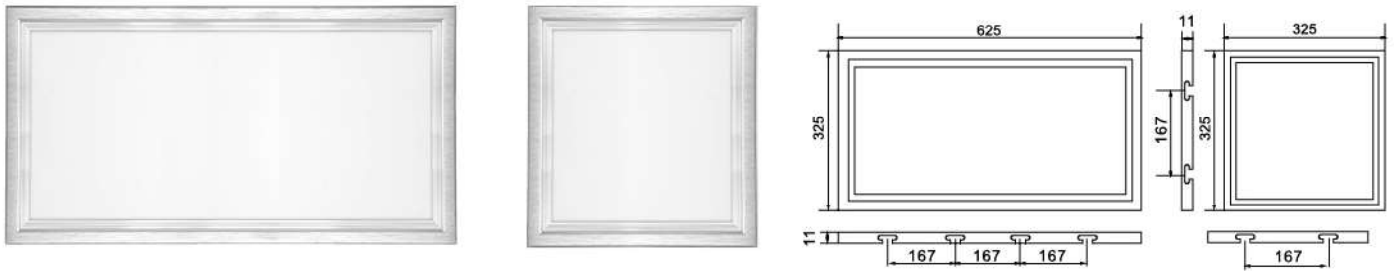
1. The shell adopts good quality stretch-formed steel plate, lampshade is injection molded by PC, and has the seal structure.
2. In order to prevent from electric shocking, equipped with a copper earthing rod with the mark ⚡️ in the lights.
3. Plug-in type lamp holder, equipped wiring terminal, convenient to connect.
4. The lamp has the emergency device, equipped B15d lamp holder, 24V/15W small emergency bulb, there is ⚡️ mark on th edge of lampshade.
5. Equipped with compensating capacitance inside, start rapidly.

Adopt standard

Conform to JISF8008-2002 standard and 《GRADE ENTRY NORMS FOR STEEL SHIPS》 .

Production authentication

Approval by CCS(China Classification Society), certificate number 00515Q20619R0M.




适用范围

适用于干燥舱室，如船员和旅客的居住舱、休息室、餐厅、驾驶室、报务室等场所。


The scope of application

Applied to dry cabin, such as accommodation, passageways, retiring room, restaurant, steering room, radio room and etc.

产品特点

1. 优质航空铝材散热材料，高导热系数快速散热，完美的解决散热问题，保证 LED 使用寿命。
2. 四侧背面采用卡紧边框确保与天花板完美配套配置弹簧，加强固定，安装方便。
3. 采用进口双金线晶元 2835LED 贴片，光效持久稳定输出。高端节能，使用寿命更长。
4. 采用三菱原厂亚克力板作为透光材料，高亮度、发光更均匀、亲近自然光、不刺眼、照明范围更广。
5. 采用专业的 LED 防水灌胶镇流器，防水等级高达 IP67/68 防护等级（喷泉、水潭、户外）都使用。
6. 灯具是加装 LED 应急装置，其灯罩的边缘标有  标志，订货时请注明需应急装置。

Products characteristic

1. High quality aviation aluminum heat dissipation material, high thermal conductivity for rapid heat dissipation, perfect solution to heat dissipation problem, guarantee LED life.
2. The back border of the four sides is perfectly matched with the ceiling by spring, easy installation.
3. Imported double gold wire and 2835 LED SMD, durable and stable output, high-end energy-saving, Longer service life.
4. Using Mitsubishi original acrylic plate as lampshade, high brightness, close to natural light, no glare, wider lighting range.
5. Adopt professional LED waterproof ballasts, the protection class can be IP67 IP68.
6. The lamp is the installation of LED emergency device, used for 24V/15W emergency bulb, there is  mark on th edge of lampshade, remark clear that need the emergency device when order.

产品认证

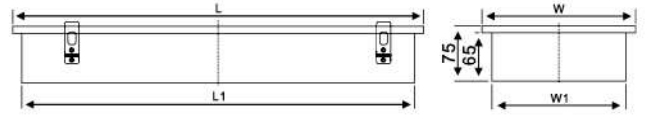
经中国船级社 "CCS" 认证，认证编号 00515Q20619R0M。

Production authentication

Approval by CCS(China Classification Society), certificate number 00515Q20619R0M.

规格 Specifications

型号 Type	开孔尺寸 Hole size	功率 Power	功率因数 Power factor	输入电压 Input voltage	输出电压 Output voltage	输出电流 Output current	防护等级 Protection class	重量 Weight	材质 Material
JPY21-2L	305*305	12W	>0.9	100-265V	24-42V	300mA	IP44	0.62kg	铝 Aluminum
	305*605	24W			38-82V			1.25kg	



型号 Type	开孔尺寸 Hole size	L	L ₁	W	W ₁
JPY21-2L	300*300	300	270	300	270
	300*600	600	570	300	270
	450*450	450	420	450	420

适用范围

适用于干燥舱室，如船员和旅客的居住舱、休息室、餐厅、驾驶室、报务室等场所。

产品特点

- 1、采用双金线晶元LED贴片，光效持久稳定输出。高端节能，使用寿命更长。
- 2、灯具安装方式为嵌入式，结构紧凑，外观精致；
- 3、灯罩为优质亚克力板制成，不变色、韧性好，光线柔和；
- 4、灯具可配有应急灯带，用于24V/3W应急照明，其灯罩的边缘标有🔴标志，订货时请注明需应急装置。

产品认证

经中国船级社"CCS"认证，认证编号00515Q20619R0M。

The scope of application

such as accommodation, passageways, retiring room, restaurant, steering room, radio room and etc.

Products characteristic

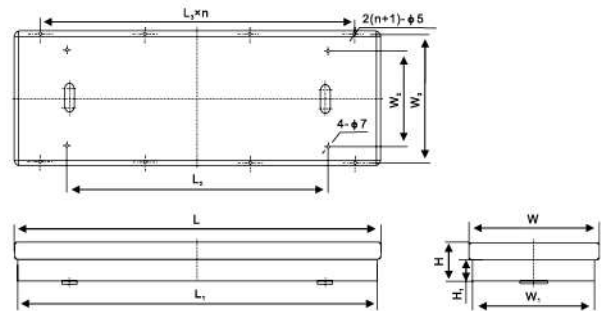
1. Double gold wire SMD, durable and stable output, high-end energy-saving, Longer service life.
2. The light is recessed type mounting, with compact structure and delicacy appearance.
3. The lampshade is made of good quality acrylic, non discoloring, good toughness, soft light.
4. The light fitting can be equipped with LED strip, used for 24V/3W emergency light, there is 🔴 mark on th edge of lampshade,, remark clear that need the emergency device when order.

Production authentication

Approval by CCS(China Classification Society), certificate number 00515Q20619R0M.

规格 Specifications

型号 Type	开孔尺寸 Hole size	功率 Power	功率因数 Power factor	输入电压 Input voltage	输出电压 Output voltage	输出电流 Output current	防护等级 Protection class	重量 Weight	材质 Material
JPY21-2L	300*300	24W	>0.9	100-265V	24-42V	300mA	IP44	4kg	钢 Steel
	300*600	36W			38-82V			6kg	
	450*450	36W			38-82V			7.5kg	



型号 Type	L	L ₁	L ₂	L ₃ ×n	W	W ₁	W ₂	W ₃	H	H ₁
JPY20-2	664	647	475	190×3	241	220	171	229	69	37
JPY40-2	1274	1250	1085	280×4	258	222	171	232	65	34


适用范围

适用于干燥舱室，如船员和旅客的居住舱、休息室、餐厅、驾驶室、报务室等场所。


The scope of application

Applied to dry cabin, such as accommodation, passageways, retiring room, restaurant, steering room, radio room and etc.

产品特点

- 1、灯具安装方式为嵌入式，结构紧凑，外观精致；
- 2、灯罩为优质 PC 注塑成形，不变色、韧性好，光线柔和；
- 3、灯具内部配置补偿电容，启动效果好，灯座为旋转式，接触性能好；
- 4、灯具可配有 B15d 灯座，用于 24V/15W 应急灯泡照明，其灯罩的边缘标有  标志，订货时请注明需应急装置。

Products characteristic

1. The light is recessed type mounting, with compact structure and delicacy appearance.
2. The lampshade is made of PC, non discoloring, good toughness, soft light.
3. Equipped with compensating capacitance inside, start rapidly. Lamp holder is rotary type, with good contact performance.
4. The light equipped with B15d lamp holder, used for 24V/15W emergency bulb, there is  mark on th edge of lampshade, remark clear that need the emergency device when order.

产品认证

经中国船级社 "CCS" 认证，认证编号 00515Q20619R0M。

Production authentication

Approval by CCS(China Classification Society), certificate number 00515Q20619R0M.

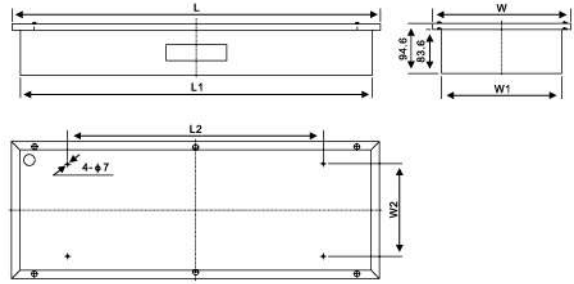
规格 Specifications

型号 Type	功率 Power	电压 Voltage	功率因数 Power factor	灯座 Lamp holder	防护等级 Protection class	重量 Weight	材质 Material
JPY20-2	2×20W	110V/60Hz 220V/50Hz 220V/60Hz	>0.85	G13	IP22	3.7kg	—
JPY20-2E						3.7kg	带应急 With emergency
JPY40-2	2×40W					11.5kg	—
JPY40-2E						11.5kg	带应急 With emergency

荧光蓬顶灯

FLUORESCENT CEILING LIGHT

国际代码 International Code:791851-791858



型号 Type	L	L ₁	L ₂	W	W ₁	W ₂
JPY21-2	685	650	475	255	220	171
JPY31-2	990	957	390×2	255	220	171
JPY41-2	1295	1262	542.5×2	255	220	171


适用范围

适用于干燥舱室，如船员和旅客的居住舱、休息室、餐厅、驾驶室、报务室等场所。


The scope of application

Applied to dry cabin, such as accommodation, passageways, retiring room, restaurant, steering room, radio room and etc.

产品特点

- 1、灯具安装方式为嵌入式，结构紧凑，外观精致；
- 2、灯罩为优质亚克力板制成，不变色、韧性好，光线柔和；
- 3、灯具内部配置补偿电容，启动效果好，灯座为插脚式，接触性能好；
- 4、灯具可配有 B15d 灯座，用于 24V/15W 应急灯泡照明，其灯罩的边缘标有  标志，订货时请注明需应急装置。

Products characteristic

1. The light is recessed type mounting, with compact structure and delicacy appearance.
2. The lampshade is made of good quality acrylic, non discoloring, good toughness, soft light.
3. Equipped with compensating capacitance inside, start rapidly. Lamp holder is rotary type, with good contact performance.
4. The light fitting can be equipped with B15d lamp holder, used for 24V/15W emergency bulb, there is  mark on th edge of lampshade, remark clear that need the emergency device when order.

产品认证

经中国船级社 "CCS" 认证，认证编号 00515Q20619R0M。

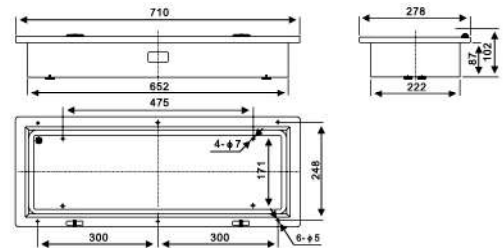
Production authentication

Approval by CCS(China Classification Society), certificate number 00515Q20619R0M.

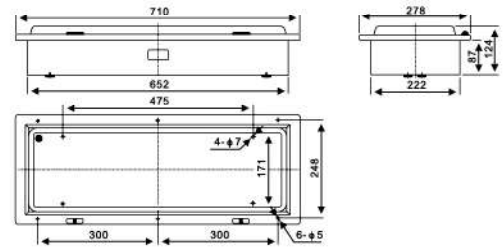
规格 Specifications

型号 Type	功率 Power	电压 Voltage	功率因数 Power factor	灯座 Lamp holder	防护等级 Protection class	重量 Weight
JPY21-2、JPY21-2E	2×20W	110V/60Hz 220V/50Hz 220V/60Hz	>0.85	G13	IP44	5.07kg
JPY31-2、JPY31-2E	2×30W					9.5kg
JPY41-2、JPY41-2E	2×40W					11.5kg

JPY22-2、JPY22-2E



JPY23-2、JPY23-2E




适用范围

适用于干燥舱室，如船员和旅客的居住舱、休息室、餐厅、驾驶室、报务室等场所。


The scope of application

Applied to dry cabin, such as accommodation, passageways, retiring room, restaurant, steering room, radio room and etc.

产品特点

- 1、灯具安装方式为嵌入式，结构紧凑，外观精致；
- 2、灯罩为优质亚克力板制成，不变色、韧性好，光线柔和；
- 3、灯具内部配置补偿电容，启动效果好，灯座为插脚式，接触性能好；
- 4、灯具可配有 B15d 灯座，用于 24V/15W 应急灯泡照明，其灯罩的边缘标有  标志，订货时请注明需应急装置。

Products characteristic

1. The light is recessed type mounting, with compact structure and delicacy appearance.
2. The lampshade is made of good quality acrylic, non discoloring, good toughness, soft light.
3. Equipped with compensating capacitance inside, start rapidly. Lamp holder is rotary type, with good contact performance.
4. The light fitting can be equipped with B15d lamp holder, used for 24V/15W emergency bulb, there is  mark on th edge of lampshade, remark clear that need the emergency device when order.

产品认证

经中国船级社 "CCS" 认证，认证编号 00515Q20619R0M。

Production authentication

Approved by CCS (China Classification Society).

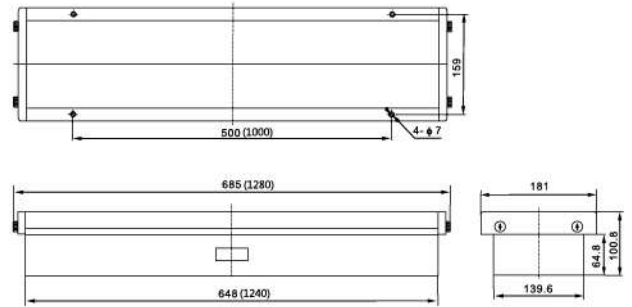
规格 Specifications

型号 Type	功率 Power	电压 Voltage	功率因数 Power factor	灯座 Lamp holder	防护等级 Protection class	重量 Weight	材质 Material
JPY22-2	2×20W	110V/60Hz 220V/50Hz 220V/60Hz	>0.85	G13	IP44	6.05kg	—
JPY22-2E						6.05kg	带应急 With emergency
JPY23-2	2×20W	110V/60Hz 220V/50Hz 220V/60Hz	>0.85	G13	IP44	7.5kg	—
JPY23-2E						7.5kg	带应急 With emergency

荧光蓬顶灯

FLUORESCENT CEILING LIGHT

国际代码 International Code: 791851-791858



适用范围

适用于各类船舶干燥舱室，如船员和旅客的居住舱、休息室、餐厅、驾驶室、报务室等场所作照明之用。

The scope of application

Applied to illumination of dry cabin in ships, such as accommodation, passageways, retiring room, restaurant, steering room, radio room and etc.

产品特点

- 1、灯具安装方式为嵌入式，结构紧凑，外观精致；
- 2、灯具内部配置补偿电容，启动效果好，灯座为插脚式，接触性能好。

Products characteristic

1. The light is recessed type mounting, with compact structure and delicacy appearance.
2. Equipped with compensating capacitance inside, start rapidly. Lamp holder is rotary type, with good contact performance.

采用标准

符合 JISF8008-2002 标准。

Adopt standard

Conform to JISF8008-2002 standard.

产品认证

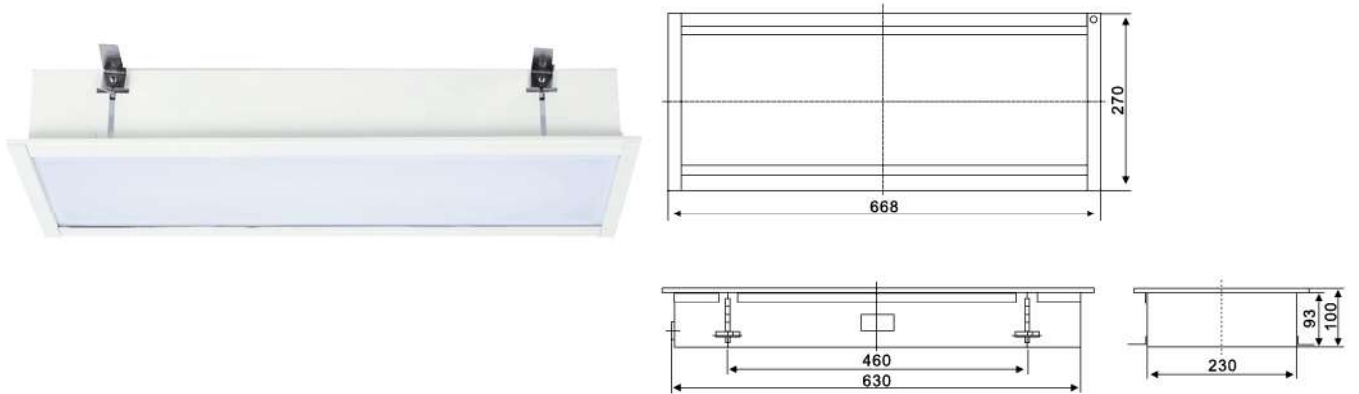
经中国船级社 "CCS" 认证，认证编号 00515Q20619R0M。

Production authentication

Approval by CCS(China Classification Society), certificate number 00515Q20619R0M.

规格 Specifications

型号 Type	功率 Power	电压 Voltage	补偿电容 Compensating capacitance	功率因数 Power factor	灯座 Lamp holder	防护等级 Protection class	重量 Weight
JPY24-1	1×20W	110V/60Hz 220V/50Hz 220V/60Hz	4.75μf	>0.85	G13	IP34	3.76kg
JPY24-2	2×20W		7.5μf				
JPY44-2	2×40W		7μf				



适用范围

使用于干燥舱室，如船员和旅客的居住舱、休息室、餐厅、驾驶室、报务室等场所。

产品特点

- 1、灯具安装方式为嵌入式，结构紧凑，外观精致；
- 2、灯具内部配置补偿电容，启动效果好，灯座为插脚式，接触性能好。

采用标准

符合 GB7000 系列标准。

产品认证

经中国船级社 "CCS" 认证，认证编号 00515Q20619R0M。

The scope of application

Applied to dry cabin, such as accommodation, passageways, retiring room, restaurant, steering room, radio room and etc.

Products characteristic

1. The light is recessed type mounting, with compact structure and delicacy appearance.
2. Equipped with compensating capacitance inside, start rapidly. Lamp holder is rotary type, with good contact performance.

Adopt standard

Conform to the standard of GB 7000.

Production authentication

Approval by CCS(China Classification Society), certificate number 00515Q20619R0M.

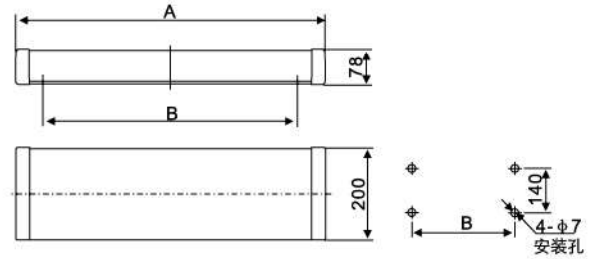
规格 Specifications

型号 Type	功率 Power	电压 Voltage	补偿电容 Compensating capacitance	功率因数 Power factor	灯座 Lamp holder	防护等级 Protection class	重量 Weight
JPY25-2	2×20W	110V/60Hz 220V/50Hz 220V/60Hz	7.5μf	>0.85	G13	IP22	7kg

荧光蓬顶灯

FLUORESCENT CEILING LIGHT

国际代码 International Code: 791841-791847



适用范围

该系列灯具适用于船舶舱室、居住、办公室、控制室等场所照明。

The scope of application

Applied to the illumination in residential cabin, office, control room and etc.

结构特点

- 1、壳体采用钢板制造，吸顶式安装；
- 2、灯罩采用乳白色有机玻璃；
- 3、环境温度为 $-20^{\circ}\text{C} \sim +55^{\circ}\text{C}$ 范围内正常工作；
- 4、防护等级为 IP22。

Characteristic

1. The shell is made of steel plate, surface mounted.
2. The lamp shade is milky white organic glass.
3. Can work normally under the temperature $-20^{\circ}\text{C} \sim +55^{\circ}\text{C}$.
4. The protection class is IP22.

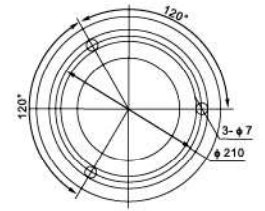
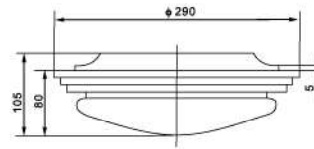
规格 Specifications

型号 Type	电源 Power source	功率 Power	应急灯 Emergency Lamp			尺寸 Size		重量 Weight
			灯头 Lamp holder	电压 Voltage	功率 Power	A	B	
JPY28-2	110V/60HZ 220V/50Hz 220V/60Hz	2×20W	--	--	--	658	500	3.8kg
JPY28-2E			B15d	24V	15W			3.8kg
JPY48-2		2×40W	--	--	--	1295	1000	5.4kg
JPY48-2E			B15d	24V	15W			5.5kg

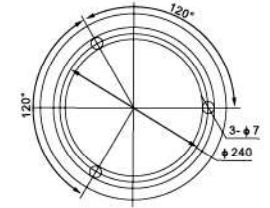
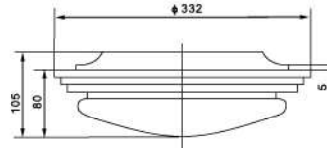
注：型号后面加“J”为带减震装置，“E”为带应急灯头，“G”为带应急蓄电池装置。

Note: The product type add "J" With vibration damper, "E" with emergency light holder, "G" with emergency battery.

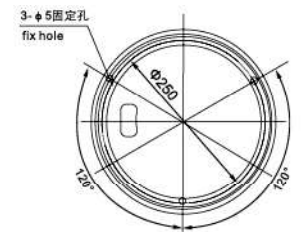
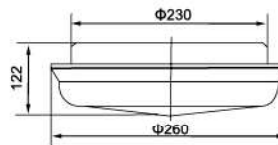
CPD1-1 单泡蓬顶灯
Single-bulb ceiling light



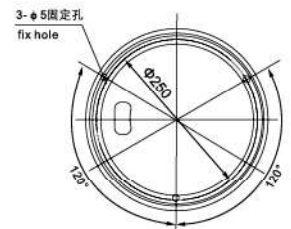
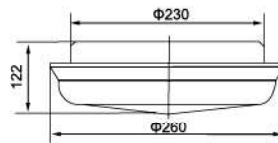
CPD1-2 双泡蓬顶灯
Double-bulb ceiling light



CPD2-1 单泡蓬顶灯
Single-bulb ceiling light



CPD30-1L LED 圆形蓬顶灯
LED circular ceiling light



适用范围

适用于船舶舱室居住，办公及文娱室等场所照明。

The scope of application

Applied to the illumination in residential cabin, office, entertainment room and etc.

产品特点

- 1、钢质外壳，呈嵌入式，乳白色灯罩；
- 2、灯具可配有 B15d 灯座，用于 24V/15W 应急灯泡照明，其灯罩的边缘标有 标志，订货时请注明需应急装置。

Products characteristic

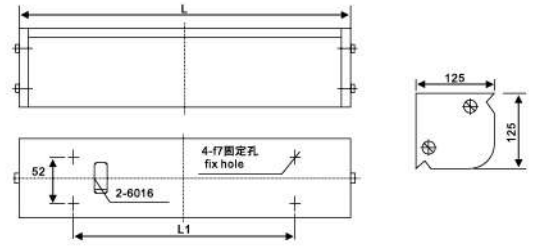
1. Steel shell, recessed type, milk white lampshade.
2. The light fitting can be equipped with B15d lamp holder, used for 24V/15W emergency bulb, there is mark on th edge of lampshade, remark clear that need the emergency device when order.

规格 Specifications

型号 Type	功率 Power	电压 Voltage	光源 Illuminant	灯体材质 Material	灯头 Lamp holder	防护等级 Protection class	重量 Weight
CPD1-1	60W	110V/220V	白炽灯 Incandescent	钢质 Steel	E27	IP20	1.85kg
CPD1-2	60W×2				E27	IP20	2.2kg
CPD2-1	60W				E27	IP20	1.5kg
CPD30-1L	18W		LED		-	IP20	1.6kg

荧光走道灯

FLUORESCENT CORNER LIGHT



型号 Type	L	L1
JBY15-1	523	343
JBY15-1E		
JBY20-1	673	474
JBY20-1E		
JBY30-1	978	779
JBY30-1E		

适用范围

适用于干燥舱室，走道等场所作照明之用，如船员和旅客的居住舱、通道、休息室、餐厅、驾驶室、报务室等场所。

The scope of application

Applied to illumination of dry cabin, such as accommodation, passageways, retiring room, restaurant, steering room, radio room and etc.

产品特点

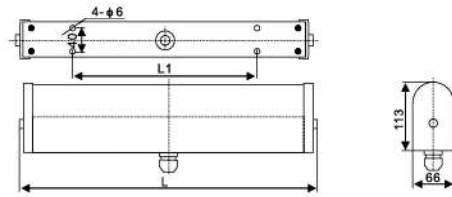
- 1、灯具安装方式为墙壁式，结构紧凑，外观精致；
- 2、灯座为插脚式，接触性能好；
- 3、灯罩均选用进口亚克力板压制而成，具有不变色、韧性好等特点；
- 4、灯具可配有 B15d 灯座，用于 24V/15W 应急灯泡照明，其灯罩的边缘标有 标志，订货时请注明需应急装置。

Products characteristic

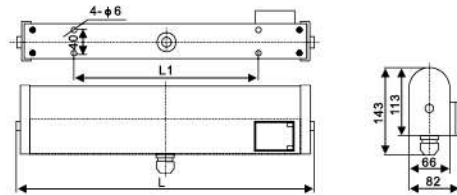
1. The light is wall-type mounting, with compact structure and delicacy appearance.
2. The lamp holder is rotary type, with good contact performance.
3. The lampshade is made of good quality organic, non discoloring, good toughness.
4. The light fitting can be equipped with B15d lamp holder, used for 24V/15W emergency bulb, there is mark on th edge of lampshade, remark clear that need the emergency device when order.

规格 Specifications

型号 Type	功率 Power	电压 Voltage	功率因数 Power factor	灯座 Lamp holder	防护等级 Protection class	重量 Weight	备注 Remark
JBY15-1	1×15W	110V/60Hz 220V/50Hz 220V/60Hz	>0.85	G13	IP34	3.2kg	-
JBY15-1E						3.2kg	带应急 With emergency
JBY20-1	1×20W					4.0kg	-
JBY20-1E						4.0kg	带应急 With emergency
JBY30-1	1×30W					5.2kg	-
JBY30-1E						5.2kg	带应急 With emergency



型号 Type	L	L1
CBD17-C	488	300
CBD17-E	640	455



型号 Type	L	L1
CBD17-D	488	300
CBD17-F	640	455

适用范围

适用于各类船舶的走道、洗衣间、洗浴室、船员休息室等有潮湿的场所，作照明之用。

The scope of application

Applied to the illumination of wet places such as sidewalk, washroom, bathroom, rest room and etc.

产品特点

- 1、壳体采用优质铝型材，灯罩采用 PMMA 模压成型；
- 2、灯体结构紧凑，外观精致美观；
- 3、旋转式灯座，根据顾客的要求该灯具可配置剃须刀专用电源插座。

Products characteristic

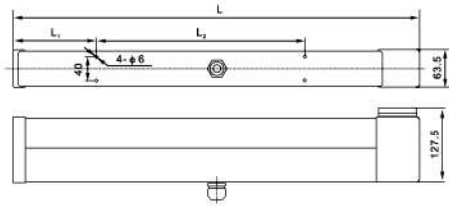
1. The shell adopts good quality aluminum, lampshade adopts PMMA;
2. The lamp body has compact structure and delicacy appearance;
3. Spin-type lampholder, this lamp can be equipped with special power supply socket for shaver according to the request of the customer.

规格 Specifications

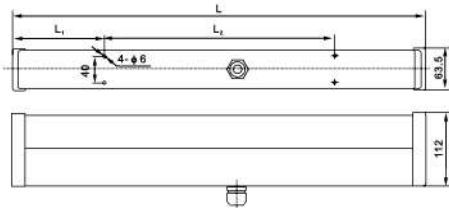
型号 Type	电压 / 频率 Voltage/Frequency	功率 Power	重量 Weight	防护等级 Protection class	备注 Remark
CBD17-C	110V/60Hz 220V/50Hz 220V/60Hz	1×15W	2.2kg	IP34	-
CBD17-D			2.4kg	IP34	带插座 With Socket
CBD17-E		1×20W	2.6kg	IP34	-
CBD17-F			2.9kg	IP34	带插座 With Socket

荧光镜前灯

FLUORESCENT MIRROR LIGHT



型号 Type	L	L1	L2
HODU-8	431	128	125
HODU-15	528	61.5	350
HODU-20	682	138	350



型号 Type	L	L1	L2
HODU-8A	376	128	125
HODU-15A	473	61.5	350
HODU-20A	626	138	350

适用范围

适用于各类船舶的走道、洗衣间、洗浴室、船员休息室等有潮湿的场所，作照明之用。

产品特点

- 1、壳体采用优质铝型材，灯罩采用 PMMA 模压成型；
- 2、灯体结构紧凑，外观精致美观；
- 3、旋转式灯座，根据顾客的要求该灯具可配置剃须刀专用电源插座。

采用标准

符合《钢质海船入级规范》。

产品认证

经中国船级社 "CCS" 认证编号 00515Q20619R0M。

规格 Specifications

型号 Type	功率 Power	电压 Voltage	灯座 Lamp holder	电缆外径 Cable outside diameter	防护等级 Protection class	重量 Weight	备注 Remark
HODU-8A	1×8W	110V/60Hz 220V/50Hz 220V/60Hz	G5	Φ10-Φ14	IP34	1.5kg	-
HODU-8						1.8kg	带插座 With socket
HODU-15A	1×15W		G13			1.63kg	-
HODU-15						2.65kg	带插座 With socket
HODU-20A	1×20W		G13			1.75kg	-
HODU-20						2.9kg	带插座 With socket

The scope of application

Applied to the illumination of wet places such as sidewalk, washroom, bathroom, rest room and etc.

Products characteristic

1. The shell adopts good quality aluminum, lampshade adopts PMMA;
2. The lamp body has compact structure and delicacy appearance;
3. Spin-type lampholder, this lamp can be equipped with special power supply socket for shaver according to the request of the customer.

Adopt standard

Conform to 《GRADE ENTRY NORMS FOR STEEL SHIPS》.

Production authentication

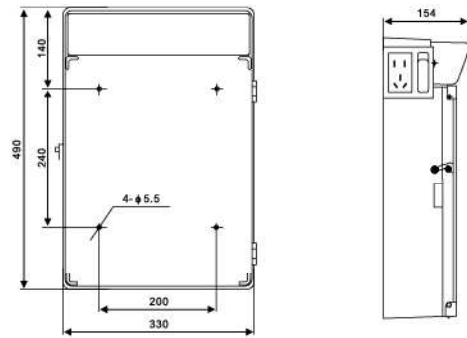
Approval by CCS(China Classification Society), certificate number 00515Q20619R0M.

CBD17-G 盥洗镜面箱灯

MIRROR LIGHT IN WASHROOM

国际代码 International Code:531912

电压：110V/60Hz、220V/50Hz/60Hz
 功率：1x8W
 防护等级：IP34
 重量：11.84kg
 Voltage:110V/60Hz. 220V/50Hz/60Hz
 Power:1x8W
 Protection class:IP34
 Weight: 11.84kg



适用范围

供船舶浴室作镜前照明和放置洗涤物品用。

产品特点

- 1、具有外形美观、安装方便等特点；
- 2、壳体为优质工程塑料注塑而成，侧面装有开关和插座。

The scope of application

Applied to the illumination before mirror and the placement of washing articles in washroom of ship.

Products characteristic

1. Has the features of beautiful appearance and convenient installation etc.
2. The shell is made of good quality engineering plastic, equipped with switch and socket at the side.

荧光床头灯

FLUORESCENT BEDSIDE LIGHT

适用范围

适用于船舶舱室内居住场所作床头照明。

产品特点

- 1、壳体采用优质钢板模压成型，灯罩采用PMMA注塑；
- 2、灯体结构紧凑，外观精致美观。

产品认证

经中国船级社 "CCS" 认证，认证编号 00515Q20619R0M。

The scope of application

Applied to bedside illumination of residential cabin in ship.

Products characteristic

1. The shell adopts good quality steel, lampshade is injection molded by PC.
2. The lamp body has compact structure and delicacy appearance.

Production authentication

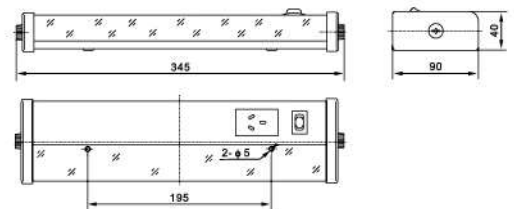
Approval by CCS(China Classification Society), certificate number 00515Q20619R0M.

LED JTY08-1CL(LED) 荧光床头灯

LED Fluorescent bedside light

国际代码 International Code:
792148 792149

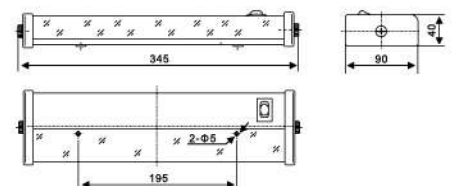
功率 Power: 3W
电压 Voltage: 85V~265V



JTY08-1 荧光床头灯

Fluorescent bedside light

国际代码 International Code:
792141 792145



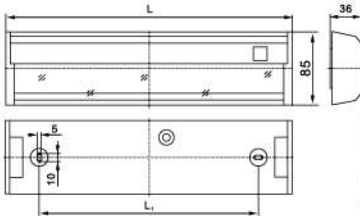
荧光床头灯

FLUORESCENT BEDSIDE LIGHT

国际代码 International Code:792141-792147



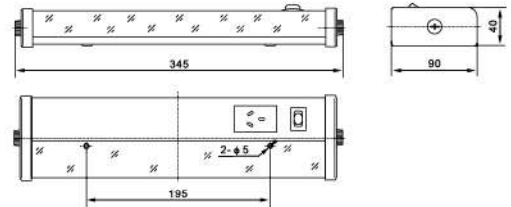
JTY08-1A / JTY15-1A



型号 Type	L	L1
JTY08-1A	327	250
JTY15-1A	473	402



JTY08-1C



适用范围

适用于船舶舱室内居住场所作床头照明。

产品特点

- 1、壳体采用优质钢板模压成型，灯罩采用 PC 注塑；
- 2、灯体结构紧凑，外观精致美观。

采用标准

符合《钢质海船入级规范》。

产品认证

经中国船级社 "CCS" 认证，认证编号 00515Q20619R0M。

The scope of application

Applied to bedside illumination of residential cabin in ship.

Products characteristic

1. The shell adopts good quality steel, lampshade is injection molded by PC.
2. The lamp body has compact structure and delicacy appearance.

Adopt standard

Conform to 《GRADE ENTRY NORMS FOR STEEL SHIPS》.

Production authentication

Approval by CCS(China Classification Society), certificate number 00515Q20619R0M.

规格 Specifications

型号 Type	电压 / 频率 Voltage/Frequency	功率 Power	灯座 Lamp holder	防护等级 Protection class	重量 Weight
JTY08-1A	110V/60Hz 220V/50Hz	1×8W	G5	IP20	0.53kg
JTY15-1A	220V/60Hz	1×15W	G13	IP20	0.765kg

适用范围

适用于船舶舱室内居住场所作床头照明。

主要技术参数

- ◆ 功率：1×8W
- ◆ 电压：220V/50Hz, 220V/60Hz, 110V/60Hz
- ◆ 灯座：G5
- ◆ 防护等级：IP20
- ◆ 重量：1.0kg

产品特点

- 1、壳体采用优质钢板模压成型，灯罩采用 PMMA 模压成型；
- 2、灯体结构紧凑，外观精致美观，带有电源插座。

采用标准

符合《钢质海船入级规范》。

产品认证

经中国船级社 "CCS" 认证，认证编号 00515Q20619R0M。

The scope of application

Applied to bedside illumination of residential cabin in ship.

Main technical parameter

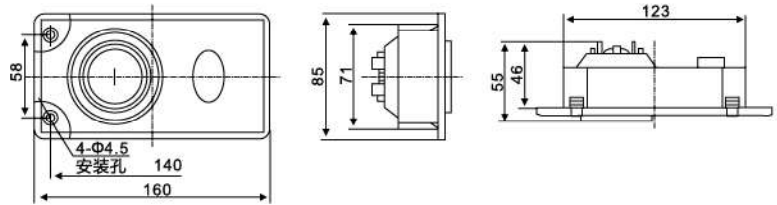
- ◆ Power: 1x8W
- ◆ Voltage: 220V/50Hz, 220V/60Hz, 110V/60Hz
- ◆ Lamp holder: G5
- ◆ Protection Class: IP20
- ◆ Weight: 1.0kg

Adopt standard

Conform to 《GRADE ENTRY NORMS FOR STEEL SHIPS》.

Production authentication

Approval by CCS(China Classification Society), certificate number 00515Q20619R0M.



适用范围

嵌入式 LED 照明灯具，外形美观，亮度高，照射角度可调，适用于有封板的居住床头部位照明。

The scope of application

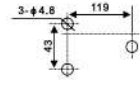
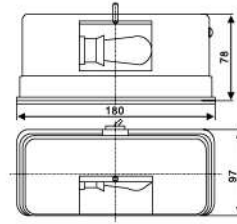
The flush type LED lighting has beautiful appearance, high brightness, adjustable illumination angle, applicable to illumination for bedside of residence place.

技术参数 Technical Parameter

名称 Name	床头灯 Bedside light
型号 Model	CJC220-8
功率 Power	1.5W
电压 Voltage	220V
总电流 Current	0.06A
色温 Color temperature	5000-5500K
光通量 Lm Luminous flux	106Lm
防护等级 Enclosure	IP22
材质 Material	聚碳酸酯 Polycarbonate
重量 Weight	0.3kg±5%

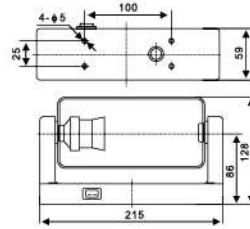
床头灯 BEDSIDE LIGHT

CKS2 床头灯
Bedside light

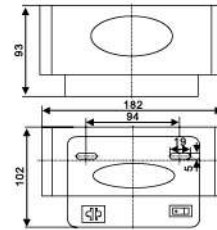


CKS3 床头灯
Bedside light

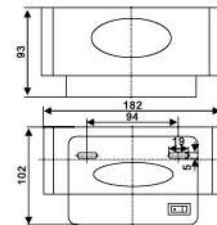
国际代码 International Code:792136



CKS21 床头灯
Bedside light



CKS21-A 床头灯
Bedside light



适用范围

适用于船舶舱室内居住场所作床头照明用。

产品特点

旋转式遮光罩，可根据需要调节光照角度。

The scope of application

Applied to bedside illumination of residential cabin in ship.

Products characteristic

Spin-type lens hood, can adjust illumination angle according to the requirement.

规格 Specifications

型号 Type	电压 Voltage	光源 Illuminant	功率 Power	灯座 Lamp holder	材质 Material	重量 Weight
CKS2	24V/110V/220V	白炽灯 Incandescent	15W-25W	E27	钢 Steel	0.8kg
CKS3			15W-40W		工程塑料 Engineering plastic	0.73kg
CKS21			15W-25W		钢 Steel	0.94kg
CKS21-A			15W-25W		不锈钢 Stainless steel	0.94kg



Cuttlefish
TECHNOLOGY

白炽灯系列

THE SERIES OF INCANDESCENT LIGHT



白炽舱顶灯

INCANDESCENT PENDANT LIGHT

适用范围

适用于各类船舶甲板、走道等潮湿场所或舱室照明。

The scope of application

Applied to the illumination in or such wet places in deck and sidewalk in ships.

产品特点

灯具结构简单，防水性能好，可在各种场合和恶劣环境中使用；

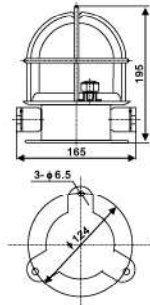
Products characteristic

The structure of light is simple, has good waterproof function, can be used in kinds of places and bad environment.

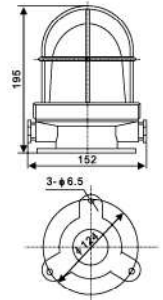
规格 Specifications

型号 Type	电压 Voltage	功率 Power	灯座 Lamp holder	重量 Weight	材质 Material	防护等级 Protection class	电缆外径 Cable outside diameter	颜色 Color
CCD1-2	220V	60W	E27	1.8kg	钢 Steel	IP55	Φ12-Φ16	透明，磨砂，乳白，红，绿，蓝，黄 Transparent, Frosted, Opal, Red, Green, Blue, Yellow
CCD1-2A	220V	60W	E27	1.2kg	塑料 Plastic	IP55	Φ10-Φ12	
CCD2-1-2	220V	60W	E27	2.3kg	铝 Aluminium	IP55	Φ12-Φ16	透明，磨砂，乳白 Transparent, Frosted, Opal
CCD3-2	24V	25W	B15d	0.52kg	塑料 Plastic	IP55	Φ12-Φ16	透明，磨砂，乳白，红，绿，蓝，黄 Transparent, Frosted, Opal, Red, Green, Blue, Yellow
CCD3-3	24V	25W	B15d	0.52kg	塑料 Plastic	IP55	Φ12-Φ16	
CCD4-1	220V	60W	E27	2.7kg	铝 Aluminium	IP55	Φ12-Φ16	透明，磨砂，乳白 Transparent, Frosted, Opal
CCD5-2	24V	25W	B15d	0.45kg	塑料 Plastic	IP56	Φ12-Φ16	透明，磨砂，乳白，红，绿 Transparent, Frosted, Opal, Red, Green
CCD5-2B	24V	25W	B15d	1.35kg	铝 Aluminium	IP56	Φ12-Φ16	
CCD6-2	220V	60W	E27	0.75kg	塑料 Plastic	IP56	Φ12-Φ16	
CCD6-2B	220V	60W	E27	1.66kg	铝 Aluminium	IP56	Φ12-Φ16	
CCD7	220V	60W	E27	2.1 kg	钢 Steel	IP55	Φ12-Φ16	透明，磨砂，乳白，红，绿，黄 Transparent, Frosted, Opal, Red, Green, Yellow
CCD9-2-2	220V	60W	E27	1.71 kg	塑料 Plastic	IP55	Φ12-Φ16	
CCD9-3-2	220V	60W	E27	1.91 kg	钢 Steel	IP55	Φ12-Φ16	
CCD9-5	220V	60W	E27	2.0kg	铜 Brass	IP56	Φ12-Φ16	透明，磨砂，乳白，红，绿，蓝，黄 Transparent, Frosted, Opal, Red, Green, Blue, Yellow
CCD9-5A	24V	25W	B15d	2.0kg	铜 Brass	IP56	Φ12-Φ16	
CCD9-6	220V	60W	E27	3.7kg	铜 Brass	IP56	Φ12-Φ16	
CCD9-6A	24V	25W	B15d	3.7kg	铜 Brass	IP56	Φ12-Φ16	
CCD15-2	220V	60W	E27	2.0kg	铜 Brass	IP56	Φ12-Φ16	透明，红，绿 Transparent, Red, Green

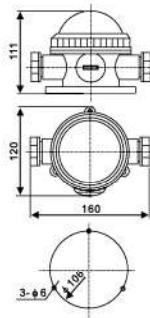
CCD1-2 舱顶灯
Pendant light



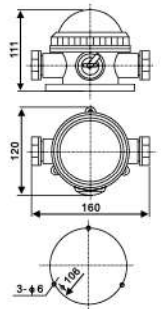
CCD1-2A 全塑舱顶灯
Full-plastic pendant light



CCD3-2 舱顶灯
Pendant light

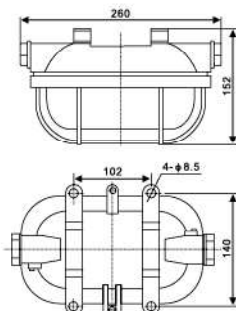


CCD3-3 舱顶灯
Pendant light

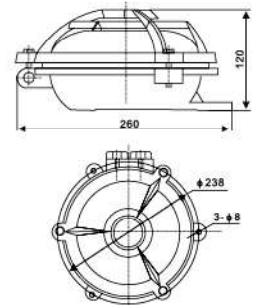


CCD2-1-2 舱顶灯
Pendant light

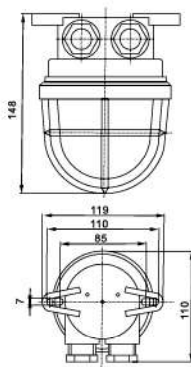
国际代码: 792101-792102
International Code



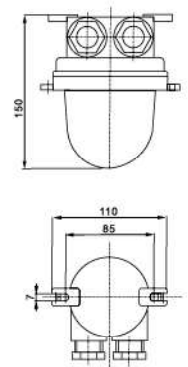
CCD4-1 舱顶灯
Pendant light



CCD5-2 舱顶灯
Pendant light



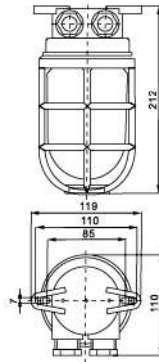
CCD5-2B 舱顶灯
Pendant light



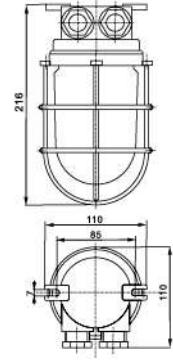
白炽舱顶灯

INCANDESCENT PENDANT LIGHT

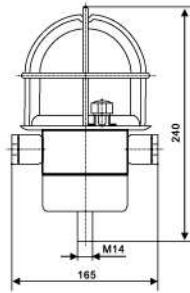
CCD6-2 舱顶灯
Pendant light



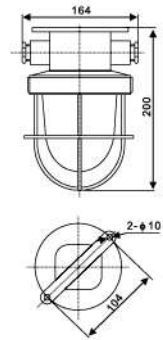
CCD6-2B 舱顶灯
Pendant light



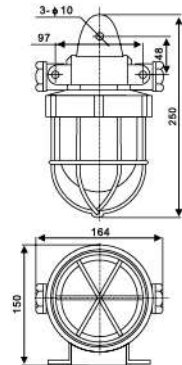
CCD7 舱顶灯
Pendant light



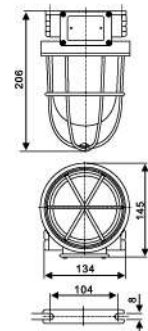
CCD9-2-2 舱顶灯
Pendant light



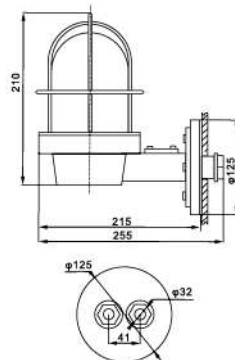
CCD9-3-2 舱顶灯
Pendant light



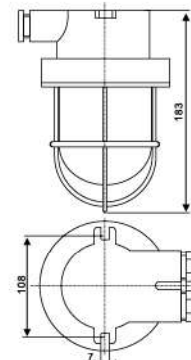
CCD9-5/CCD9-5A 舱顶灯
Pendant light



CCD9-6/CCD9-6A 舱顶灯
Pendant light



CCD15-2 舱顶灯
Pendant light



适用范围

该系列灯具适用于各类船舶有滴水、溅水、凝水和露天场所，如机炉舱、干货舱、轴隧、管弄、露天甲板。

产品特点

灯罩为防松脱装置，接线方便等，安装方式为吸顶式。

产品认证

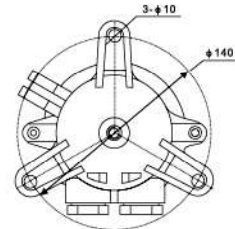
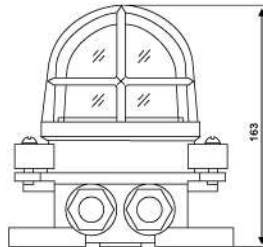
- 1、经中国船级社 "CCS" 认证，认证编号 00515Q20619R0M；
- 2、欧共体 "CE" 认证；
- 3、采用日本 JISF8414-2003 标准组织生产；
- 4、符合《钢质海船入级规范》。

规格 Specifications

国际代码 Code	型号 Type	功率 Power	电压 Voltage	灯座 Lamp holder	材质 Material	电缆外径 Cable outside diameter	颜色 Color	防护等级 Protection class	重量 Weight	
792053	DS7-1M	15W	24V	FE12、FE14	合成树脂 Synthetic resin	Φ12-Φ16	透明，红， 绿，黄，蓝 Transparent, Red, Green, Yellow, Blue	IP56	1.1kg	
792054				FB15						1.2kg
792057	DS7-2M	60W	220V	FE26					1.2kg	
792058				FB22						2.0kg
792057-B	DS7-2M-B	60W	220V	FB26					铝 Aluminium	
792055	DS7-2M-A	60W	220V	FE26						合成树脂 Synthetic resin
792059	DS7-3M	100W	220V	FE26	3.0kg					
792060				FE26		2.7kg				
792062	DS7-4M	200W	220V	FE26	透明 Transparent					
792066	W	60W	220V	FE26						

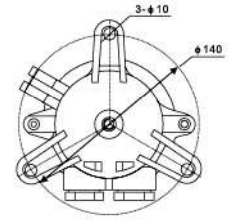
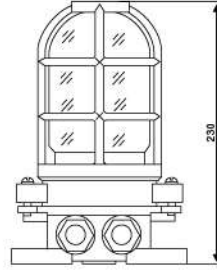
DS7-1M 作业灯

Work light

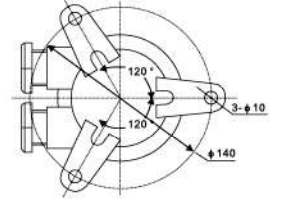
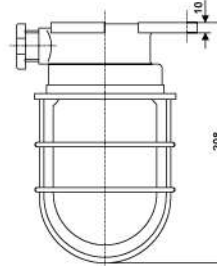


作业灯
WORK LIGHT

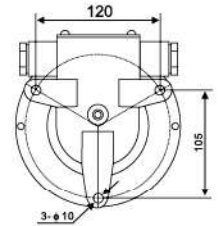
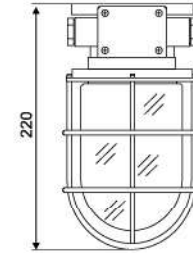
DS7-2M 作业灯
Work light



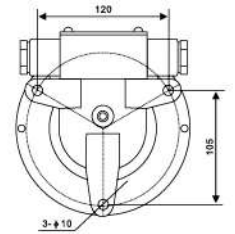
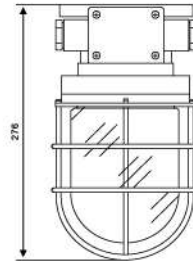
DS7-2M-A 作业灯
Work light



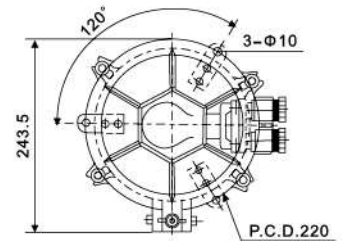
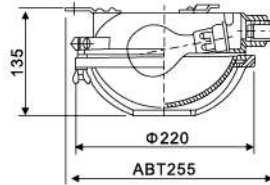
DS7-2M-B 作业灯
Work light



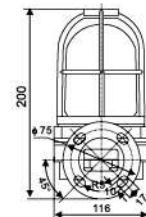
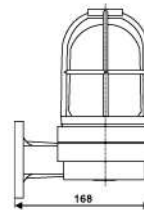
DS7-3M 作业灯
DS7-4M 作业灯
Work light



W 作业灯
Work light



WB-1B 壁灯
Wall light



适用范围

该灯具适用于各类船舶有滴水、溅水、凝水和露天场所，如机炉舱、干货舱、管弄、露天甲板等。

产品特点

安装型式为壁式。

产品认证

- 1、经中国船级社 "CCS" 认证，认证编号 00515Q20619R0M；
- 2、欧共体 "CE" 认证；
- 3、采用日本 JISF8414-2003 标准组织生产；
- 4、符合《钢质海船入级规范》。

The scope of application

This lights fit for ships with water dripping, water spattering, water coagulating and weather place, such as oven cabin, dry cabin, tunnel, pipeline and weatherdeck etc.

Products characteristic

Wall-type installation.

Production authentication

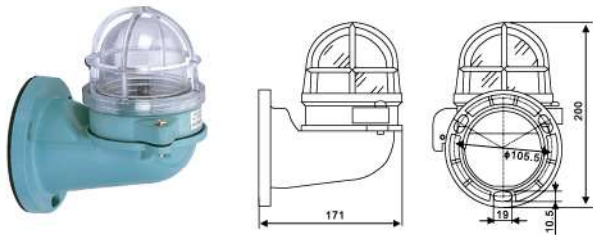
1. Approval by CCS(China Classification Society), certificate number 00515Q20619R0M.
2. Passed the authentication of CE.
3. Adopt the Japaese standard JISF8414-2003.
4. Conform to 《GRADE ENTRY NORMS FOR STEEL SHIPS》.

规格 Specifications

国际代码 Code	型号 Type	功率 Power	电压 Voltage	灯座 Lamp holder	材质 Material	颜色 Color	防护等级 Protection class	重量 Weight
792067	WB-1	15-30W	24V	FE12,FE14,FB15	合成树脂 Synthetic resin	透明, 红, 绿, 黄, 蓝 Transparent, Red, Green, Yellow, Blue	IP56	0.83kg
	WB-1B	15-30W	24V					0.83kg
792068	WB-2	60W	220V	FE26,FB22	铝 Aluminium			1.26kg
	WB-2A	60W	220V	FE26	合成树脂 Synthetic resin			1.45kg
	WB-2B	60W	220V	FE26	合成树脂 Synthetic resin			1.26kg

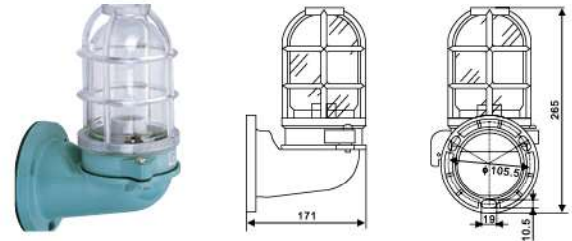
WB-1 壁灯

Wall light



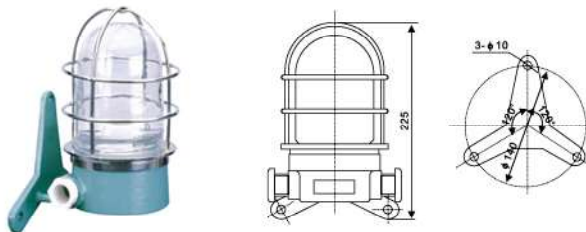
WB-2 壁灯

Wall light



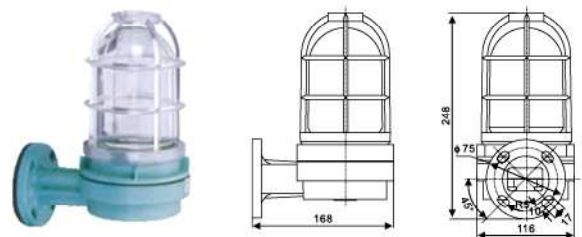
WB-2A 壁灯

Wall light



WB-2B 壁灯

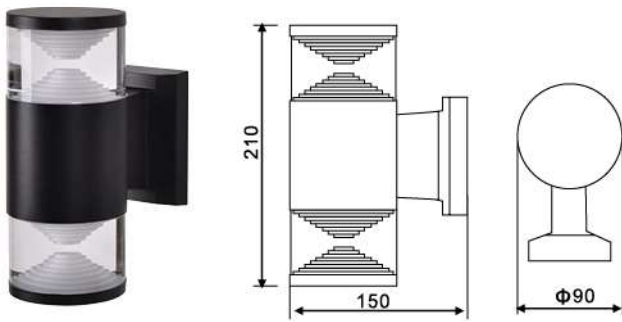
Wall light



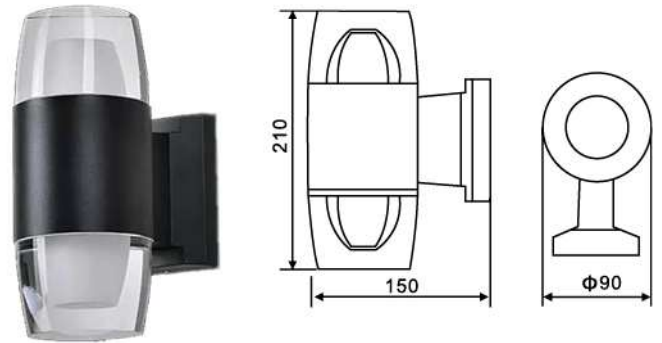
壁灯 / 台灯

WALL LIGHT / READING LIGHT

CBD2 壁灯
WALL light



CBD3 壁灯
WALL light



规格 Specifications

型号 Type	材质 Material	工作电压 Operating Voltage	功率 Power	光源 light source	色温 Color temperature	流明 lumen	防护等级 Protection class
CBD2	铝材 + 亚克力 Aluminum + Acrylic	100V-220V 50/60Hz	2×5W	2835LED 灯珠 2835LED lamp beads	暖白 Warm White	1000Lm	IP54 Class 1
CBD3							

CTD3 台灯
Reading light



CTD4 台灯
Reading light



型号 Type	材质 Material	输入电压 Input voltage	功率 Power	光源 light source	色温 Color temperature	流明 lumen	防护等级 Protection class	尺寸 Size
CTD3	不锈钢 stainless steel	85V-265V	7W	LED	4000-6000K	840LM	IP44	D350*H300
CTD4			9W			1080LM		D450*H560

适用范围

适用于船舶检修或装卸货物等临时性工作场地照明。

产品特点

1、CSD2 手柄为橡胶，CSD3 手柄为塑料，带金属保护网。

The scope of application

This lights fit for ships with water dripping, water spattering, water coagulating and weather place, such as oven cabin, dry cabin, tunnel, pipeline and weatherdeck etc.

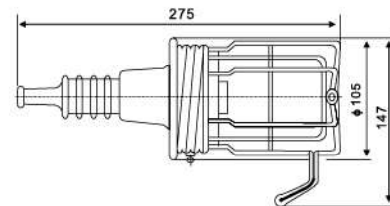
Products characteristic

1. CSD2 with rubber handle, CSD3 plastic handle, with metal guard.

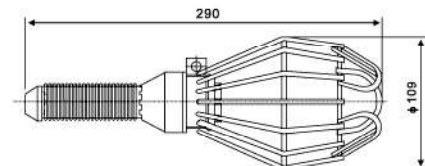
规格 Specifications

型号 Type	电压 Voltage	功率 Power	灯座 Lamp holder	灯罩颜色 Color of lampshade	重量 Weight	防护等级 Protection class	电缆外径 Cable outside diameter
CSD2	220V/24V	25W/40W	E27/B22d	透明、半磨砂 Transparent, half-Frosted	0.73kg	IP44	Φ8-Φ10
CSD3	220V/24V	40W	E27/B22d	-	0.38kg	-	
CSD5	12V/24V	50W/80W	专用 Special	-		IP56	

CSD2 手提灯
Portable light

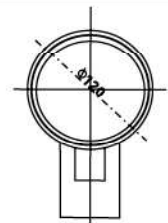
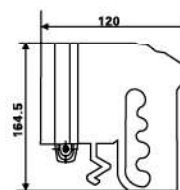


CSD3 手提灯
Portable light



CSD5 手提灯
Portable light

国际代码 International Code:330264



适用范围

适用于船舶检修或装卸货物等临时性工作场地照明。

产品特点

外观精致，重量轻，移动方便，灯体采用密封性结构，具有较高防水能力。

采用标准

符合《钢质海船入级规范》

产品认证

经中国船级社 "CCS" 认证，认证编号 00515Q20619R0M。

规格 Specifications

型号 Type	电压 Voltage	功率 Power	灯座 Lamp holder	材质 Material	重量 Weight	防护等级 Protection class	电缆外径 Cable outside diameter
CSD7	250V/24V	60W	E26	工程塑料 engineering plastic	0.91kg	IP56	φ8-φ10
CSD8	250V/24V	100W	E26	工程塑料 engineering plastic	0.75kg	IP20	φ8-φ10
CSD9	220V/12V	4W	-	-	1.5kg	IP56	-

注：CSD7 有灯罩 CSD8 无灯罩

The scope of application

This lights fit for ships with water dripping, water spattering, water coagulating and weather place, such as oven cabin, dry cabin, tunnel, pipeline and weatherdeck etc.

Products characteristic

The product has delicacy appearance,light weight and convenient to remove;lamp body adopts seal structure,and has good waterproof function.

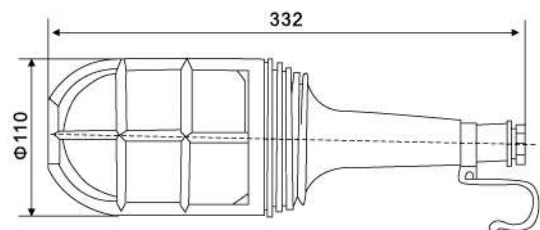
Adopt standard

Conform to GRADE ENTRY NORMS FOR STEEL SHIPS.

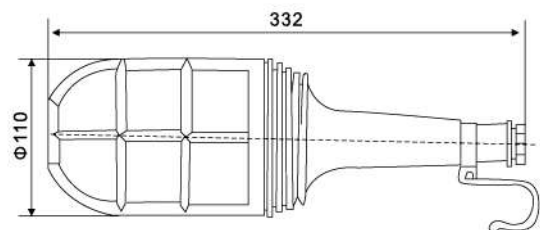
Production authentication

Approval by CCS(China Classification Society), certificate number 00515Q20619R0M.

CSD7 手提灯 Portable light

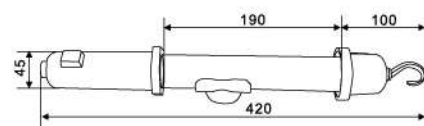


CSD8 手提灯 Portable light



LED CSD9 LED 手提荧光灯 LED portable rechargeable light

国际代码 International Code:792181-792184



产品特点

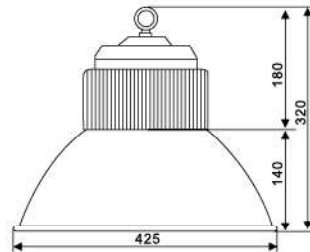
1. 灯具采用优质 LED 光源, 寿命可达 50000 小时以上、节能、环保, 发光率高且均匀等特点, 灯珠光通量在 120LM/W, 寿命长, 功耗低, 显色指数大于 80, 发光角度在 120°;
2. LED 驱动选用性能稳定的元器件, 确保驱动电路寿命长, 恒率电路设计, 并设有短路、过载等电路保护, 确保 LED 能长期稳定工作。

Products characteristic

1. It adopts good LED illuminant, the work life can be more than 50,000 hours. Energy-saving, high lighting and environment protection., lamp beads luminous flux in the 120LM / W, long life, low power consumption, color index greater than 80, light angle of 120°;
5. LED drive adopt stable performanct components to ensure long life of the drive circuit, constant current circuit design, and there is a sbort circuit.

规格 Specifications

名称 Name	型号 Type	功率 Power	电压 Voltage	灯座 Lamp holder	电缆外径 Cable outside diameter	光源 Illuminant	防护等级 Protection class	重量 Weight
LED 货仓灯 LED cargo light	CGD3-2L	100W 150W	85V~265V	/	Φ8-Φ10	LED	IP56	6kg



货仓灯 CARGO LIGHT

适用范围

该系列灯具适用于船舶货仓内作移动照明; 壳体采用优质钢板模压成型, 带金属防护网; 光线强, 适合大面积照明; 符合《钢质海船入级规范》, 经中国船级社 "CCS" 认证, 认证编号 00515Q20619R0M。

The scope of application

This series lights fit for movable illumination in cargo warehouse of ship; The shell adopts good quality steel, with metal guard Strong lights, fit for the large area illumination, Conform to 《GRADE ENTRY NORMS FOR STEEL SHIPS 》 and approval by CCS(China Classification Society), certificate number 00515Q20619R0M.

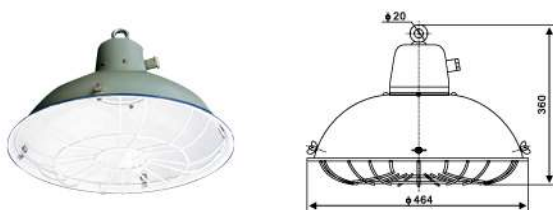
规格 Specifications

名称 Name	型号 Type	功率 Power	电压 Voltage	灯座 Lamp holder	电缆外径 Cable outside diameter	光源 Illuminant	防护等级 Protection class	重量 Weight
单泡货仓灯 Single-bulb cargo light	CGD2	300W 500W	110V/220V	E40	Φ8-Φ10	白炽灯 Incandescent lamp	IP20	3.64kg
五泡货仓灯 Five-bulb cargo light	CGD3-2	5×60W		B22d/E27		白炽灯 Incandescent lamp		3.9kg

CGD2 单泡货仓灯

Single-bulb cargo light

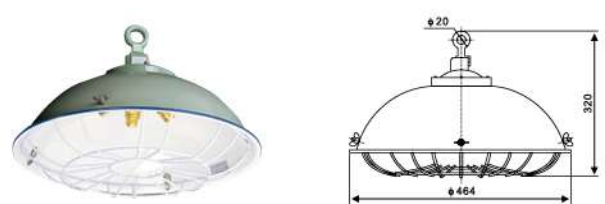
国际代码 International Code:792003-792004



CGD3-2 五泡货仓灯

Five-bulb cargo light

国际代码 International Code:792007





Cuttlefish
TECHNOLOGY



适用范围

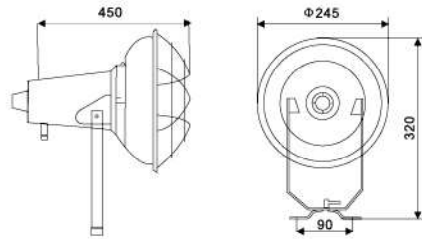
适用于船舶、港口、码头、车站和广场等场所照明。

The scope of application

Applied to illumination of ship, port dock, station and plaza etc.

规格 Specifications

型号 Type	电压 Voltage	功率 Power	材质 Material	灯头 Lamp holder	光源 Electric light source	防护等级 Protection class	重量 Weight
TG64	220V	150-500W	不锈钢 Stainless steel	E10	HRF-300W,400W HRN-300W,400N	IP44	3kg



LED TG2-L 投光灯
SPOT LIGHT

适用范围

适用于船舶、港口、码头、车站、广场、桥梁等场所照明。

The scope of application

Applicable to ships, ports, docks, stations, squares, bridges and other places lighting.

产品特点

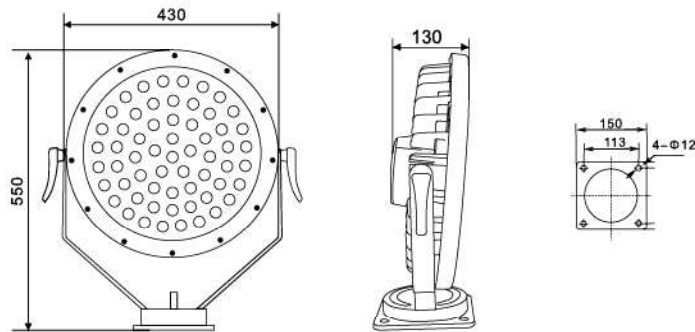
- 1、采用进口芯片，灯珠光通量在 110-120LM/W，寿命长，功耗低，显色指数大于 80，发光角度在 30-60°；
- 2、采用高导热系数的铝合金材料，温升小，阳极氧化或表面喷涂处理，能够防腐，端盖由铝合金高压压铸，高强度钢化玻璃，透光率高，耐移横击性好；
- 3、密封圈采用进口耐老化硅橡胶原料，防水防尘性能强悍。

Products characteristic

- 1.The use of imported chips, lamp beads luminous flux in the 110-120LM / W, long life, low power consumption, color index greater than 80, light angle of 30-60 °;
- 2.The use of high thermal conductivity of aluminum alloy material, temperature rise, anodized or surface spray treatment, can enough anti-corrosion, the end cap from the aluminum alloy high-pressure die-casting, high-strength tempered glass, high transmittance,
- 3.The use of imported anti-aging silicone rubber raw materials, waterproof and dustproof performance tough.

规格 Specifications

型号 Type	输入电压 Voltage	功率 Power	光通量 Lm Luminous flux	工作频率 Working frequency	色温 Color temperature	工作温度 Operating temperature	防护等级 Protection class	外壳材质 Material	寿命 lifetime	重量 Weight
TG2-L	AC85-265V	150*1W	110-120 LM/W	50-60Hz	6000K(正白 Pure white)	-30~+60°C	IP66	压铸铝 Die-cast Aluminum	50000H	15kg



适用范围

适用于船舶、港口、码头、车站和广场等场所照明。

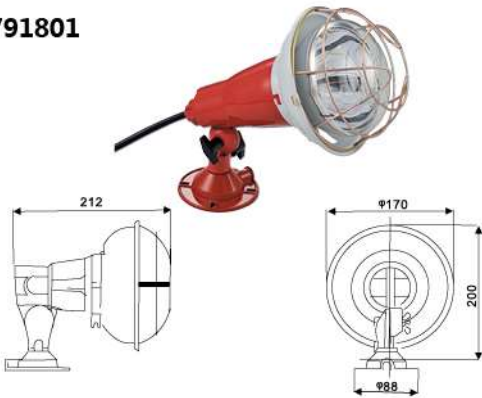
The scope of application

Applied to illumination of ship, port dock, station and plaza etc.

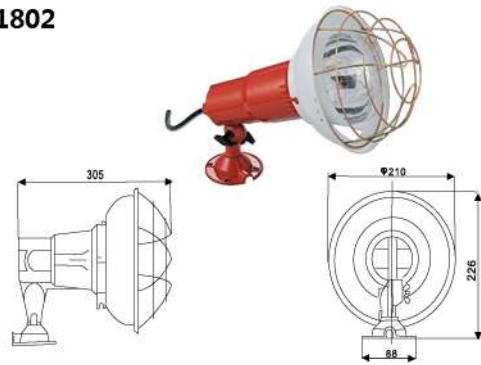
规格 Specifications

型号 Type	光源 Illuminant	灯头 Lamp holder	最大直径 Max Dia	最大长度 Max Length
791801 法兰式 Flanged-Base	RF&RS-100,150,200W	E26	150	255
791802 法兰式 Flanged-Base	RF&RS-300,500W	E39	200	260
791803 固定式 Screw-Clamp	RF&RS-100,150,200W	E26	150	255
791804 固定式 Screw-Clamp	RF&RS-300,500W	E39	200	260
791811 法兰式 Flanged-Base	HRF-300W,400W HR-300N,400N	E39	240	410
791812 固定式 Screw-Clamp	HRF-300W,400W HR-300N,400N	E39	240	410

791801



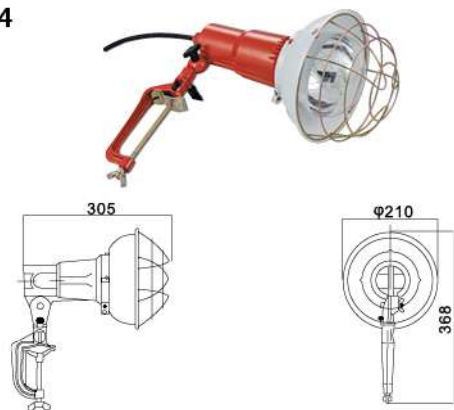
791802



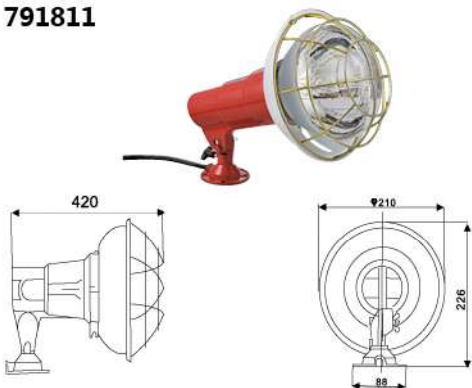
791803



791804

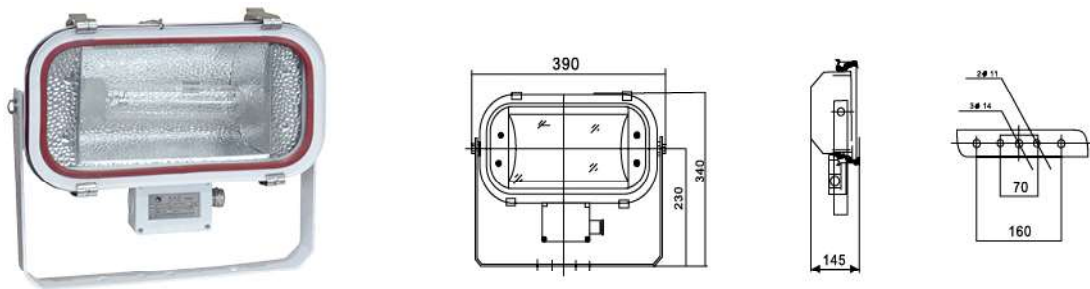


791811



791812





适用范围

适用于各类船舶、码头、船坞、广场及隧道照明。

产品特点

- 1、灯体采用不锈钢板拉伸而成，粉末涂层，阳极化处理的高纯度铝质反射器，灯罩采用透明钢化玻璃。
- 2、灯体密封性能好，防腐性强，壳体向上 90°，向下 45°调节。

The scope of application

Applied to illumination of ship, charf, dock, plaza and tunnel.

Products characteristic

1. The light body adopts stainless steel tensioned, powder coat, high-purity aluminum reflector of anodic disposal, the lampshade adopts transparent toughened glass.
2. The light body has the good sealed function, intensity corrosive-resisting, the shell can adjust upside 90°, down 45°.

规格 Specifications

型号 Type	电压 Voltage	功率 Power	灯座 Lamp holder	光源 Illuminant	光通量 Lm Luminous flux	防护等级 Protection class	电缆外径 Cable outside diameter	重量 Weight	附件 Annex
TG67-C500	110V/60HZ 220V/50HZ	500W	E40	卤钨灯 Tungsten halogen light	8500	IP67	Φ12-Φ14	5.5kg	光源型号为 JTT Illuminant type JTT
TG67-C1000	220V/60HZ	1000W	R7S		22000				光源型号为 R7S Illuminant type R7S

TG1-B、TG2-B、投光灯

SPOT LIGHT

适用范围

适用于船舶、港口、码头、车站和广场等场所照明。

The scope of application

Applied to illumination of ship, port dock, station and plaza etc.

产品特点

- 1、灯罩为透明钢化玻璃，反光镜为高纯度铝板，反射效率高；
- 2、灯体可以水平旋转 $\pm 180^\circ$ ，俯仰 120° 。

Products characteristic

1. The lampshade is transparent toughened glass, the reflector is plated by chrome with high reflection efficiency.
2. Light body can rotate for $+180^\circ$, horizontally, and pitching 120° .

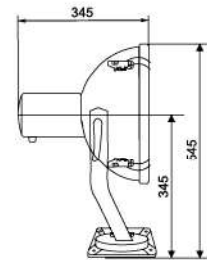
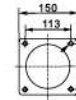
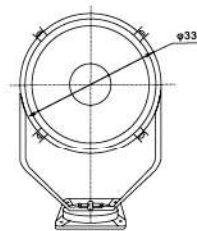
规格 Specifications

型号 Type	电压 Voltage	功率 Power	灯头 Lamp holder	光源 Illuminant	光通量 Lm Luminous flux	材质 Material	防护等级 Protection class	电缆外径 Cable outside diameter	重量 Weight	备注 Remark
TG1-A	DC110V AC220V	300W	E40	白炽灯泡 Incandescent bulb	4610	钢 Steel	IP55	$\Phi 10-\Phi 12$	8kg	无网 Without guard
TG1-B		300W			4610				8.97kg	带网罩 With guard
TG2-A		500W			8300				9.7kg	无网 Without guard
TG2-B		500W			8300				10.96kg	带网罩 With guard

国际代码 International Code:792011-792013

TG1-A 投光灯 Spot light

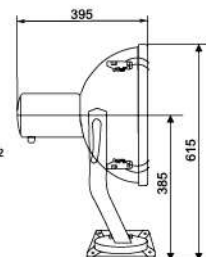
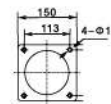
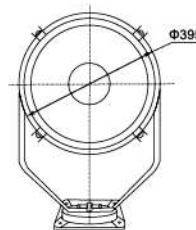
TG1-B 投光灯 Spot light



国际代码 International Code:792014

TG2-A 投光灯 Spot light

TG2-B 投光灯 Spot light



适用范围

适用于船舶、港口、码头、车站和广场等场所照明。

The scope of application

Applied to illumination of ship, port dock, station and plaza etc.

产品特点

- 1、灯罩为透明钢化玻璃，反光镜为高纯度铝板，反射效率高；
- 2、灯体可以水平旋转 ±180°，俯仰 120°。

Products characteristic

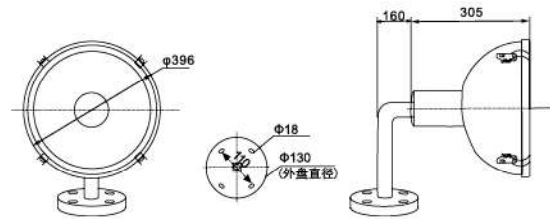
- 1. The lampshade is transparent toughened glass, the reflector is plated by chrome with high reflection efficiency.
- 2. Light body can rotate for +180° ,horizontally, and pitching 120°.

规格 Specifications

型号 Type	电压 Voltage	功率 Power	灯头 Lamp holder	光源 Illuminant	光通量 Lm Luminous flux	材质 Material	防护等级 Protection class	电缆外径 Cable outside diameter	重量 Weight	备注 Remark
TG1-W	DC110V AC220V	300W	E40	白炽灯泡 Incandescent bulb	4610	钢 Steel	IP55	Φ10-Φ12	7.0kg	带网罩 With guard
TG2-W		500W			8300				8.4kg	带网罩 With guard
TG1-J		300W			4610				8kg	带网罩 With guard
TG2-J		500W			8300				9.7kg	带网罩 With guard

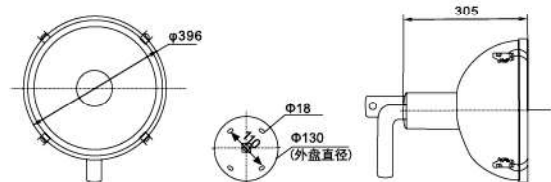
国际代码 International Code:792021-792026

TG1-W/TG2-W 投光灯
Spot light



国际代码 International Code:

TG1-J/TG2-J 投光灯
Spot light



TG3、TG3-A 信号探照灯

SIGNAL SEARCH LIGHT

适用范围

适用于各类船舶间的信号交换之用，能见距离 15n.m。

产品特点

- 1、灯壳体下方设有调焦螺母，可调节灯光焦距；
- 2、灯具内设有格栅，操纵手柄，可按需要发出灯光信号；
- 3、通过升降杆或控制器，可使灯体水平旋转 180°，俯仰 30°。
- 4、产品具有无线遥控功能，能无线 100 米控制操作灯总成，领先国内同行水平，并通过产品设计专利。
- 5、专利号：ZL 201420804513.3。

规格 Specifications

型号 Type	电压 Voltage	功率 Power	灯头 Lamp holder	光源 Illuminant	光通量 Lm Luminous flux	材质 Material	防护等级 Protection class	电缆外径 Cable outside diameter	重量 Weight	附件 Annex
TG3	DC110V AC220V	1000W	E40	白炽聚光灯泡 Incandescent focus bulb	17000	钢 Steel	IP56	Φ10-Φ12	30kg	升降杆 Lifter
TG3-A		1000W	E40		17000	不锈钢 Stainless steel	IP56	Φ10-Φ12	56 kg	控制器 Controller

The scope of application

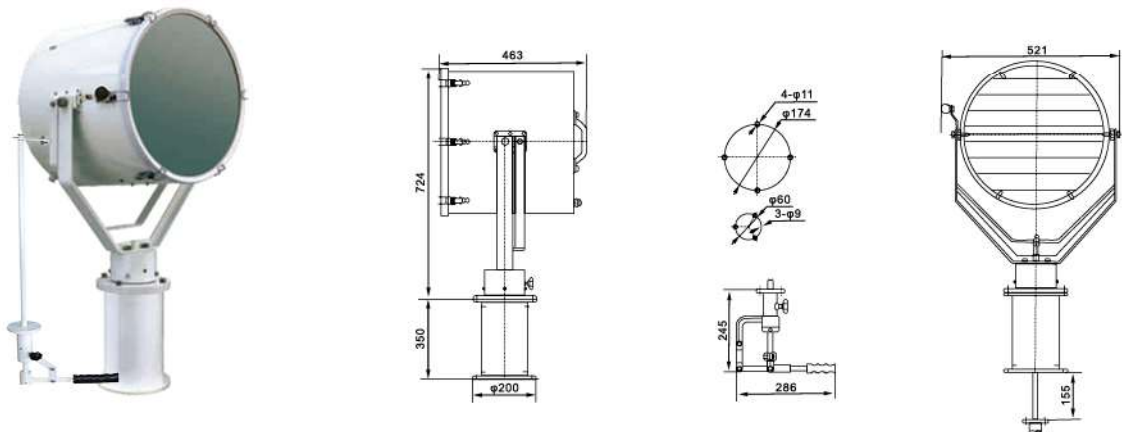
Applied to Signal exchange between ships, the visibility distance is 15n.m.

Products characteristic

1. A focusing nut is arranged below the lamp housing to adjust the focal length of the light.
2. Inside the light equips grid, joy stick, and can send the lighting signal according to the requirement.
3. Can rotate for 1800 horizontally, and pitching 300 by the lift-hole or ontrroller.
4. Products with wireless remote control, can control the operation of the wireless 100 m lamp assembly, the leading domestic Line level, and through product design patents.
5. Patent No.: ZL 201420804513.3

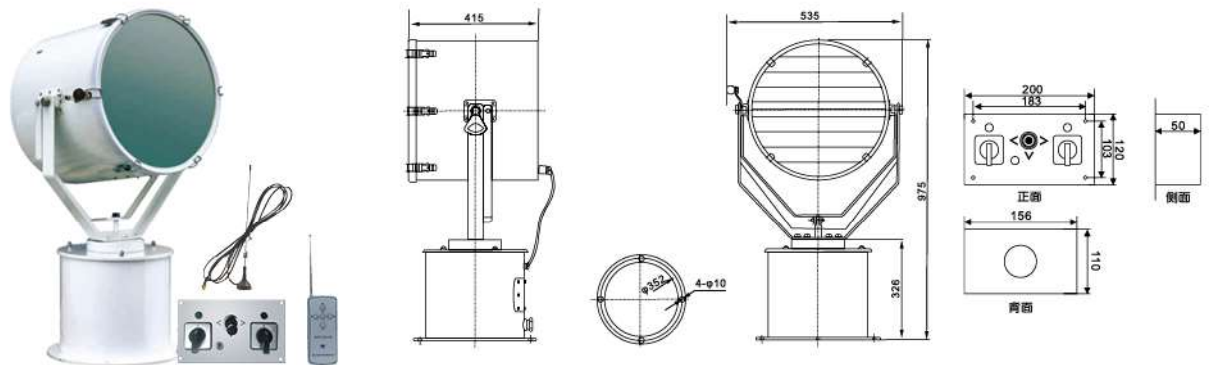
信号灯 TG3

Signal searchlight



信号灯 TG3-A

Signal searchlight



适用范围

适用于各类船舶、矿山、码头、建筑工地等处大面积照明。

The scope of application

Applied to large area illumination of ship, mine, dock, building site etc.

产品特点

- 1、灯壳体下方设有调焦螺母，可调节灯光焦距；
- 2、灯罩为透明安全玻璃、球面钢化玻璃反光镜 能够发出光线集中的强光束；
- 3、通过升降杆或控制器，可使灯体水平旋转 180°，俯仰 30°；
- 4、专利号：ZL 201420804513.3。

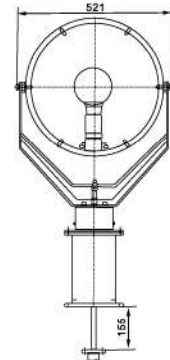
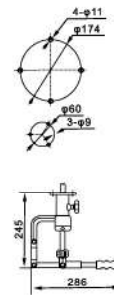
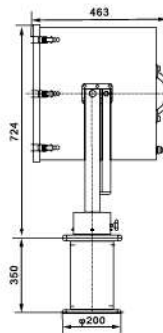
Products characteristic

1. A focusing nut is arranged below the lamp housing to adjust the focal length of the light
2. The lampshade is transparent safe toughened glass. sphere toughened glass reflector, can send the intensity light-beam which is concentrated.
3. The light body can rotate for 180° horizontally, and pitching 30° by the lift-hole or controller.
4. Patent No. : ZL 201420804513.3.

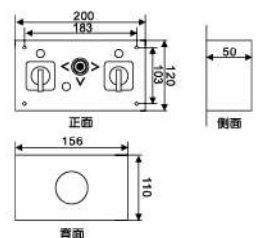
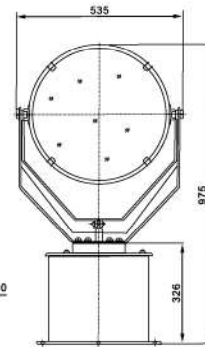
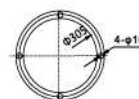
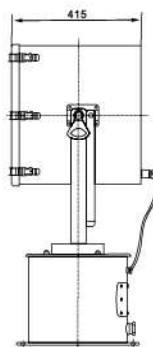
规格 Specifications

型号 Type	电压 Voltage	功率 Power	灯头 Lamp holder	光源 Illuminant	光通量 Lm Luminous flux	材质 Material	防护等级 Protection class	电缆外径 Cable outside diameter	重量 Weight	附件 Annex
CTG3	DC110V AC220V	1000W	E40	白炽聚光灯泡 Incandescent focus bulb	17000	钢 Steel	IP56	Φ10-Φ12	30 kg	升降杆 Lifter
CTG3-A		1000W	E40		17000	不锈钢 Stainless steel	IP56	Φ10-Φ12	56 kg	控制器 Controller

投光灯 CTG3
Spot light



信号灯探照灯 CTG3-A
Spot light

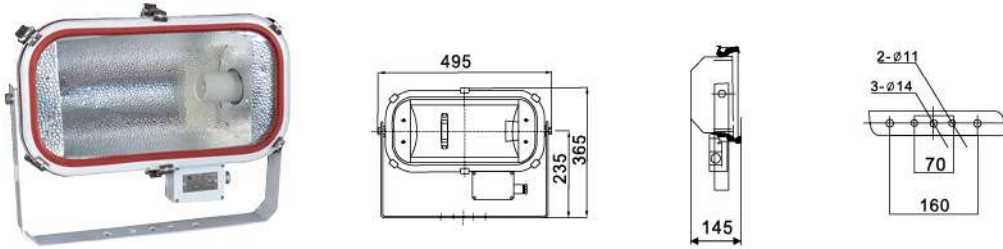


TG4、TG5、TG6 投光灯

FLOOD LIGHT

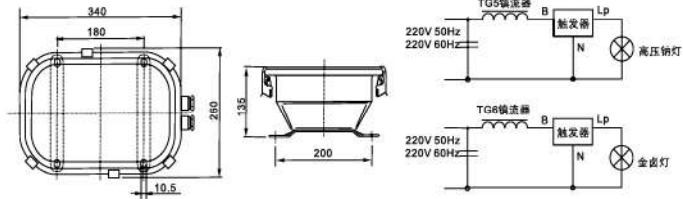
TG4 投光灯

Flood light



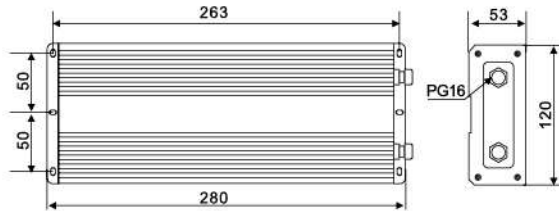
TG5、TG6-XT 镇流器箱 (220V)

Ballast-box



TG5、TG6-XT 镇流器箱 (110V)

Ballast-box



适用范围

适用于各类船舶、船坞、港口码头、堆货场和石油平台等露天场所作投光照明用。

The scope of application

Applied to projecting illumination in outdoor place such as ship, dock, port, storeplace and petroleum platform etc.

产品特点

- 1、采用优质不锈钢制造而成，灯罩为钢化玻璃，高纯度反光镜，反光效果好；
- 2、外观美观紧凑，结构密封性能好，防腐性强，向上90°向下45°角度调节。

Products characteristic

1. Made of good quality stainless steel, the lampshade is made of toughened glass, and high-purity aluminium reflector, it has good reflecting effect.
2. Compact structure and beauty appearance, good seal and anticorrosive performance, adjust upside 90°, down 45° angle.

产品认证

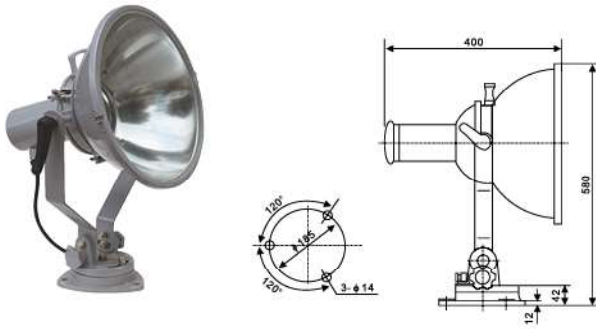
- 1、经中国船级社 "CCS" 认证，认证编号 00515Q20619R0M；
- 2、符合国际 IEC 规范和国家标准 GB7000.7-2005；
- 3、符合《钢质海船入级规范》。

Production authentication

1. Approval by CCS(China Classification Society), certificate number 00515Q20619R0M.
2. Conform to international IEC norm and national standard GB7000.7-2005.
3. Conform to 《GRADE ENTRY NORMS FOR STEEL SHIPS》.

规格 Specifications

国际代码 International Code	型号 Type	电压 Voltage	功率 Power	光通量 Lm Luminous flux	光源 Illuminant	电缆外径 Cable outside diameter	灯座 Lamp holder	防护等级 Protection class	重量 Weight	附件 Annex
	TG4		1000W	22000	卤钨灯 Tungsten halogen lamp				7.58kg	光源型号为 JTT Illuminant type JTT
791821 791822	TG5	110V/60HZ 220V/50HZ	250W 400W	26000 47000	高压钠灯 High-pressure sodium lamp	Φ12-Φ14	E40	IP67	7.58kg	镇流器箱 Ballast-box
	TG6	220V/60HZ	250W 400W	20500 36000	金属卤化物灯 Metal halide lamp					



适用范围 适用于船舶、港口、码头、车站和广场等地照明。

产品特点

- 1、灯罩为透明钢化玻璃，反光镜经过镀铬抛光处理，反射效率高；
- 2、灯体可以水平旋转 100°，向上 90°，向下 45°。

The scope of application

Applied to illumination of ship, port, dock, station and plaza etc.

Products characteristic

1. The lampshade is transparent toughened glass, the reflector is plate by chrome with high reflection efficiency.
2. The light body can rotate for 100° horizontally, adjust upside 90°,down 45°angle.

规格 Specifications

国际代码 International Code	型号 Type	电压 Voltage	功率 Power	灯头 Lamp holder	光源 Illuminant	光通量 Lm Luminous flux	材质 Material	防护等级 Protection class	电缆外径 Cable outside diameter	重量 Weight
792032	TG7	DC110V	450W	E40	自镇流汞灯泡 GYZ450 Self-ballast mercury bulb	11000	钢 Steel	IP55	Φ10-Φ12	11.56kg
	TG7-A	AC220V					铜 Brass			15.0kg

TG8、TG9 投光灯
SPOT LIGHT

适用范围

适用于中小型船舶探索、夜行、救生、水面作业等局部照明。

产品特点

灯具结构坚固、抗腐蚀、重量轻。

The scope of application

Applied to the partial illumination when searching, night navigation, lifesaving or water surface working for a middle- or small-ship.

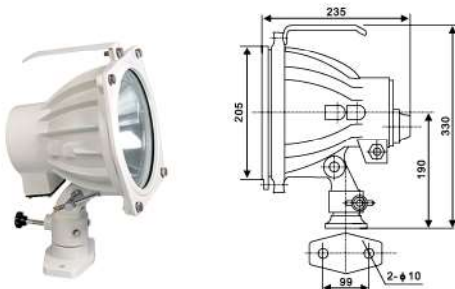
Products characteristic

The light is well-set, corrosive-resistant and light weight.

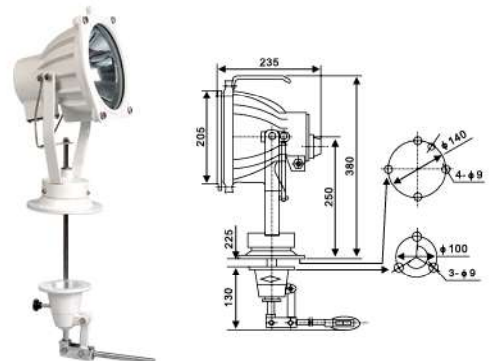
规格 Specifications

国际代码 International Code	型号 Type	电压 Voltage	功率 Power	灯头 Lamp holder	光源 Illuminant	光通量 Lm Luminous flux	材质 Material	防护等级 Protection class	电缆外径 Cable outside diameter	重量 Weight
792028 792029	TG8	12V/24V	100W/200W	G6.35	卤钨灯 Tungsten halogen light	2000/4500	铝 Aluminium	IP56	Φ10-Φ12	4.60kg
	TG9									6.05kg

投光灯 TG8
Spot light



投光灯 TG9
Spot light





TG8-L、TG8-ZL 投光灯

SPOT LIGHT

适用范围

适用于中小型船舶探索、夜行、救生、水面作业等局部照明。

产品特点

- 1、采用进口芯片，灯珠光通量在 120LM/W，寿命长，功耗低，显色指数大于 80，发光角度在 90°；
- 2、采用高导热系数的铝合金材料，温升小，阳极氧化或表面喷涂处理，能够防腐，端盖由铝合金高压压铸，高强度钢化玻璃，透光率高，耐移横击性好；
- 3、密封圈采用进口耐老化硅橡胶原料，防水防尘性能强悍。
- 4、灯具结构坚固、抗腐蚀、重量轻。

The scope of application

Applied to the partial illumination when searching, night navigation, lifesaving or water surface working for a middle- or small-ship.

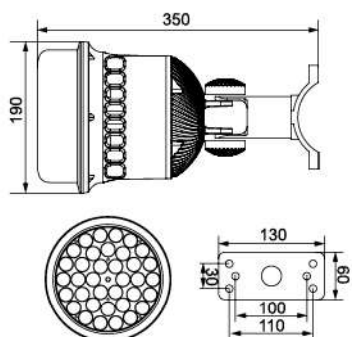
Products characteristic

- 1.The use of imported chips, lamp beads luminous flux in the 120LM / W, long life, low power consumption, color index greater than 80, light angle of 90 °;
- 2.The use of high thermal conductivity of aluminum alloy material, temperature rise, anodized or surface spray treatment, can enough anti-corrosion, the end cap from the aluminum alloy high-pressure die-casting, high-strength tempered glass, high transmittance,
- 3.The use of imported anti-aging silicone rubber raw materials, waterproof and dustproof performance tough.
4. The light is well-set, corrosive-resistant and light weight.

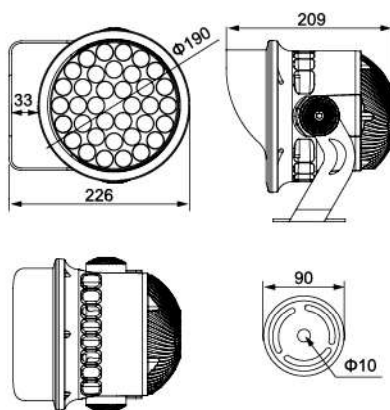
规格 Specifications

国际代码 International Code	型号 Type	电压 Voltage	功率 Power	光源 Illuminant	光通量 Lm Luminous flux	材质 Material	防护等级 Protection class	电缆外径 Cable outside diameter	重量 Weight
792028 792029	TG8-L	12V/24V	36W	LED	5000	铝 Aluminium	IP56	Φ10-Φ12	7.0kg
	TG8-ZL	12V/24V	36W		5000				6.5kg
	TG8-ZL	85~265V	72W		10000				10kg

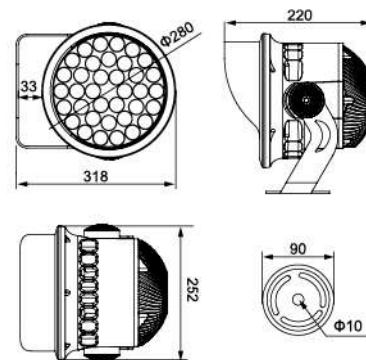
投光灯 TG8-L
Spot light

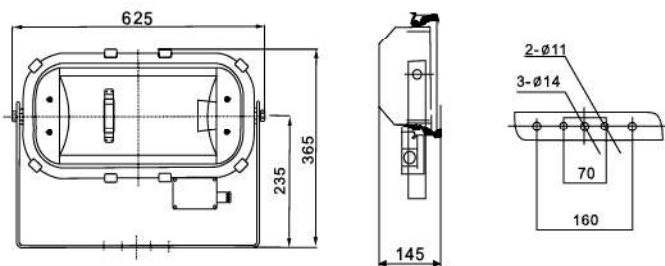


投光灯 TG8-ZL(24V/36W)
Spot light



投光灯 TG8-ZL(220V/72W)
Spot light





适用范围

适用于船舶、矿山、码头、建筑工地等处大面积照明。

产品特点

- 1、选用优质不锈钢制造而成，灯罩为钢化玻璃，高纯度铝质反光镜，反光效果好；
- 2、外观结构紧凑、美观，体积小，密封性能好，防腐性强，向上 90°，向下 45°角度调节。

The scope of application

Fit for large area illumination of ship, mine, wharf, building site etc.

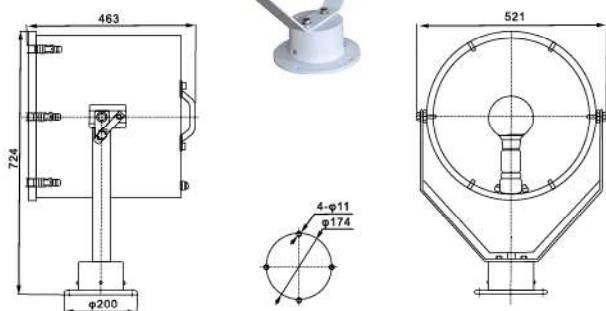
Products characteristic

1. Made of good stainless steel, the lampshade is made of toughened glass, and high-purity aluminium reflector, it has good reflecting effect.
2. Has compact structure and beauty appearance, small volume, Has fine seal function and anticorrosive performance, adjust up side 90°, down 45°angle.

规格 Specifications

型号 Type	电压 Voltage	功率 Power	灯头 Lamp holder	光源 Illuminant	光通量 Lm Luminous flux	材质 Material	防护等级 Protection class	电缆外径 Cable outside diameter	重量 Weight	附件 Annex
TG13	110V 60HZ 220V 50HZ 220V 60HZ	1000W	E40	高压钠灯 High-pressure sodium lamp 金属卤化物灯 Metal halide lamp	120000	不锈钢 Stainless steel	IP56	Φ12-Φ14	24.47kg	整流器 Ballast

TG14 投光灯 SPOT LIGHT



适用范围

适用于船舶、矿山、码头、建筑工地等处大面积照明。

产品特点

- 1、灯壳体下方设有调焦螺母，可调节灯光焦距；
- 2、灯罩为透明安全玻璃、球面钢化玻璃反光镜，能够发出光线集中的强光束；
- 3、灯体可水平旋转 180°，俯仰 30°。

The scope of application

Suitable for ships, mines, wharves, construction sites, large area lighting.

Products characteristic

1. A focusing nut is arranged below the lamp housing to adjust the focal length of the light
2. The lampshade is a transparent safety glass and a spherical toughened glass reflector, which can emit a strong beam of concentrated light.
3. The light body can rotate for 180° horizontally, and pitching 30°.

规格 Specifications

型号 Type	电压 Voltage	功率 Power	灯头 Lamp holder	光源 Illuminant	光通量 Lm Luminous flux	材质 Material	防护等级 Protection class	电缆外径 Cable outside diameter	重量 Weight
TG14	DC110V/AC220V	1000W	E40	白炽聚光灯泡 Incandescent focus bulb	17000	钢 Steel	IP56	Φ10-Φ12	19kg

TG16A、TG16B 搜索灯

SEARCH LIGHT

适用范围

适用于中、小型船舶夜间航行照明和厂矿、码头等处检修、警戒照明。

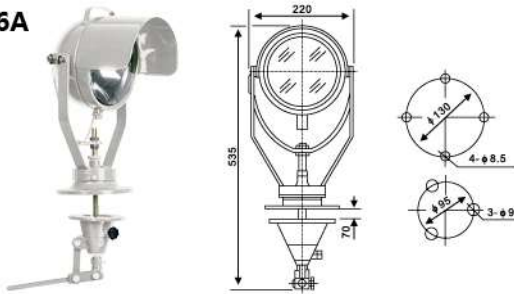
产品特点

体积小，操作灵活，壳体向上 90°，向下 45°调节。

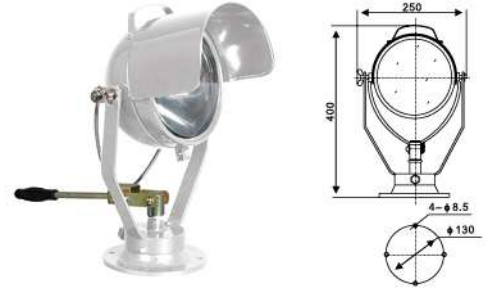
规格 Specifications

型号 Type	电压 Voltage	功率 Power	光通量 Lm Luminous flux	防护等级 Protection class	电缆外径 Cable outside diameter	重量 Weight
TG16A	12V/24V	100W	1600	IP45	Φ8	3.1kg
TG16B						3.1kg

搜索灯 TG16A
Search light

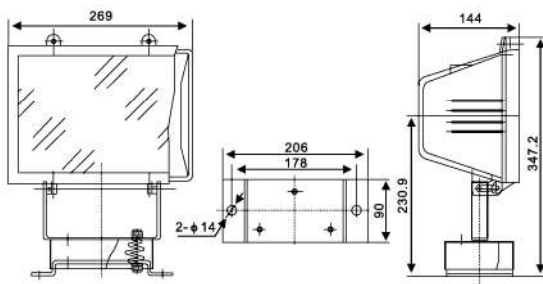


搜索灯 TG16B
Search light



TG17 投光灯

FLOOD LIGHT



适用范围

适用于各类船舶、码头、船坞、广场及隧道照明。

产品特点

1. 灯体采用铝精密压铸而成，粉末涂层，阳极化处理的高纯度铝质反射器，灯罩采用透明钢化玻璃；
2. 灯体密封性能好，防腐性强，向上 90°，向下 45°调节。

The scope of application

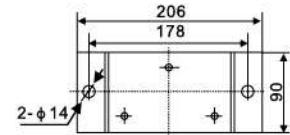
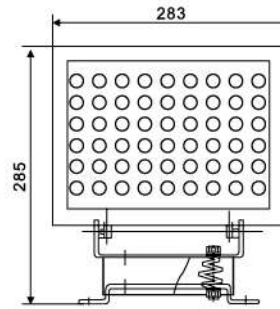
Applied to illumination of ship, charf, dock, plaza and tunnel.

Products characteristic

1. The light body adopts aluminum exact die-casting, powder coat, high-purit aluminum reflector of anodic disposal, the lampshade adopts transparent toughened glass.
2. The light body has the good sealed function, intensity corrosive-resisting, the shell can adjust upside 90° , down 45° .

规格 Specifications

型号 Type	电压 Voltage	功率 Power	灯头 Lamp holder	光源 Illuminant	光通量 Lm Luminous flux	材质 Material	防护等级 Protection class	电缆外径 Cable outside diameter	重量 Weight
TG17-A	110V/60Hz 220V/50Hz 220V/60Hz	200W	R7s	卤钨灯 Tungsten halogen light	3300	铝 Aluminium	IP56	Φ10-Φ12	1.45kg
		300W			4800				
		500W			8500				
		1000W			22000				4.0kg



产品特点

1. 灯具采用优质 LED 光源，寿命可达 50000 小时以上、节能、环保，发光率高且均匀等特点，灯珠光通量在 120LM/W，寿命长，功耗低，显色指数大于 80，发光角度在 120°；
2. 采用高导热系数的铝合金材料，温升小，阳极氧化或表面喷涂处理，能够防腐，端盖由铝合金高压压铸，高强度钢化玻璃，透光率高，耐移横击性好；
3. 密封圈采用进口耐老化硅橡胶原料，防水防尘性能强悍。
4. 灯具结构坚固、抗腐蚀、重量轻。
5. LED 驱动选用性能稳定的元器件，确保驱动电路寿命长，恒率电路设计，并设有短路、过载等电路保护，确保 LED 能长期稳定工作。

Products characteristic

1. It adopts good LED illuminant, the work life can be more than 50,000 hours. Energy-saving, high lighting and environment protection., lamp beads luminous flux in the 120LM / W, long life, low power consumption, color index greater than 80, light angle of 120°;
2. The use of high thermal conductivity of aluminum alloy material, temperature rise, anodized or surface spray treatment, can enough anticorrosion, the end cap from the aluminum alloy high-pressure die-casting, high-strength tempered glass, high transmittance,
3. The use of imported anti-aging silicone rubber raw materials, waterproof and dustproof performance tough.
4. The light is well-set, corrosive-resistant and light weight.
5. LED drive adopt stable performance components to ensure long life of the drive circuit, constant current circuit design, and there is a short circuit.

规格 Specifications

型号 Type	电压 Voltage	功率 Power	光源 Illuminant	光通量 Lm Luminous flux	材质 Material	防护等级 Protection class	电缆外径 Cable outside diameter	重量 Weight
TG17-L	85V~265V	50W	LED	5000	铝 Aluminium	IP56	Φ10-Φ12	5kg

TG18(TG11) 投光灯

FLOOD LIGHT

适用范围

适用于各类船舶、码头、船坞、广场及隧道照明。

产品特点

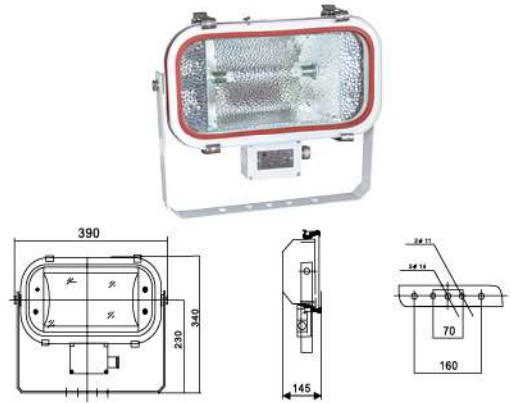
- 1、灯体采用不锈钢板拉伸而成，粉末涂层，阳极化处理的高纯度铝质反射器，灯罩采用透明钢化玻璃。
- 2、灯体密封性能好，防腐性强，壳体向上 90°，向下 45°调节。

The scope of application

Applied to illumination of ship, charf, dock, plaza and tunnel.

Products characteristic

1. The light body adopts stainless steel tensioned, powder coat, high-purity aluminum reflector of anodic disposal, the lampshade adopts transparent toughened glass.
2. The light body has the good sealed function, intensity corrosive-resisting, the shell can adjust upside 90°, down 45°.



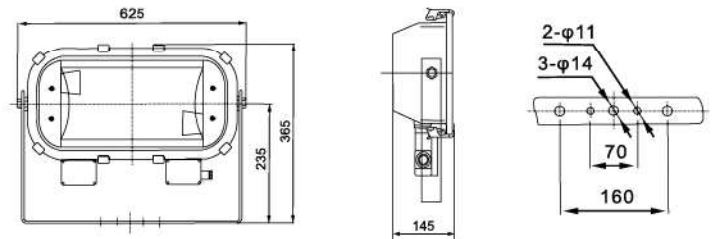
规格 Specifications

型号 Type	电压 Voltage	功率 Power	灯座 Lamp holder	光源 Illuminant	光通量 Lm Luminous flux	防护等级 Protection class	电缆外径 Cable outside diameter	重量 Weight	附件 Annex
TG18 (TG11)	110V/60HZ	200W	R7S	卤钨灯 Tungsten halogen light	3300	IP67	Φ12-Φ14	5.5kg	-
	220V/50HZ	300W			4800				
	220V/60HZ	500W			8500				

TG19 投光灯

FLOOD LIGHT

国际代码 :791823-791824
International Code



适用范围

适用于各类船舶、船坞、港口码头、堆货场和体育场等露天场所作投光照明用。

产品特点

- 1、选用优质不锈钢制造而成，灯罩为钢化玻璃，高纯度铝质反光镜，反光效果好；
- 2、外观结构紧凑、美观，体积小，密封性能好，防腐性强，向上 90°，向下 45°角度调节。

认证特点

- 1、经中国船级社“CSS”认可编号 00515Q20619R0M；
- 2、符合国际 IEC 规范和国家标准 GB7000.7-2005；
- 3、符合《钢质海船入级规范》。

规格 Specifications

型号 Type	电压 Voltage	功率 Power	灯座 Lamp holder	光源 Illuminant	光通量 Lm Luminous flux	防护等级 Protection class	电缆外径 Cable outside diameter	重量 Weight	附件 Annex
TG19	110V/60Hz 220V/50Hz 220V/60Hz	2×250W	E40	高压钠灯 High-pressure sodium lamp	26000	IP56	Φ12-Φ14	24.95kg	镇流器箱 Ballast-box
		2×400W		47000					
		2×250W		20500					
		2×400W		36000					

The scope of application

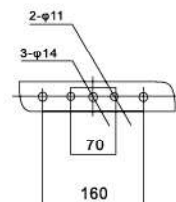
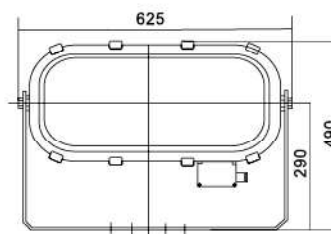
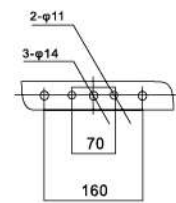
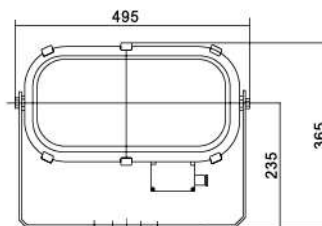
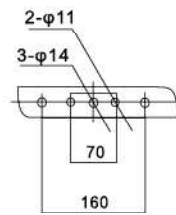
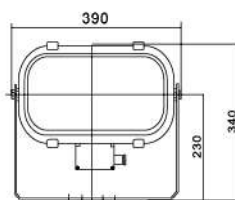
Fit for projecting illumination in outdoor place such as ship, dock port, storeplace and stadium.

Products characteristic

1. Made of good stainless steel, the lampshade is made of toughened glass, and high-purity aluminum reflector, it has good reflecting effect.
2. Has compact structure and beauty appearance, small volume, Has fine seal function and anticorrosive performance, adjust upside 90°, down 45°angle.

Production authentication

1. Approval by CCS(China Classification Society), certificate number 00515Q20619R0M.
2. Conform to international IEC Norm and National standard GB7000.7-2005.
3. Conform to 《GRADE ENTRY NORMS FOR STEEL SHIPS》.



适用范围

适用于各类船舶、船坞、港口码头、堆货场和石油平台等露天场所投光照明所用。

产品特点

- 1、该灯具外壳采用优质不锈钢板，强度高、腐蚀性能好；
- 2、灯具采用优质 LED 光源，寿命可达 50000 小时以上、节能、环保，发光率高且均匀等特点，灯珠光通量在 120LM/W，寿命长，功耗低，显色指数大于 80，发光角度在 120°；
- 3、LED 驱动选用性能稳定的元器件，确保驱动电路寿命长，恒率电路设计，并设有短路、过载等电路保护，确保 LED 能长期稳定工作。

认证特点

- 1、经中国船级社 "CCS" 认证，认证编号 00515Q20619R0M；
- 2、符合国际 IEC 规范和国家标准 GB7000.7-2005；
- 3、符合《钢质海船入级规范》。 4、专利号：ZL 2014 2 0804541.5。
- 5、经美国船级社 "ABS" 认证，认证编号 18-SQ1799333-PDA。

规格 Specifications

国际代码 International Code	型号 Type	电压 Voltage	功率 Power	灯座 Lamp holder	光源 Illuminant	光通量 Lm Luminous flux	防护等级 Protection class	电缆外径 Cable outside diameter	重量 Weight
791835	TG20	90V~270V	30W	LED	LED	3000	IP67	Φ9-Φ14	7KG
791836			50W			5000			10.6KG
791837			100W			10000			16.7KG

The scope of application

Fit for projecting illumination in outdoor place such as ship, dock port, storeplace and stadium.

Products characteristic

1. The shell is made of good stainless steel, with high strength and good corrosion resistance ;
2. It adopts good LED illuminant,the work life can be more than 50,000 hours. Energy-saving, high lighting and environment protection., lamp beads luminous flux in the 120LM / W, long life, low power consumption, color index greater than 80, light angle of 120°;
3. LED drive adopt stable performancnt components to ensure long life of the drive circuit, constant current circuit design,and there is a sbort circuit and overload circuit protection to ensure LED long term and stable work.

Production authentication

1. Approval by CCS(China Classification Society), certificate number 00515Q20619R0M.
2. Conform to international IEC Norm and National standard GB7000.7-2005.
3. Conform to 《GRADE ENTRY NORMS FOR STEEL SHIPS》 .
4. Patent No.: ZL 2014 2 0804541.5.
5. By the American Bureau of Shipping "ABS" certification, certificate number 18-SQ1799333-PDA

适用范围

适用于各类船舶、船坞、港口码头、堆货场和石油平台等露天场所投光照明所用。

产品特点

- 1、灯具采用优质 LED 光源，寿命可达 50000 小时以上、节能、环保，发光率高且均匀等特点，灯珠光通量在 120LM/W，寿命长，功耗低，显色指数大于 80，发光角度在 120°；
- 2、采用高导热系数的铝合金材料，温升小，阳极氧化或表面喷涂处理，能够防腐，端盖由铝合金高压压铸，高强度钢化玻璃，透光率高，耐移横击性好；
- 3、密封圈采用进口老化硅橡胶原料，防水防尘性能强悍。
- 4、灯具结构坚固、抗腐蚀、重量轻。
- 5、LED 驱动选用性能稳定的元器件，确保驱动电路寿命长，恒率电路设计，并设有短路、过载等电路保护，确保 LED 能长期稳定工作。

规格 Specifications

国际代码 International Code	型号 Type	电压 Voltage	功率 Power	光源 Illuminant	光通量 Lm Luminous flux	材质 Material	防护等级 Protection class	电缆外径 Cable outside diameter	重量 Weight
791835	TG21-150L	85V/265V	150W	LED	15000	铝 Aluminium	IP56	Φ10-Φ12	20kg
791836	TG21-600L		600W		60000				25kg
791837	TG21-1000L		1000W		100000				30kg

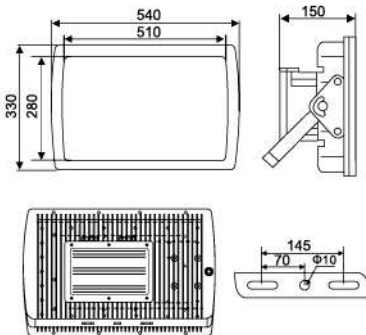
The scope of application

Suitable for all kinds of ships, docks, ports, cargo yards and oil platforms and other open places lighting.

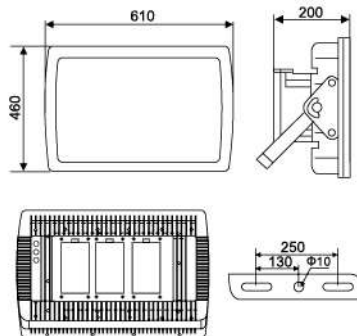
Products characteristic

1. The lamps and lanterns adopt high quality LED light source, applicable life more than 50000 hours, energy saving, environmental protection, high luminescence rate and uniform characteristics, lamp bead light flux in 110-120lm /W, long life, low power consumption, color rendering index greater than 80, luminous Angle in 30-60 degrees.
2. Aluminum alloy with high thermal conductivity, low temperature rise, anodic oxidation or surface spray treatment, anti-corrosion, the end cover by aluminum alloy high pressure die-casting, high strength toughened glass, high light transmittance, good resistance to transverse impact.
3. The sealing ring is made of imported aging resistant silicone rubber, with strong waterproof and dustproof performance.
4. Lamp structure is strong, anti - corrosion, light weight..
5. LED driver selects components with stable performance to ensure long driving circuit life, constant rate circuit design, short circuit and overload lamp circuit protection to ensure long term stable operation of LED.

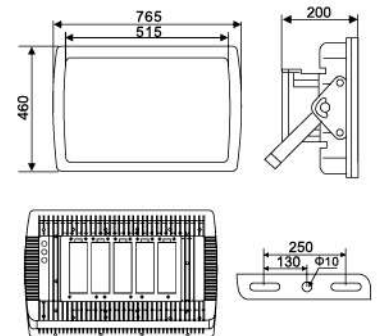
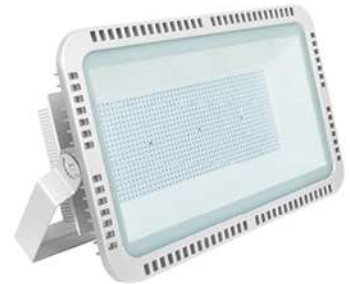
TG21-150L 投光灯
Spot light

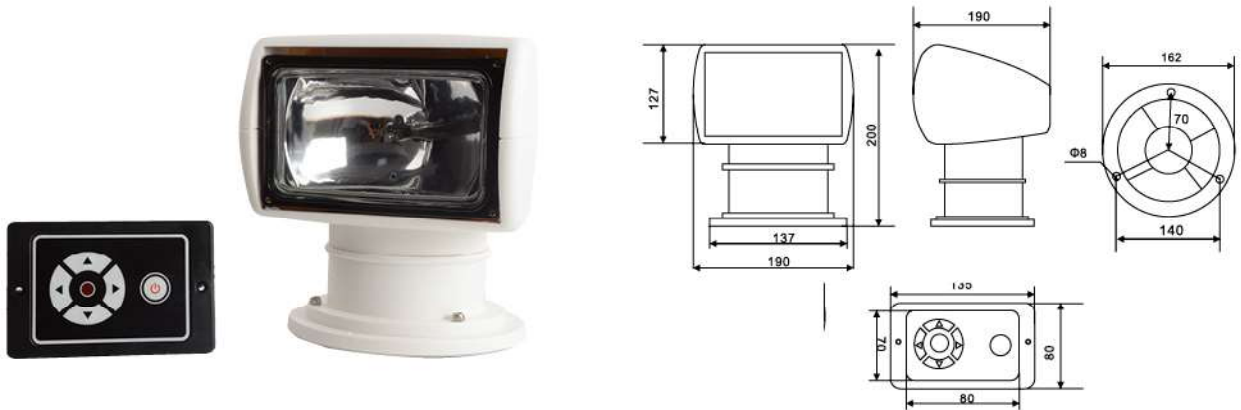


TG21-600L 投光灯
Spot light



TG21-1000L 投光灯
Spot light





产品用途

能够全方位、多角度、远距离照明。是游艇、海岸巡防、水上警察、渔船等水上作业强而有力的巨眼。

产品概述

静电的造型让游艇凸显高贵典雅的气质。融合了多种精密的光学技术，能提供高度聚光超白光的光源，更远的照明距离，如白昼般明亮的照明效果。外壳使用坚韧的热塑机体，抗氧化、抗冲击能力强。可在暴风雨等恶劣环境下正常工作。高质量高标准的制造要求使它们经久耐用，安全可靠。

照明亮度

100W 卤素灯泡，光通量 2300LM，色温：4300K

照明距离

聚光效果好，采用蓝钻石充气卤素灯泡，使发出的光显得更亮、对比度更强，照明亮度高，照明距离更远。光的颜色接近氙气灯，照射距离可达 800 米。并实现了冷热均能在瞬间启动亮点。

照明角度

可根据需要自由上下左右遥控旋转，带有防过度遥控电机保护装置，可 360 度左右旋转、72 度上下旋转，快速实现全方位、多角度照明的需要。

接线方法

全部安装妥后，红色线接电源正极，黑色线接电源负极。

注意事项

直流电源为 DC12V 或是 DC24V，其他电压的电瓶或是交流电源均不能使用。

主要技术参数

型号：TG25-A
电压：DC12V / DC24V
电流：3A/6A
整体尺寸：190*180*200mm
重量：2.6kg

The scope of application

Can omni-directional, multi - Angle, distance lighting. Is yacht, coast guard, water police, fishing boat light water operation powerful giant eye.

Products characteristics

With optimized housing design, the shell has good resistance on impact and oxidation. The product can use under harsh environment.

Illumination

100W halogen bulb, 2300LM, CCK: 4300K
The searchlight can rotate 360° horizontally and 72° vertically, the range up to 800 meters.

Connection method

The red wire connects with positive pole, the black wire connects with the negative pole of the power supply.

Parameters

Type: TG25-A
Voltage: DC12V / DC24V
Current: 3A / 6A
Size: 190*180*200
Weight: 2.6KG

TG26、TG27、TG28 探照灯

SEARCH LIGHT

适用范围

- 1、适用于船舶夜间航行作远距离搜索照明之用，尤其是通过狭窄航道、内河河道等比较复杂的水域时照射航道及两岸，水面搜索用；
- 2、经中国船级社 "CCS" 认证，认证编号 00515Q20619R0M。
- 3、经美国船级社 "ABS" 认证，认证编号 18-SQ1799333-PDA。

产品特点

- 1、壳体采用优质不锈钢板模压成型，优质不锈钢支架，优质钢化玻璃灯罩，优质铸铜底座；
- 2、灯具可通过操纵杆仰俯 $\pm 30^\circ$ ，水平 350° 调节，配操纵杆；
- 3、平行的光束，射程远，光照集中；
- 4、符合《钢质海船入级规范》。

规格 Specifications

型号 Type	电压 Voltage	功率 Power	光通量 Lm Luminous flux	灯座 Lamp holder	光源 Illuminant	电缆外径 Cable outside diameter	防护等级 Protection class	重量 Weight
TG26	24V	250W	5600	G6.35	卤钨灯 Tungsten halogen light	$\Phi 10-\Phi 12$	IP56	20.5kg
		300W	6900	GY9.5				
		500W	12500					
TG27	220V/50Hz	1000W	23000	GX9.5	卤钨灯 Tungsten halogen light	$\Phi 10-\Phi 12$	IP56	20kg
TG28	220V/60Hz	2000W	53000	GY16				31.5kg

The scope of application

1. Applied to far distance illumination and searching when night navigation, especially for illumination of sea-route and two banks and surface search when accross the complex water area, such as narrow channel and the inland river riverway etc.
2. Approval by CCS(China Classification Society), certificate number 00515Q20619R0M.
3. By the American Bureau of Shipping "ABS" certification, certificate number 18-SQ1799333-PDA

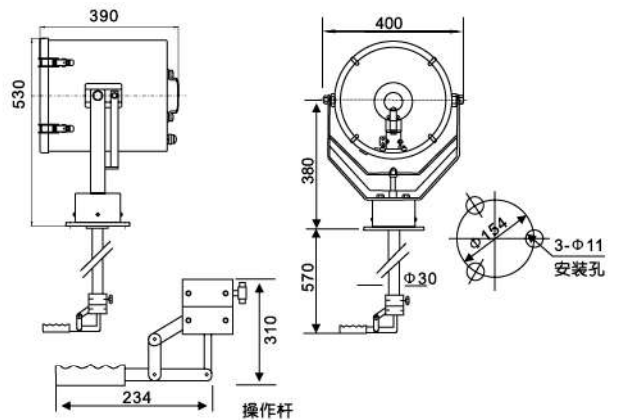
Products characteristic

1. The shell is made of good quality stainless steel, has good quality stainless steel bracket, good quality toughened glass lampshade, high quality brass base.
2. The lamp bend for $+30^\circ$ degrees by joy stick, adjust 350° degrees horizontally, equipped joy stick.
3. Parallel light-beam, far illumination distance, concentrated light.
4. Conform to 《GRADE ENTRY NORMS FOR STEEL SHIPS》.

TG26、TG27 探照灯

Searchlight

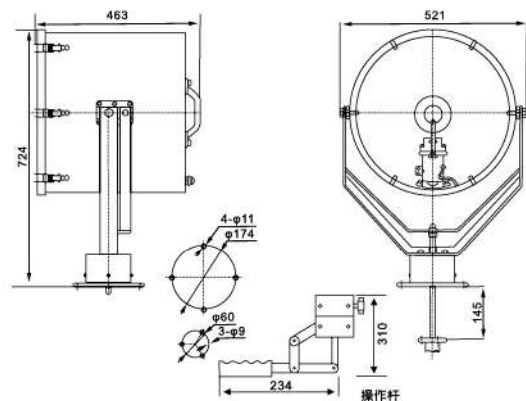
国际代码 International Code:
TG27 370481-370482 1000W



TG28 探照灯

Searchlight

国际代码 International Code:
TG28 370481-370482 2000W



适用范围

- 1、灯体采用优质不锈钢板模压成型，优质不锈钢支架，优质钢化玻璃灯罩，优质铸铜底座；
- 2、灯具可向上 20°，向下 50°，水平 350°旋转；
- 3、平行的光束，射程远，光照集中；
- 4、符合《钢质海船入级规范》。
- 5、经美国船级社“ABS”认证，认证编号 18-SQ1799333-PDA。

The scope of application

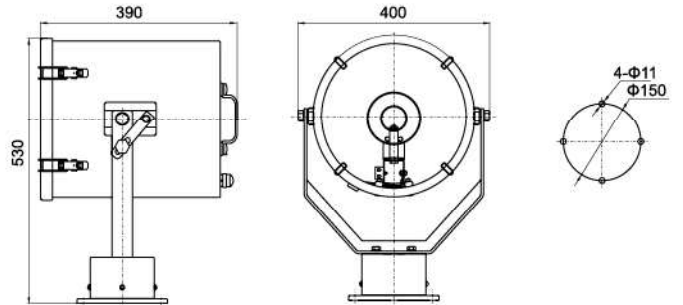
1. The lamp body is made of good quality stainless steel, has good quality stainless steel bracket, good quality toughened glass lamps-hade, high quality brass base.
2. The lamp can adjust up 20°, down 50°, 350° horizontally.
3. Parallel light-beam, far illumination distance, concentrated light.
4. Conform to 《GRADE ENTRY NORMS FOR STEEL SHIPS》.
5. By the American Bureau of Shipping "ABS" certification, certificate number 18-SQ1799333-PDA.

规格 Specifications

型号 Type	电压 Voltage	功率 Power	光通量 Lm Luminous flux	灯座 Lamp holder	光源 Illuminant	电缆外径 Cable outside diameter	防护等级 Protection class	重量 Weight
TG26-B	220V/50Hz 220V/60Hz	300W	6900	GY9.5	卤钨灯 Tungsten halogen light	Φ10-Φ12	IP56	16.5kg
		500W	12500					
TG27-B		1000W	23000	GX9.5				16.5kg
TG28-B		2000W	53000	GY16				

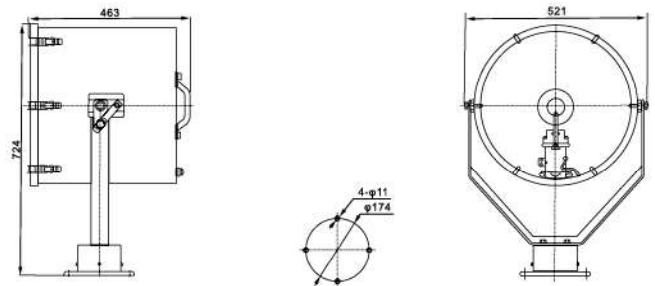
TG26-B、TG27-B 探照灯
Searchlight

国际代码 International Code:
TG27-B 370481-370482 1000W



TG28-B 探照灯
Searchlight

国际代码 International Code:
TG28-B 370481-370482 2000W



TG26-A、TG27-A、TG28-A 无线遥控探照灯

WIRELESS REMOTE CONTROL SEARCH LIGHT

适用范围

- 1、适用于船舶夜间航行作远距离搜索照明之用，尤其是通过狭窄航道、内河河道等比较复杂的水域时照射航道及两岸，水面搜索用；
- 2、经中国船级社 "CCS" 认证，认证编号 00515Q20619R0M。
- 3、经美国船级社 "ABS" 认证，认证编号 18-SQ1799333-PDA。

产品特点

- 1、壳体采用优质不锈钢板冲压成型，优质不锈钢支架，优质钢化玻璃灯罩，优质 304 不锈钢底座，选用进口电机；
- 2、灯具可通过操纵杆箱向上 20°，向下 50°，水平 350°远距离调节，配操纵杆箱；
- 3、平行的光束，射程远，光照集中；
- 4、符合《钢质海船入级规范》；
- 5、产品具有无线遥控功能，能无线 100 米控制操作灯总成，领先国内同行水平，并通过产品设计专利。
- 6、专利号：ZL 201420804513.3。

The scope of application

1. Applied to far distance illumination and searching when night navigation, especially for illumination of sea-route and two banks and surface search when across the complex water area, such as narrow channel and the inland river riverway etc.
2. Approval by CCS(China Classification Society), certificate number 00515Q20619R0M.
3. By the American Bureau of Shipping "ABS" certification, certificate number 18-SQ1799333-PDA.

Products characteristic

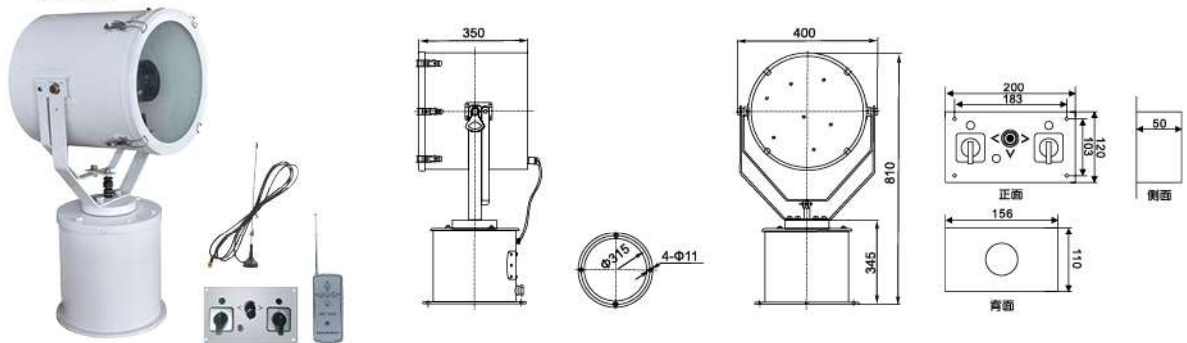
1. The shell is made of good quality stainless steel, has good quality stainless steel bracket, good quality toughened glass lampshade, high quality stainless steel 304 base, adopt import electrical machine.
2. The lamp can adjust up 20°, down 50° by operating box, adjust far distance of 350° horizontally, equipped operating box.
3. Parallel light-beam, far illumination distance, concentrated light.
4. Conform to 《GRADE ENTRY NORMS FOR STEEL SHIPS》.
5. Products with wireless remote control, can control the operation of the wireless 100 m lamp assembly, the leading domestic Line level, and through product design patents.
6. Patent No.: ZL 201420804513.3.

规格 Specifications

型号 Type	电压 Voltage	功率 Power	光通量 Lm Luminous flux	灯座 Lamp holder	光源 Illuminant	电缆外径 Cable outside diameter	防护等级 Protection class	重量 Weight
TG26-A	220V/50Hz	300W	6900	GY9.5	卤钨灯 Tungsten halogen light	Φ10-Φ12	IP56	40kg
TG27-A		500W	12500					40kg
TG28-A	220V/60Hz	1000W	23000	GX9.5		Φ14-Φ16		60kg

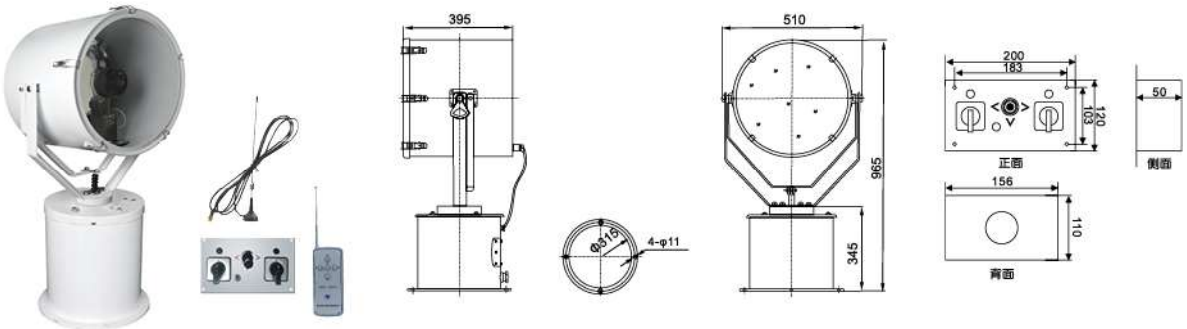
TG26-A、TG27-A 探照灯

Searchlight



TG28-A 探照灯

Searchlight



适用范围

适用于船舶夜航、救生、警戒等远距离照明和目标搜索。

产品特点

- 1、内部装有球面钢化玻璃反光镜和焦距调节装置，能够上下、前后灵活调节焦距，具有发光强度高、照明距离远的优点；
- 2、TZ1 钢质外壳，底座上装有滚珠板，并配有升降装置，可以手动控制灯体水平旋转 350°，俯仰 30°，DC110V 供电时，配电器箱，订货时请注明。
- 3、TZ1-A 为不锈钢质外壳，底座内部装有微型电机，能够通过控制器操纵灯体水平旋转 350°，俯仰 30°。
- 4、专利号：ZL 201420804513.3。
- 5、经美国船级社“ABS”认证，认证编号 18-SQ1799333-PDA。

规格 Specifications

型号 Type	电压 Voltage	功率 Power	灯头 Lamp holder	光源 Illuminant	光通量 Lm Luminous flux	防护等级 Protection class	电缆外径 Cable outside diameter	重量 Weight	附件 Annex
TZ1(手动型) Manual type	DC110V	1000W	专用 For special use	球型汞氙灯 Sphericity mercury xenon light	60000	IP55	Φ10-Φ12	58kg	升降杆 Lifter 镇流器 Ballast
TZ1-A(自动型) Automatic type	AC220V			球型汞氙灯 Sphericity mercury xenon light	60000	IP55	Φ10-Φ12	97kg	控制器 Controller 镇流器 Ballast

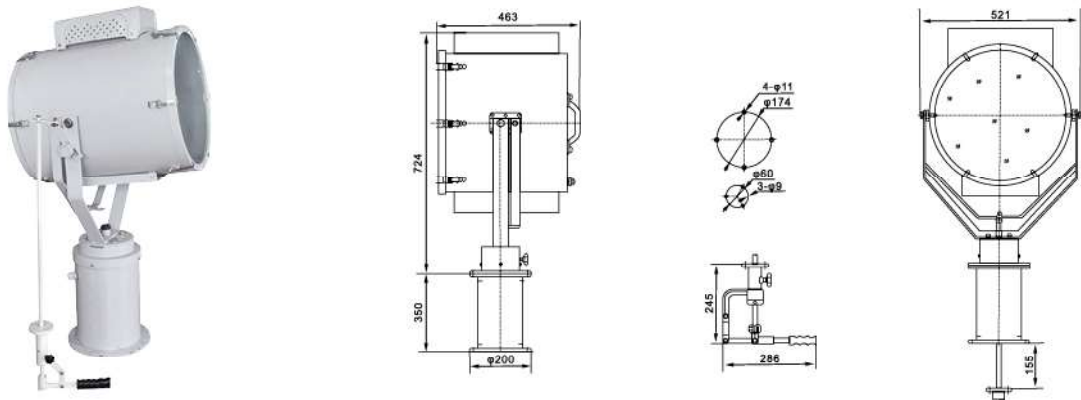
The scope of application

Applied to remote illumination of ship night navigation, lifesaving, warning etc, and aim searching.

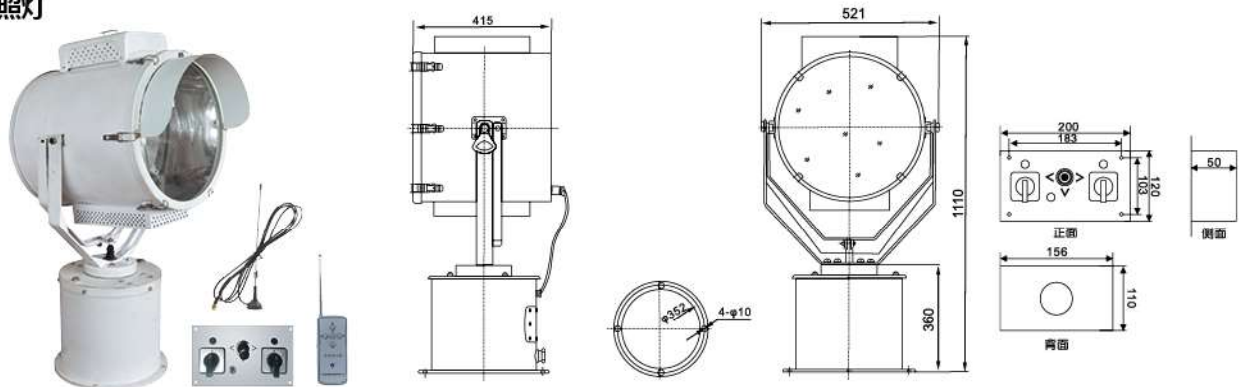
Products characteristic

1. Equipped the sphere toughened glass reflector and the device of focus adjustment which can adjust the focus up and down, front and back neatly, and has the functions such as high luminous intensity, far illumination distance.
2. TZ1 Has steel shell, ball plate mounted on base, also equipped with lifting gear which can control the light body by hand to rotate for 350° horizontally and pitching 30°. Equipped the electrical box when supply DC110V please remark clearly when order.
3. TZ1-A Has stainless steel shell, a micro motor is mounted on base, and can operate the light body to rotate for 350° horizontally and pitching 30° by controller.
4. Patent No.: ZL 201420804513.3.
5. By the American Bureau of Shipping "ABS" certification, certificate number 18-SQ1799333-PDA

TZ1 探照灯
Searchlight



TZ1-A 探照灯
Searchlight



TZ2、TZ3、TZ4、TZ2-A、TZ3-A、TZ4-A 无线遥控探照灯

WIRELESS REMOTE CONTROL SEARCH LIGHT

适用范围

适用于船舶夜航、救生、警戒等远距离照明和目标搜索。

产品特点

- 1、内部装有球面钢化玻璃反光镜和焦距调节装置，能够上下、前后灵活调节焦距，具有发光强度高、照明距离远的特点；
- 2、TZ2 为不锈钢外壳，底座上装有滚珠板，并配有升降装置，可以手动控制灯体水平旋转 350°，俯仰 30°，DC110V 供电时，配电器箱，订货时请注明。
- 3、TZ2-A 为不锈钢质外壳，底座内部装有微型电机，能够通过控制器操纵灯体水平旋转 350°，俯仰 30°。增加遥控聚焦功能，转速有快慢档切换，方便精准照射目标；
- 4、内设两个排风系统，有效降低灯温度。
- 5、专利号：ZL 2014 2 0804513.3、ZL 2015 2 0410378.9
ZL 2015 2 0410358.1、ZL 2015 2 0410386.3。
- 6、经美国船级社“ABS”认证，认证编号 18-SQ1799333-PDA。

The scope of application

Applied to remote illumination of ship night navigation, lifesaving, warning etc, and aim searching.

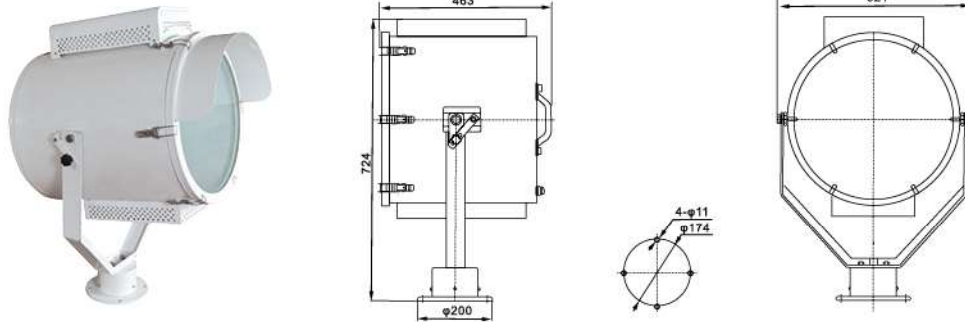
Products characteristic

1. Equipped the sphere toughened glass reflector and the device of focus adjustment which can adjust the focus up and down, front and back neatly, and has the functions such as high luminous intensity, far illumination distance.
2. TZ2 Has stainless steel shell, ball plate mounted on base, also equipped with lifting gear which can control the light body by hand to rotate for 350° horizontally and pitching 30°. Equipped the electrical box when supply DC110V please remark clear when order.
3. TZ2-A Has stainless steel shell, a micro motor is mounted on base, and can operate the light body to rotate for 350° horizontally and pitching 30° by controller, with the remote control focus function, with two type (fast/slow) rotating speed can be choose, which is convenient for irradiating target accurately.
4. With two independent exhaust system inside, effectively for reducing the temperature of the lamp.
5. Patent No.: ZL 2014 2 0804513.3, ZL 2015 2 0410378.9
ZL 2015 2 0410358.1, ZL 2015 2 0410386.3.
6. By the American Bureau of Shipping "ABS" certification, certificate number 18-SQ1799333-PDA

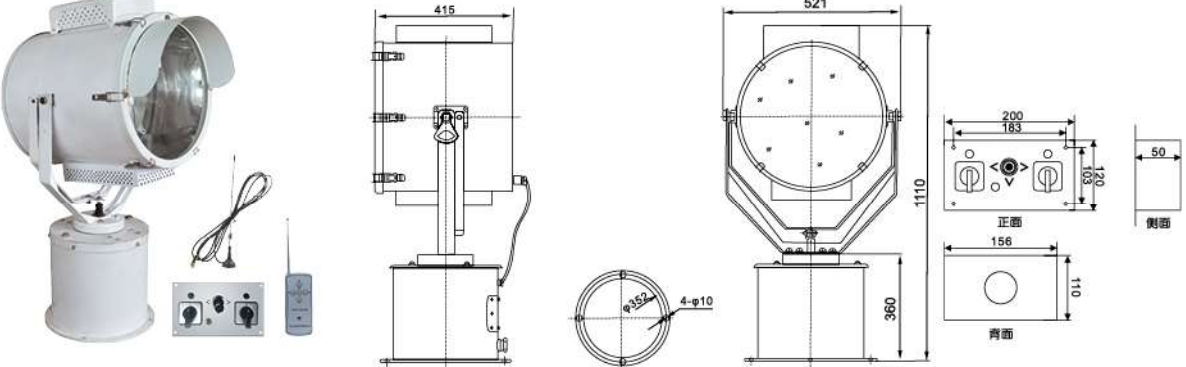
规格 Specifications

型号 Type	电压 Voltage	功率 Power	灯头 Lamp holder	光源 Illuminant	光通量 Lm Luminous flux	防护等级 Protection class	电缆外径 Cable outside diameter	重量 Weight	附件 Annex
TZ2(手动型) Manual type	DC110V AC220V	2000W	专用 For special use	球型汞氙灯 Sphericity mercury xenon light	120000	IP55	Φ10-Φ12	57.49kg	镇流器 Ballast
TZ2-A(自动型) Automatic type					120000		Φ10-Φ12	96kg	控制器 Controller 镇流器 Ballast
TZ3(手动型) Manual type		3000W	G38	卤钨灯 Tungsten halogen light	52800		Φ14-Φ16	47kg	-
TZ3-A(自动型) Automatic type					52800		Φ14-Φ16	78kg	控制器 Controller
TZ4(手动型) Manual type		3000W	专用 For special use	球型汞氙灯 Sphericity mercury xenon light	180000		Φ10-Φ12	58kg	镇流器 Ballast
TZ4-A(自动型) Automatic type					180000		Φ10-Φ12	98kg	控制器 Controller 镇流器 Ballast

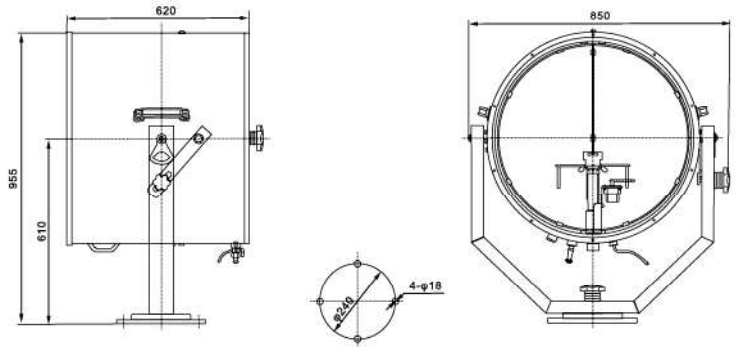
**TZ2
TZ3
TZ4
探照灯**
Searchlight



**TZ2-A
TZ3-A
TZ4-A
探照灯**
Searchlight



国际代码 International Code:370501-370513



适用范围

适用于 30000 . SC . G . T 以下船舶在苏伊士运河及狭窄航道、夜航和对水面障碍物等进行搜索照明用。

产品特点

- 1、灯体全部采用优质铝合金制作，重量轻，优质钢化玻璃灯罩；
- 2、双灯泡结构设计，内装转换开关，可在未断电的情况下进行灯泡间的切换；
- 3、两个半球形反光镜，可在 $\pm 5^\circ$ 的水平范围内张合来调节反光效果；
- 4、灯筒下面设有安全排气阀，可保证灯筒内外气压平衡；
- 5、灯具可仰俯 $\pm 30^\circ$ ，水平 $\pm 180^\circ$ 调节；
- 6、平行的光束，射程远；
- 7、符合《钢质海船入级规范》和《苏伊士运河航行规则》要求。
- 8、专利号：201520694772.X
- 9、经美国船级社“ABS”认证，认证编号 18-SQ1799333-PDA。

主要技术参数

- ◆ 电压：220V/50Hz、220V/60Hz
- ◆ 光源：卤钨灯
- ◆ 灯座：GY16
- ◆ 功率：2000W / 3000W
- ◆ 光通量：53000lm
- ◆ 照射距离： $\geq 1800\text{m}$
- ◆ 防护等级：IP56
- ◆ 电缆外径： $\Phi 14 \sim \Phi 16$
- ◆ 重量：65.8kg

The scope of application

Applied to illuminations of ship pass through the suez canal and the narrow sea-route when night navigation, can search and illuminate the obstacle on the surface.

Products characteristic

1. The lamp body adopts good quality aluminium alloy, the weight is light, good quality toughened glass lampshade.
2. Design with two bulbs structure, has rotary switch inside, can change between the bulbs under the electricity.
3. Two hemisphere reflector, can adjust the reflect effect between the $+ 50$ horizontally on.
4. Equipped safe vent-valve under the lamp canister, can ensure the air pressure balance in and out the lamp canister.
5. The lamp can bend for $\pm 30^\circ$, adjust $\pm 180^\circ$ horizontally.
6. Parallel light-beam, far illumination distance.
7. Conform to 《GRADE ENTRY NORMS FOR STEEL SHIPS》 and the request of 《SUEZ CANAL NAVIGATION RULES》.
8. Patent No.: 201520694772.X
9. By the American Bureau of Shipping "ABS" certification, certificate number 18-SQ1799333-PDA

Main technical parameter

- ◆ Voltage: 220V/50Hz. 220V/60Hz
- ◆ Illuminant: Tungsten halogen light
- ◆ Lamp holder: GY16
- ◆ Power: 2000W / 3000W
- ◆ Luminous flux: 53000lm
- ◆ Irradiate distance: $\geq 1800\text{m}$
- ◆ Protection Class: IP56
- ◆ Cable outside diameter: $\Phi 14 \sim \Phi 16$
- ◆ Weight: 65.8kg



TZ6、TZ6-A 无线遥控探照灯

WIRELESS REMOTE CONTROL SEARCH LIGHT

适用范围

适用于船舶、舰艇、夜间航行作远距离探索照明用，尤其是通过狭窄航道、内河河道等比较复杂的水域时照射航道及两岸，水面搜索用；同时适用于码头、建筑工地、堆货场等露天场所做投光照明。

产品特点

1. 灯具能即开即亮，打开后能即时达到正常亮度，关掉后能马上熄灭。
2. 灯具采用 75 颗 4W LED 灯珠，整灯功率低却优于 2000W 卤钨灯的照射距离及效果，照射距离 1000 米以上，光强高达 240 万 cd。
3. 光源采用优质 LED 光源，寿命长达 5 万小时。
4. LED 驱动选用性能稳定的元器件，确保驱动电路寿命长，恒流电路设计，并设有短路、过载等电路保护，确保 LED 能长期稳定工作。
5. 灯具内设有两个排风系统，有效降低散热器温度，内部装有温控器，防止散热器过热，保证了灯珠的使用寿命
6. 低能耗，高度节能环保、抗震、防腐、防水、光源寿命超长，光线高度集中，照射距离超远。
7. LED 灯珠、驱动电源的更换维护，维修都十分方便。
8. 灯体可通过手柄仰俯 ± 30 度，水平 350 度自动调节。
9. 专利号：ZL 201721434731.2 ZL 201721433251.4

采用标准

GB7000.1(IEC 60598-1)、GB7000.7(IEC 60598-2-5)、GD01 等标准。

规格 Specifications

型号 Type	电压 Voltage	功率 Power	光源 Illuminant	光通量 Lm Luminous flux	可见距离 Visible distance	色温 Color Temp	防护等级 Protection class	电缆外径 Cable outside diameter	重量 Weight	附件 Annex
TZ6(手动型) Manual type	100~240V	300W	LED 白色 White	45000LM	1000m	5500k	IP55	Φ10-Φ12	30kg	-
TZ6-A(自动型) Automatic type									60kg	控制器 Controller

The scope of application

Applied to far distance illumination and searching when in night navigation, especially for illumination of sea-route and two banks and surface search when across the complex water area, such as narrow channel and the inland river way etc. It can also fit for the projecting illumination in out door place such as ship, dock port, store place and stadium.

Products characteristic

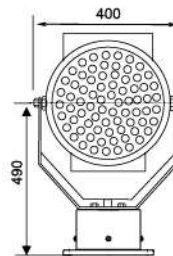
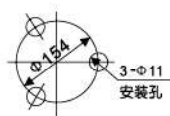
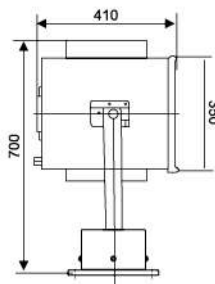
1. The light will get up to normal brightness immediately when it is on, and it will quench at once when it is turned off.
2. The lights adopts 75pcs 4W LED lamp. The light power is low but the illumination distance and effect are better than 1000W Tungeten halogen lights. Light intensity can as high as 2400,000 cd.
3. Illuminant adopt high quality illuminant, working life as long as 50,000 hours.
4. The LED starter has stabled components, to assure that thr circuit has a long life time, and it has the protection for the short circuit and over load, to assure that the LED light work for long term.
5. With two independent exhaust system,Effectively reduce the radiator temperature,Built in temperature controller,Prevent radiator overheating,To ensure the service life of the lamp
6. Low-energy, High energy conservation and environmental protection, Shock-proof, anit-corrosion, water-proof, super long illuminant working life.
7. LED lamp , drive power supply replacement maintenance convenience.
8. Light body can handle pitch bu ± 30 degress, 350 degress horizontal automatic adjustment.
9. Patent No.: ZL 201721434731.2 ZL 201721433251.4

Standard adopted

GB7000.1(IEC 60598-1)、GB7000.7(IEC 60598-2-5)、GD01 etc.

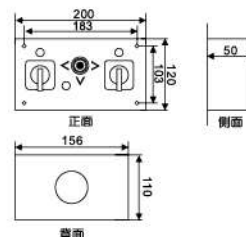
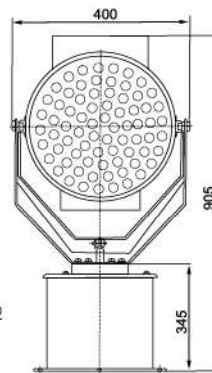
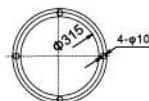
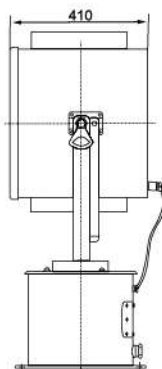
TZ6 探照灯

Searchlight



TZ6-A 探照灯

Searchlight





适用范围

适用于船舶、舰艇、夜间航行作远距离探索照明用，尤其是通过狭窄航道、内河河道等比较复杂的水域时照射航道及两岸，水面搜索用；同时适用于码头、建筑工地、堆货场等露天场所做投光照明。

产品特点

1. 灯具能即开即亮，打开后能迅速达到正常亮度，关掉后能马上熄灭。
2. 灯具采用激光光源加 LED 光源组合使用，72 颗 4W LED 灯珠，整灯功率低却优于 2000W 卤钨灯的照射距离及效果，照射距离 2000 米以上，光强高达 240 万 cd，光源采用优质 LED 光源，寿命长达 5 万小时。
4. LED 驱动选用性能稳定的元器件，确保驱动电路寿命长，恒流电路设计，并设有短路、过载等电路保护，确保 LED 能长期稳定工作。
5. 灯具内设有两个排风系统，有效降低散热器温度，内部装有温控器，防止散热器过热，保证了灯珠的使用寿命
6. 低能耗，高度节能环保、抗震、防腐、防水、光源寿命超长，光线高度集中，照射距离超远。
7. LED 灯珠、驱动电源的更换维护，维修都十分方便。
8. 灯体可通过手柄仰俯 ± 30 度，水平 350 度自动调节。
9. 专利号：ZL 201721434731.2 ZL 201721433251.4

采用标准

GB7000.1(IEC 60598-1)、GB7000.7(IEC 60598-2-5)、GD01 等标准。

规格 Specifications

The scope of application

Applied to far distance illumination and searching when in night navigation, especially for illumination of sea-route and two banks and surface search when across the complex water area, such as narrow channel and the inland river way etc. It can also fit for the projecting illumination in out door place such as ship, dock port, store place and stadium.

Products characteristic

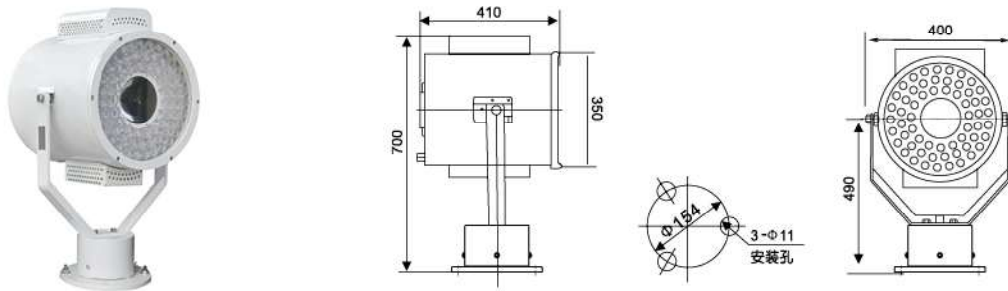
1. The light will get up to normal brightness immediately when it is on, and it will quench at once when it is turned off.
2. The lamp uses a combination of a laser light source and an LED light source. 72 4W LED lamp beads have a low power but are better than the irradiation distance and effect of a 2000W halogen lamp. Using high-quality LED light source, the life is up to 50,000 hours.
3. Illuminant adopt high quality illuminant, working life as long as 50,000 hours.
4. The LED starter has stabled components, to assure that thr circuit has a long life time, and it has the protection for the short circuit and over load, to assure that the LED light work for long term.
5. With two independent exhaust system,Effectively reduce the radiator temperature,Built in temperature controller,Prevent radiator overheating,To ensure the service life of the lamp
6. Low-energy, High energy conservation and environmental protection, Shock-proof, anit-corrosion, water-proof, super long illuminant working life.
7. LED lamp , drive power supply replacement maintenance convenience.
8. Light body can handle pitch bu ± 30 degrees, 350 degrees horizontal automatic adjustment.
9. Patent No.: ZL 201721434731.2 ZL 201721433251.4

Standard adopted

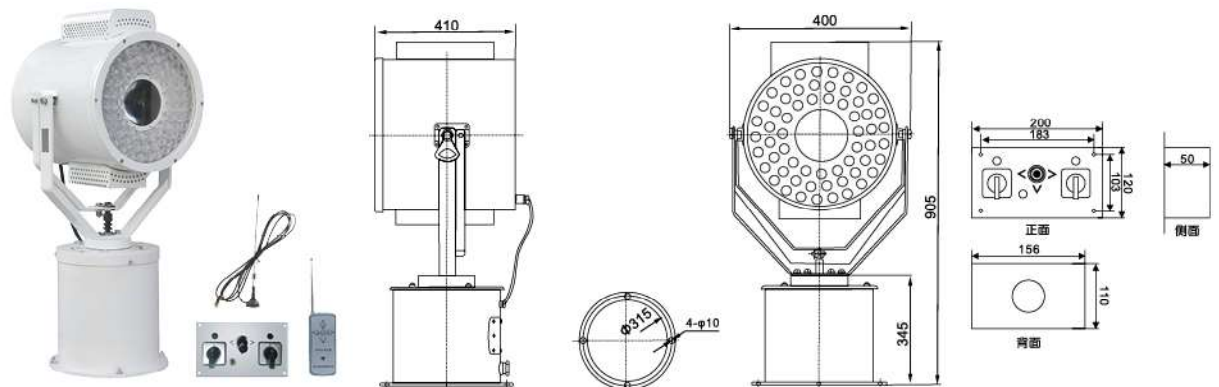
GB7000.1(IEC 60598-1), GB7000.7(IEC 60598-2-5), GD01 etc.

型号 Type	电压 Voltage	激光功率 Laser power	LED 功率 Power	光通量 Lm Luminous flux	可见距离 Visible distance	色温 Color Temp	防护等级 Protection class	电缆外径 Cable outside diameter	重量 Weight	附件 Annex
TZ7(手动型) Manual type	100~ 240V	240W	140W	90000LM	2000m	5500k	IP55	Φ10-Φ12	31kg	-
TZ7-A(自动型) Automatic type									61kg	控制器 Controller

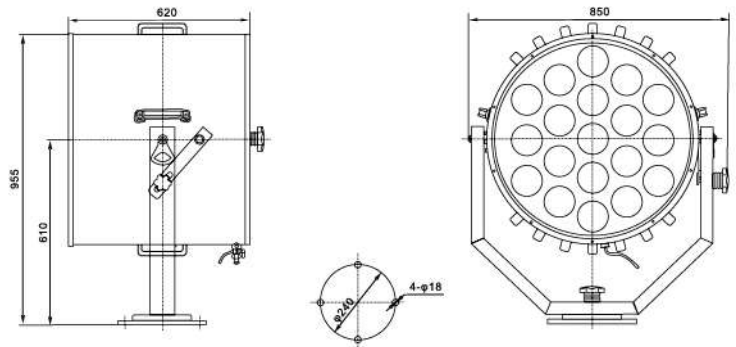
TZ7 探照灯 Searchlight



TZ7-A 探照灯 Searchlight



国际代码 International Code:370501-370513



适用范围

适用于 30000 . SC . G . T 以下船舶在苏伊士运河及狭窄航道、夜航和对水面障碍物等进行搜索照明用。

The scope of application

Applied to illuminations of ship pass through the suez canal and the narrow sea-route when night navigation, can search and illuminate the obstacle on the surface.

产品特点

- 1、灯体全部采用优质铝合金制作，重量轻，优质钢化玻璃灯罩；
- 2、灯具采用 19 颗 30W LED 灯珠，整灯功率低却优于 3000W 卤钨灯的照射距离及效果，照射距离 2000 米以上，光强高达 240 万 cd。
- 3、光源采用优质 LED 光源，寿命长达 5 万小时。
- 4、LED 驱动选用性能稳定的元器件，确保驱动电路寿命长，恒流电路设计，并设有短路、过载等电路保护，确保 LED 能长期稳定工作。
- 5、灯筒下面设有安全排气阀，可保证灯筒内外气压平衡；
- 6、灯具可仰俯 $\pm 30^\circ$ ，水平 $\pm 180^\circ$ 调节；
- 7、平行的光束，射程远；
- 8、符合《钢质海船入级规范》和《苏伊士运河航行规则》要求。
- 9、专利号：201520694772.X
- 10、经美国船级社“ABS”认证，认证编号 18-SQ1799333-PDA。

Products characteristic

1. The lamp body adopts good quality aluminium alloy, the weight is light, good quality toughened glass lampshade.
2. The lights adopts 19pcs 30W LED lamp. The light power is low but the illumination distance and effect are better than 3000W Tungsten halogen lights. Light intensity can as high as 2400,000 cd.
3. Illuminant adopt high quality illuminant, working life as long as 50,000 hours.
4. The LED starter has stabled components, to assure that thr circuit has a long life time, and it has the protection for the short circuit and over load, to assure that the LED light work for long term.
5. Equipped safe vent-valve under the lamp canister, can ensure the air pressure balance in and out the lamp canister.
6. The lamp can bend for $\pm 30^\circ$, adjust $\pm 180^\circ$ horizontally.
7. Parallel light-beam, far illumination distance.
8. Conform to 《GRADE ENTRY NORMS FOR STEEL SHIPS》and the request of 《SUEZ CANAL NAVIGATION RULES》.
9. Patent No.: 201520694772.X
10. By the American Bureau of Shipping "ABS" certification, certificate number 18-SQ1799333-PDA

主要技术参数

- ◆ 电压：85~265V
- ◆ 光源：LED
- ◆ 功率：500W
- ◆ 光通量：60000lm
- ◆ 照射距离： $\geq 2000\text{m}$
- ◆ 防护等级：IP56
- ◆ 电缆外径： $\Phi 14\sim\Phi 16$
- ◆ 重量：48kg

Main technical parameter

- ◆ Voltage: 85~265V
- ◆ Illuminant: LED
- ◆ Power: 500W
- ◆ Luminous flux: 60000lm
- ◆ Irradiate distance: $\geq 2000\text{m}$
- ◆ Protection Class: IP56
- ◆ Cable outside diameter: $\Phi 14 \sim \Phi 16$
- ◆ Weight: 48kg

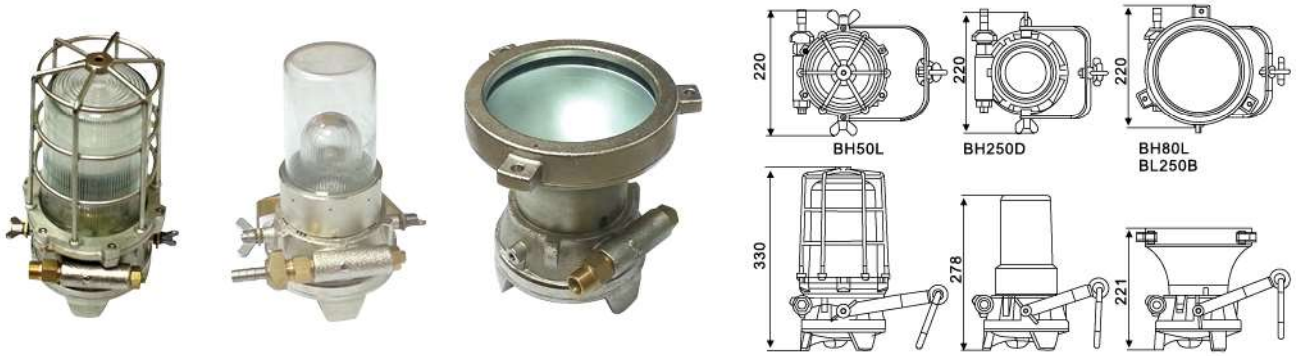


Cuttlefish
TECHNOLOGY

防爆灯系列

THE SERIES OF EXPLOSION-PROOF LIGHTS





规格 Specifications

产品参考 Product reference	BH50L	BH80L	BH50L	BH80L	BH250D	BH250B	BH250D	BH250B
防爆编码 EX code	ExsII T6/DIPA21 Ta,T6 Gb				Exs II T4/DIP A21TA,T4 Gb			
防护等级 Type of protection	"S" type							
区域分类 Area of classification	1 or 2 zone gas, IIA,IIB,IIC							
温度分类 Temp.classification	T6				T4			
环境温度 Ambient temperature	-20°C to +50°C							
附件 Enclosure	铜镀镍 Brass Nickel-plating		铝镀镍 Auminum Nickel-plating		铜镀镍 Brass Nickel-plating		铝镀镍 Auminum Nickel-plating	
发光分类 Beam type	散光 Diffuse lamp	聚光 Beam lamp	散光 Diffuse lamp	聚光 Beam lamp	散光 Diffuse lamp	聚光 Beam lamp	散光 Diffuse lamp	聚光 Beam lamp
光源 Light souree	Pt.no.	Pa101	Pa102	Pa101	Pa102	Pa103		
	类型 type	LED				卤素灯泡 Halogen Bulb		
	电压 Volts	24V						
	功率 Watts	50W	84W	50W	84W	250W		
	输出 Output	4800Lm	8000Lm	4800Lm	8000Lm	6000-9000Lm		
	寿命 Life	> 30000h	> 30000h	> 30000h	> 30000h	< 1000h		
电源 Power source	类型 Type	压缩空气驱动 Compressed air driver						
	压力 Pressure	4.0-8.0 bar						
	消耗 Consum ption	< 0.3m ³ /min				< 0.6m ³ /min		
防护等级 Protection class	IP67							
重量 Weight	13.5Kgs		8.5Kgs	8.0Kgs	10.0Kgs	13.5Kgs	6.0Kgs	8.0Kgs
特殊认证条件 Special certification conditions	须使用干净干燥的空气供应，供水软管必须防静电 Need to use clean and dry air, water hoses must be anti-static							

该产品可在 -20°C至 + 50°C的环境温度下工作，适用于爆炸气体区（1区和2区）和爆炸尘区（21区和22区），适用于IIA，IIB，IIC类。温度分类从T1到T6。

由于其特殊的构造，通过几种解决方案避免了灯内部和外部的危险气氛的点燃。首先，空气流入灯壳体并在其流入发电机壳体之前产生过压。如果灯罩或保护玻璃损坏，空气首先流出。发电机立即停止，不能引起灯泡的任何火焰。排出空气防止爆炸性气体在灯内的穿透并且还可以冷却破碎的灯泡的螺旋。灯壳体由黄铜或铝制成。

The product could work under the ambient temperature from -20°C to +50°C, it is apply to explosion gas area(Zone 1 and Zone 2)and explosion dust area(Zone 21 and Zone 22),apply to gas ares of IIA、IIB、IIC class.Temperature classification is from T1 to T6.

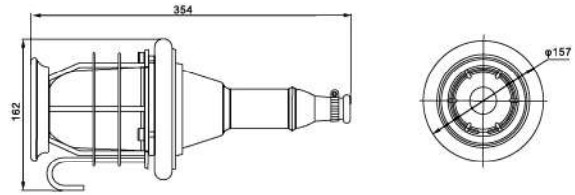
Due to its special consteuection an ignition of hazardous atmospheres inside and outside the lamp are avoided by several solutions .At first the air flows into the lamp housing and generates an overpressure before it flows into the generator housing. If the lamp housing or the protection glass is damaged, the air flows outside first. The generator stops immediatly and cannot induce any voltege for the bulb . The exhausting air prevents a penetration of explosive gases inside the lamp and can cool the spiral of a broken bulb,too.

The lamp-housing is made of brass or aluminum.

CFS1 防爆手提灯

EXPLOSION-PROOF PORTABLE LIGHT

国际代码 International Code:792171-792174



产品特点

- 1、手柄采用优质橡胶模压成型，优质钢化玻璃灯罩，带防护网罩；
- 2、灯体采用密封结构，具有较高的防水性能和防腐性能，适合船舶检修或装卸物等临时工作场地照明；
- 3、符合《钢质海船入级规范》和国家标准 GB3836-2000 标准，GB12045，En50014，En50018，En60079。

Products characteristic

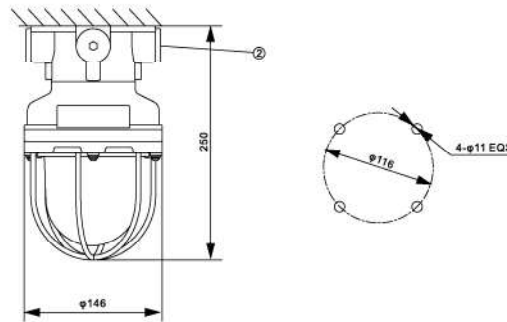
1. The handle adopts good quality rubber, good quality toughened glass lampshade with guard.
2. The lamp body adopts seal structure, has high waterproof performance and anticorrosive performance, fit for illuminating temporary work place used for checking and repairing ship or loading or unloading goods.
3. Conform to 《GRADE ENTRY NORMS FOR STEEL SHIPS》, and Nationalstandard GB3836-2000, GB12045, En50014, En50018, En60079.

规格 Specifications

代号 Model	型号 Type	防爆标志 Explosion-proof mark	电压 Voltage	功率 Power	光源 Illuminant	灯座 Lamp holder	防护等级 Protection class	电缆外径 Cable outside diameter	重量 Weight
3233	CFS1	Exd IIA T2	220V 24V	60W	白炽灯 Incandescent	E27	IP56	Φ8-Φ10	2.7kg

CFD1 白炽防爆灯

INCANDESCENT EXPLOSION-PROOF LIGHT



产品特点

- 1、壳体采用优质铸铝模压成型，优质钢化玻璃灯罩，带防护网罩；
- 2、灯体采用密封结构，具有较高的防水性能和防腐性能；
- 3、符合《钢质海船入级规范》和国家标准 GB3836-2000 标准，GB12045。

Products characteristic

1. The shell adopts good quality cast aluminum, good quality toughened glass lampshade with guard..
2. The lamp body adopts seal structure, has high waterproof performance and anticorrosive performance.
3. Conform to 《GRADE ENTRY NORMS FOR STEEL SHIPS》, and National standard GB3836-2000, GB12045.

规格 Specifications

型号 Type	防爆标志 Explosion-proof mark	电压 Voltage	功率 Power	光源 Illuminant	灯座 Lamp holder	防护等级 Protection class	电缆外径 Cable outside diameter	重量 Weight
CFD1	Exd IIC T4	220V	≤ 100W	白炽灯 Incandescent	E27	IP65	Φ11-Φ13	2.9kg



产品特点

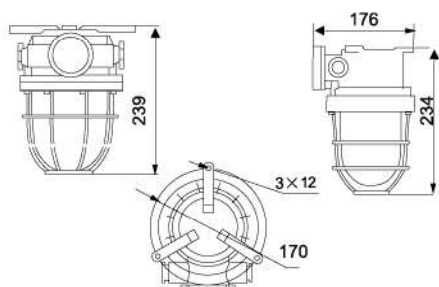
- 1、可用于危险 1 区
- 2、强亮度 LED
- 3、可切换聚光与投光
- 4、满功率最多可用 9 小时，节能模式最多可用 18 小时
- 5、IP66 的防尘防水
- 6、配套充电底座同时，不影响灯光照射
- 7、电源指示灯
- 8、莫氏指示灯
- 9、信号光源
- 10、警告光源
- 11、USB 充电输出
- 12、双重开关

Products characteristic

1. EX certified for using in Zone 1 hazardous areas.
2. Ultra bright high power LED light.
3. Spot and flood switchable beam options.
4. Up to 9 hours duration on full power, 18 hours in powersave mode.
5. IP 66 dust tight and water resistant.
6. Integral stand for hands free beam direction.
7. Power indicator.
8. Mode indicator
9. Signal lamp.
10. Warning lamp
11. USB output charging
12. Double switches

规格 Specifications

型号 Product reference	BH33
防爆编码 EX Code	II2 G Ex ib IIC T4 Gb IP66
防爆种类 Type of protection	"ib" 本安型 "ib" intrinsic safety
区域类别 Area of classification	区域 1 和 2, 气体 IIA, IIB, IIC Zones1 and 2, Gas groups IIA, IIB and IIC
温度组别 Temp.classification	T4
外界温度 Ambient temperature	-20°C ~ +40°C
透镜 Lens	钢化玻璃 Toughened glass
光源 Light source	大功率 LED, 2 白色和 1RYEG, 200+1m, 25000+hours High power LED; 2xW hite. 1xR.Y.B.G; 200+1m, 25000+hours
电源 Power source	可充电锂电池 BH600, 可循环充电最多 500 次 Rechargeable battery, Lithium-Ion, Up to 500 recharge cycles
工作时间全功率 / 半功率 Operating time Full power/half power	9/18 小时 9/18 hours
IP 等级 Ingress protection	IP66
重量 Weight	1.3kg
兼容充电 Compatible charger	BH608:12-24V; BH608+RC300:100-240V
充电时间 Recharge time	4 小时 4 hours



适用范围

适用于含有氢气与空气混合物，乙炔气体与空气混合物及其它含有可燃性气体混合物的1-2区危险场所照明用。

产品特点

- 1、壳体为优质不锈钢铸造成型，钢化玻璃灯罩，铜质网罩；
- 2、灯具填料函分两种，一种为管螺纹式，螺纹为 G3/4，一种为喇叭式。

产品认证

- 1、经国家级照明灯具防爆安全监督检验站检验合格；
- 2、经中国船级社 "CCS" 认证，认证编号 00515Q20619R0M。
- 3、符合国际 GB3836，GB12045 《船用防爆灯技术条件》。

The scope of application

Applied to the illumination in 1-2 zone dangerous places of hydric gas and air admixture, ethyne and air admixture and other flammable gas admixture.

Products characteristic

1. The shell is made of good quality stainless steel foundry toughened glass lamp-shade, with brass guard.
2. The gland has two kind, one is tube screw type, screw is G3/4, Another one is bugle-type.

Production authentication

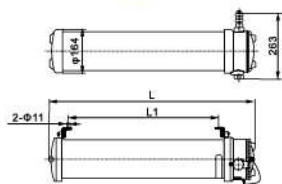
1. Passed the examination of National Explosion-proof Safety Supervisal and Inspection station for Luminaire.
2. Approval by CCS(China Classification Society), certificate number 00515Q20619R0M.
3. Conform to National standard GB3836,GB12045 《THE TECHNICAL CONDITION OF MARINE EXPLOSION-PROOF LIGHT》

规格 Specifications

型号 Type	防爆标志 Explosion-proof mark	电压 Voltage	功率 Power	光源 Illuminant	灯头 Lamp holder	防护等级 Protection class	电缆外径 Cable outside diameter	材质 Material	重量 Weight
CFD4a	Exd IICT4	24V-220V	60W	白炽灯 Incandescent	E27	IP56	Φ11-Φ13	铜 Brass	13kg
CFD4b	Exd IICT6	24V-220V	25W						
CFD4c	Exd IICT3	220V	100W						

CFY20/30/40 防爆荧光灯 EXPLOSION-PROOF FLUORESCENT LIGHT

国际代码 International Code:791921-791939



型号 Type	L	L1
CFY20	775	556
CFY30	1080	861
CFY40	1385	1166

适用范围

- 1、壳体采用优质铸铝模压成型，选用 PC 灯罩，配有 2 个填料函，采用管形荧光灯光源；
- 2、该灯具的安装方式为吊挂式，更换灯管方便等特点；
- 3、灯体采用密封结构，具有较高的防水性能和防腐性能；
- 4、符合《钢质海船入级规范》和国家标准 GB3836-2000，GB12045，En50014，En50018，En60079。

The scope of application

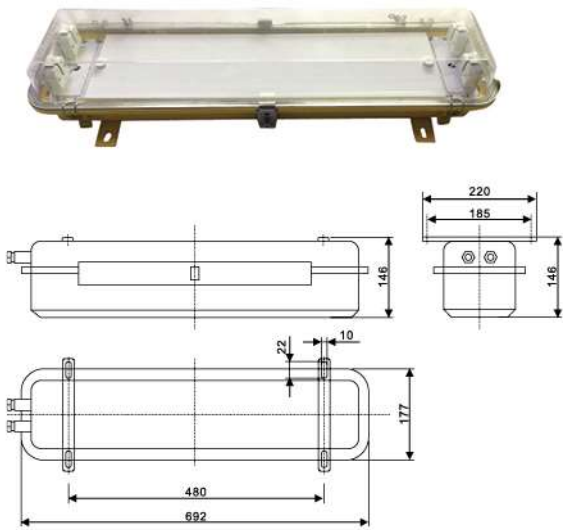
1. The shell adopts good quality Cast aluminum, good quality PC lampshade, with two glands, adopt fluoresecent lamp.
2. The light adopts hang-type installation, and it is convenient to replace the light-tube etc.
3. The lamp body adopts seal structure, has high waterproof performance and anticorrosion performance.
4. Conform to 《 GRADE ENTRY NORMS FOR STEEL SHIPS 》 and national standard GB3836-2000, GB12045, En50014, En50018, En60079.

规格 Specifications

型号 Type	防爆标志 Explosion-proof mark	电压 Voltage	功率 Power	灯座 Lamp holder	防护等级 Protection class	电缆外径 Cable outside diameter	重量 Weight
CFY20-2	Exd IICT6	220V/50Hz 220V/60Hz 110V/60Hz	2×20W	G13	IP56	Φ13-Φ14	7.45kg
CFY20-1			1×20W				
CFY30-2			2×30W				9.1kg
CFY30-1			1×30W				
CFY40-2			2×40W				10.12kg
CFY40-1			1×40W				

CFY21-2 防爆荧光灯

EXPLOSION-PROOF FLUORESCENT LIGHT



适用范围

适用于舰船、石油开采平台、化工及具有爆炸性气体的 1 区或 2 区场所。

产品特点

1. 壳体采用优质钢横压成型，灯罩为优质透明 PC 注塑成型；
2. 整体式搭扣，防护等级高；
3. 隔爆增安型防爆结构。

产品认证

符合国际 IEC 标准和 GB3836、GB7000 标准要求。

The scope of application

Applied to ship oil exploit platform, chemical product and explosive gas place zone 1 or zone 2.

Products characteristic

1. The shell is made of good quality steel, the lampshade is good quality transprence PC.
2. Integral type clip, high protection grade.
3. Flameproof safety type structure.

Production authentication

Conform to International IEC standard and GB3836、GB7000

产品特点

防爆标志 Explosion-proof mark: Exd IICT4

电压 Voltage: 220V/50Hz, 220V/60Hz, 110V/60Hz 功率 Power: 2×20W

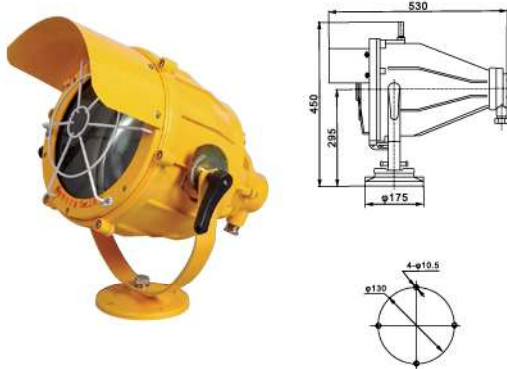
灯座 Lampholder: G13 电缆外径 Cable outside diameter: Φ11~ Φ13

防护等级 Protection class: IP56 重量 Weight: 5.8kg

CFT1 防爆投光灯

EXPLOSION-PROOF SPOT LIGHT

国际代码 International Code: 791831-791834



适用范围

适用于温度组别为 T1-T4 爆炸性气体场所 1 区、2 区的环境中使用时，也适用于船舶、石油平台等室外远距离照明。

产品特点

优质铝壳体，铜网罩，钢化玻璃，灯体可水平旋转 350°，俯仰 45°。

产品认证

采用标准

1. 经国家级照明灯具防爆安全监督检验站检验合格；
2. 经中国船级社 "CCS" 认证，认证编号 00515Q20619R0M。

符合国际 GB3836, GB12045 《船用防爆灯技术条件》。

The scope of application

Applied to the explosive gas place zone 1 zone 2 with the temperature group T1-T4, also suitable for remote illumination.

Products characteristic

Good quality aluminium shell, brass net shield, toughened glass, The light body can rotate 350° horizontally and 45° up and down.

Production authentication

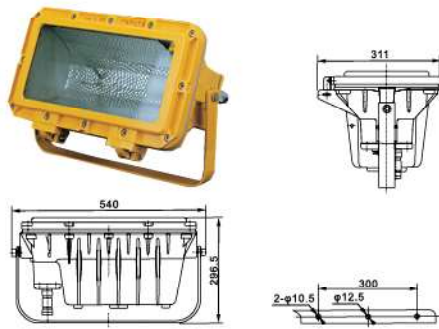
1. Passed the examination of National Explosion-proof Safety Supervisal and Inspection station for Luminaire.
2. Approval by CCS(China Classification Society), certificate number 00515Q20619R0M.

Adopt standard

Conform to National standard GB3836, GB12045 《THE TECHNICAL CONDITION OF MARINE EXPLOSION-PROOF LIGHT》.

规格 Specifications

型号 Type	防爆标志 Explosion-proof mark	电压 Voltage	功率 Power	光源 Illuminant	灯头 Lamp holder	防护等级 Protection class	电缆外径 Cable outside diameter	材质 Material	重量 Weight
CFT1	Exd IIBT2	220V/50Hz 220V/60Hz	400W	高压汞灯 High-pressure mercury lamp	E40	IP56	Φ12-Φ14.5	铝 Aluminium	10kg
			450W	白镇流汞灯泡 GYZ450 Self-rectifying mercury lamp					
			500W	白炽灯泡 Incandescent lamp					



适用范围

- 1、壳体采用优质铸铝横压成型，优质钢化玻璃灯罩，灯体可俯仰 45°；
- 2、灯体采用密封结构，具有较高的防水性能和防腐性能；
- 3、内置镇流器，无需另配镇流器箱（110V/60Hz 需另配镇流器）。
- 4、符合《钢质海船入级规范》和国家标准 GB3836-2000，GB12045，En50014，En50018，En60079。

The scope of application

1. The shell adopts good quality cast aluminum, good quality toughened glass lampshade, The light body can adjust up and down 45°.
2. The lamp body adopts seal structure, has high waterproof performance and anticorrosive performance.
3. Equipped ballast inside, no need to equipped ballast box (except the voltage is 110V/60Hz).
4. Conform to 《GRADE ENTRY NORMS FOR STEEL SHIPS》 and national standard GB3836-2000, GB12045, En50014, En50018, En60079.

规格 Specifications

型号 Type	防爆标志 Explosion-proof mark	电压 Voltage	功率 Power	光通量 Lm Luminous flux	光源 Illuminant	灯头 Lamp holder	防护等级 Protection class	电缆外径 Cable outside diameter	重量 Weight
CFT2	Exd IIBT3	220V/50Hz 220V/60Hz	250W	26000	高压钠灯 High-pressure sodium lamp	E40	IP56	Φ11-Φ13	29.54kg
				20500	金属卤化物灯 Metal halide lamp				
	400W	47000	高压钠灯 High-pressure sodium lamp						
		36000	金属卤化物灯 Metal halide lamp						

LED CFT3 LED 防爆投光灯 FLOOD LIGHT

适用范围

适用于爆炸性气体环境场所 1 区、2 区场所照明使用。

产品特点

- 1、灯具采用 LED 普瑞灯珠，结构紧凑合理并确保防爆性能。
- 2、灯具可在垂直方向 ±45 度内任意调节。
- 3、外壳采用高强度铝合金材料，具有较高抗强力碰撞和冲击能力。
- 4、透明件采用高强度钢化玻璃，能承受高机械强度和温度剧变。
- 5、反射器采用高纯度铝板，表面桔纹状阳极化处理，并通过精确配光设计，反光效率高。

采用标准

符合国际 IEC 标准和 GB3836、GB7000.7-2005 标准要求。

The scope of application

Applied to illumination of explosive gas place zone 1 or zone 2.

Products characteristic

1. The shell is made of good quality brass foundry toughened glass lamp-shade, with brass guard.
2. The gland has two kinds, one is tube screw type, screw is G3/4, Another one is bugle-type.

Production authentication

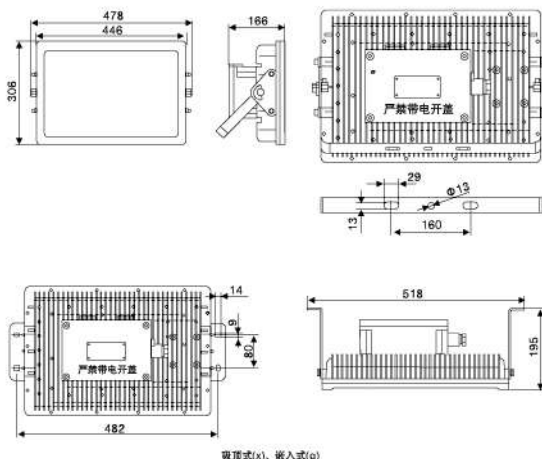
1. The light use LED pure lamp, with compact and reasonable structure and ensure the explosion-proof performance.
2. The light can be adjusted arbitrarily within ±45 degrees in the vertical direction.
3. The lamp body is made of high-strength aluminum alloy, has high resistance to strong collision and impact.
4. The transparent part adopts high-strength tempered glass, able to withstand high mechanical strength and temperature fluctuations.
5. The reflector is made of high-purity aluminum plate, the surface is treated with orange striated anodization, and the reflective efficiency is high through accurate light distribution design.

Adopt standard

Conform to International IEC standard and GB3836、GB7000.7-2005

规格 Specification

防爆标志 Explosion-proof mark: Exd II BT2 电压 Voltage: 90V~265V
 功率 Power: 70W, 120W, 150W, 200W 光源 Illuminant: LED
 光通量 LM Luminous flux: 7000, 12000, 15000, 20000
 电缆外径 Cable outside diameter: Φ11~ Φ13 防护等级 Protection class: IP56



防爆开关

EXPLOSION-PROOF SWITCH

说明

- 1、适用于各类船舶、海洋石油、化工等场所作电器连接，电路通断之用；
- 2、外壳采用黄铜精密铸造而成，密封性好、电气性能好等特点；
- 3、经国家防爆电气检验中心检验合格，中国船级社“CCS”认可，认可编号 00515Q20619R0M；
- 4、适合铠装电缆 $\Phi 10\sim\Phi 12.5\text{mm}$ 。

技术参数

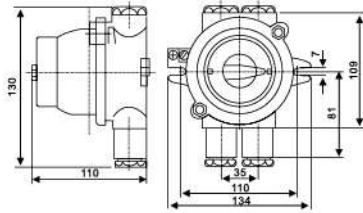
防护等级：IP56
 采用标准：IEC60079
 防爆标志：Exd IICT6
 电压 / 电流：380V/16A

Remark

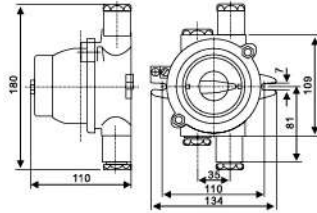
1. Fit for electric appliances connecting and circuit breaking in ships, sea petroleum, chemical industry site etc.
2. The shell adopts precision brass casting, it has the feature of fine sealing function and fine electric function.
3. This series of products have passed the Examination of National Explosionproof Electrical Test Center, and was Approval by CCS(China Classification Society), certificate number 00515Q20619R0M.
4. Fit for armored cable $\Phi 10\sim\Phi 12.5\text{mm}$.

Remark

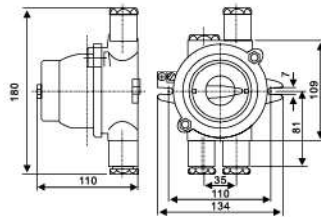
Protection class: IP56
 Adopted standard: IEC60079
 Explosion-proof mark: Exd IICT6
 Voltage/Current: 380V/16A



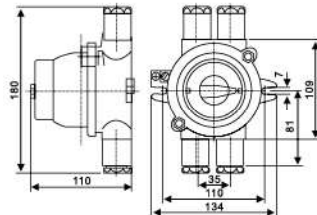
代号 Code	14105/2
名称 Name	防爆开关 Explosion-proof switch
型号 Type	dCHH202-2
重量 Weight	2.25kg
材质 Material	铜 Brass



代号 Code	14105/D
名称 Name	防爆开关 Explosion-proof switch
型号 Type	dCHH202-2A
重量 Weight	2.25kg
材质 Material	铜 Brass



代号 Code	14105/3
名称 Name	防爆开关 Explosion-proof switch
型号 Type	dCHH202-3
重量 Weight	2.27kg
材质 Material	铜 Brass



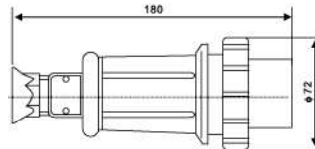
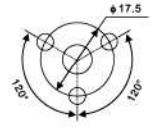
代号 Code	14105/4
名称 Name	防爆开关 Explosion-proof switch
型号 Type	dCHH202-4
重量 Weight	2.35kg
材质 Material	铜 Brass

技术参数

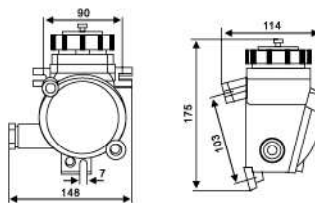
- 防护等级：IP56
- 采用标准：IEC60079
- 防爆标志：Exd IICT6
- 电压 / 电流：250V/16A

Technical parameter

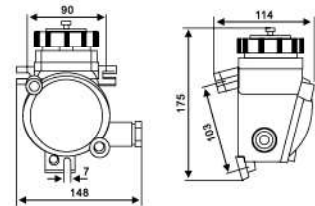
- Protection class: IP56
- Adopted standard: IEC60079
- Explosion-proof mark: Exd IICT6
- Voltage/Current: 250V/16A



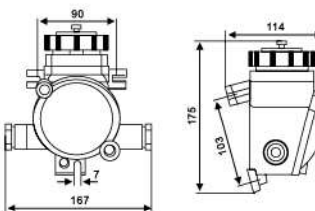
代号 Code	5516/ST
名称 Name	防爆插头 Explosion-proof plug
型号 Type	dCTH202-3
重量 Weight	1.25kg
材质 Material	铜 Brass
防爆标志 Explosion-proof mark	Exd IIT6



代号 Code	5516/L
名称 Name	防爆插座 Explosion-proof socket
型号 Type	dCZH202-1
重量 Weight	2.6kg
材质 Material	铜 Brass



代号 Code	5516/R
名称 Name	防爆插座 Explosion-proof socket
型号 Type	dCZH202-2
重量 Weight	2.6kg
材质 Material	铜 Brass



代号 Code	5516/D
名称 Name	防爆插座 Explosion-proof socket
型号 Type	dCZH202-3
重量 Weight	2.7kg
材质 Material	铜 Brass

防爆接线盒

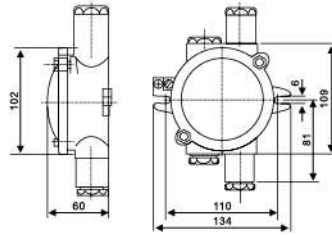
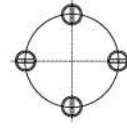
EXPLOSION-PROOF JUNCTION BOX

技术参数

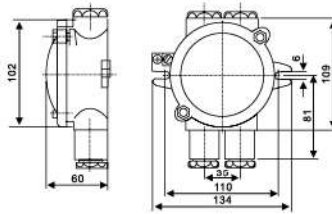
- 防护等级：IP56
- 采用标准：IEC60079
- 防爆标志：Exd IIT6
- 电压电流：550V/20A

Technical parameter

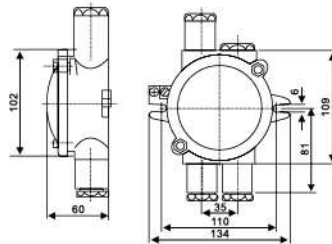
- ◆ Protection class: IP56
- ◆ Adopted standard: IEC60079
- ◆ Explosion-proof mark: Exd IIT6
- ◆ Voltage / Current: 550V/20A



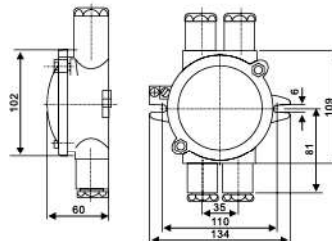
代号 Code	510
名称 Name	防爆接线盒 Explosion-proof junction box
型号 Type	dCJXH202-1
重量 Weight	1.4kg
材质 Material	铜 Brass



代号 Code	510/2
名称 Name	防爆接线盒 Explosion-proof junction box
型号 Type	dCJXH202-2
重量 Weight	1.4kg
材质 Material	铜 Brass



代号 Code	510/3
名称 Name	防爆接线盒 Explosion-proof junction box
型号 Type	dCJXH202-3
重量 Weight	1.5kg
材质 Material	铜 Brass



代号 Code	510/4
名称 Name	防爆接线盒 Explosion-proof junction box
型号 Type	dCJXH202-4
重量 Weight	1.61kg
材质 Material	铜 Brass

国际代码 International Code: 330618 330620



防水安全头灯第二版 (PIC1501 主控芯片) 说明：

充电状态指示

- 1、小于三分之一，一个付灯闪烁，另一个付灯不亮；充电指示亮红灯；
- 2、大于三分之一小于三分之二，两个付灯同时闪烁；充电指示亮红灯；
- 3、大于三分之二，一个付灯常亮，另一个付灯闪烁；充电指示亮红灯；
- 4、电充满，但外部充电电源未拔除，充电指示亮绿灯；

在未充电且主付灯都未点亮状态下,长按按键3秒以上,显示电池电量:

- 1、大于三分之二电量，两个付灯都点亮；
- 2、小于三分之二电量，一个付灯点亮，另一个熄灭。

防水安全头灯的工作模式及操作

- 1、未工作模式；
- 2、付灯点亮模式；
- 3、主灯点亮模式；
- 4、主灯 SOS 闪烁模式；

每按一次按键（按键时间小于3秒），头灯的工作模式在上述的4种方式之间转换（转换方式为：1、2、3、4、1、2.....循环）。

主灯点亮时电量不足提示

- 1、付灯点亮时，如果电量只能供电约30分钟时，付灯将间隔约5秒闪一下；
 - 2、主灯点亮时，如果电量只能供电约30分钟时，主灯将间隔5秒闪一下（在此状态下，长按操作按键，此慢闪可以被关闭）；如果电量只能供电10分钟左右时，主灯将进行2秒一次的快闪（此快闪不能关闭）。
- 在出现上面的闪烁现象时，用户必须尽快进行充电，否则在电池电量用完后且未充电之前，头灯将不能点亮。

Waterproof Safety Headlights second edition (PIC1501 master chip) Description:

Status indication of battery charge

1. Less than one-third, a auxiliary light flicker, the other one is off; Charge indicator light up the red light;
2. More than one-third and less than two-thirds, two lights flicker at the same time; Charge indicator light up the red light;
3. More than two-thirds, a auxiliary light stay lit, the other one flicker; Charge indicator light up the red light;
4. Full charged, but the external charging power is not removed, charge indicator light up the green light;

Long press the button for more than 3 seconds to show the battery power when it is not in charging and all the lights are off:

1. More than two-thirds of electric quantity, two auxiliary lights are on;
2. Less than two-thirds of electric quantity, a auxiliary light is on, the other on is off.

Operating mode of Waterproof Safety Headlights

1. Unworking mode;
2. Auxiliary light lit mode;
3. Main light lit mode;
4. Main light SOS flicker mode;

Each time you press the button (less than 3 seconds), the working mode of the headlight will switch between the four modes (conversion mode: 1,2,3,4,1,2).

Prompt of low battery:

1. When the auxiliary light is lit, it will flicker about 5 seconds alternately if the power can only supply about 30 minutes;
 2. When the main light is lit, it will flicker 5 seconds alternately if the power can only supply about 30 minutes (it can be closed when long pressing the button); if the power can only supply about 10 minutes, the main light will flicker 2 seconds alternately (it can not be closed).
- When above conditions turned up, the user must charge as soon as possible, otherwise the headlight will not able to be light up.





Cuttlefish
TECHNOLOGY

电气接插件系列

THE SERIES OF ELECTRIC CONNECTORS



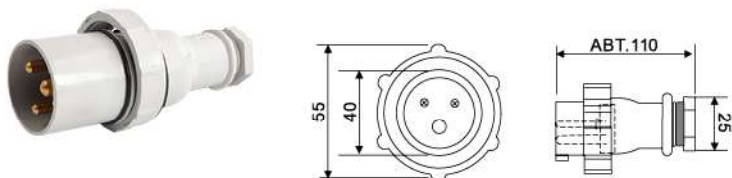
技术参数 Technical parameter

防护等级 Protection class:IP56

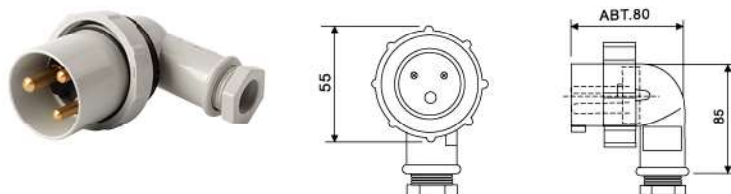
采用标准 Adopted standard:DIN89270

额定电压 Rated voltage:200-250V

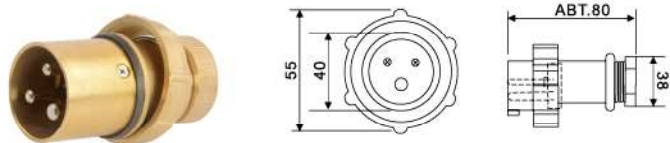
额定电流 Rated current : 10A



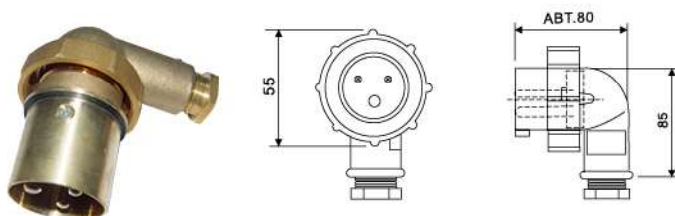
国际代码 International code	792851
材质 Material	塑料 Plastic
电压 Voltage	2P+E 250V
电流 Current	10A
电缆外径 Cable outside diameter	Φ14-Φ16



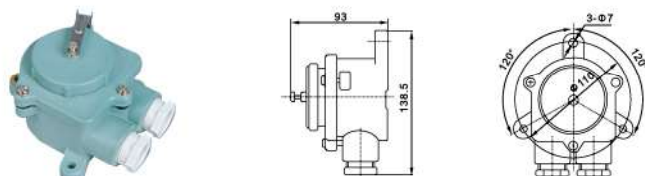
国际代码 International code	792852
材质 Material	塑料 Plastic
电压 Voltage	2P+E 250V
电流 Current	10A
电缆外径 Cable outside diameter	Φ14-Φ16



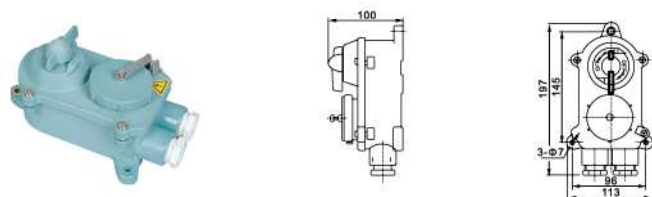
国际代码 International code	792851
材质 Material	铜 Brass
电压 Voltage	2P+E 250V
电流 Current	10A
电缆外径 Cable outside diameter	Φ14-Φ16



国际代码 International code	792852
材质 Material	铜 Brass
电压 Voltage	2P+E 250V
电流 Current	10A
电缆外径 Cable outside diameter	Φ14-Φ16



国际代码 International code	792856
材质 Material	塑料 Plastic
电压 Voltage	2P+E 250V
电流 Current	10A
电缆外径 Cable outside diameter	Φ14-Φ16



国际代码 International code	792857
材质 Material	塑料 Plastic
电压 Voltage	2P+E 250V
电流 Current	10A
电缆外径 Cable outside diameter	Φ14-Φ16

IEC 标准防水电源插头

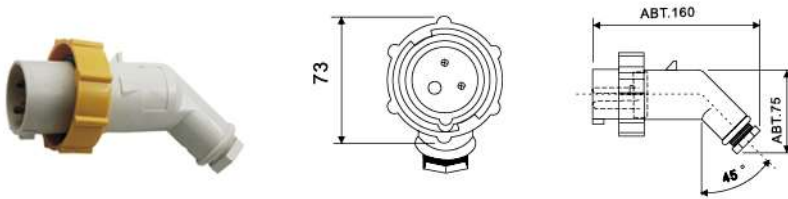
IEC WATERTIGHT PLUG

技术参数 Technical parameter

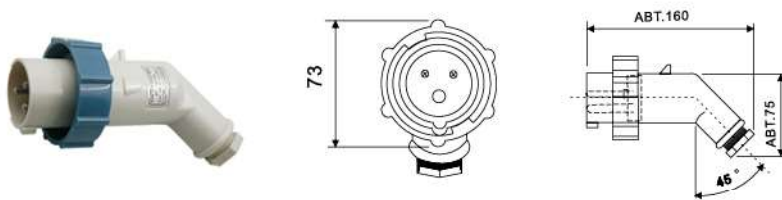
防护等级 Protection class:IP56

采用标准 Adopted standard:DIN89270

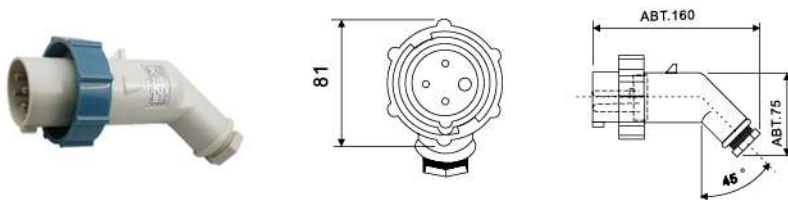
额定电压 Rated voltage:100-130V 200-250V 380-415V 440-460V



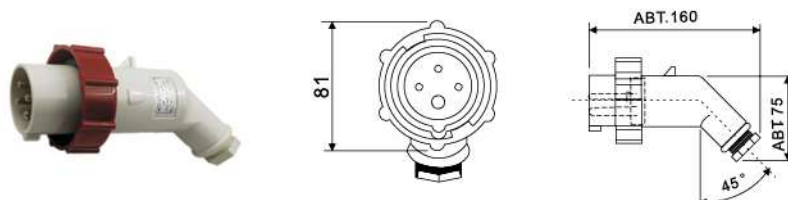
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国际代码 International code	792751
电压 Voltage	100-130V
电流 Current	16A/20A



型号 Type	P12-2B
国际代码 International code	792752
电压 Voltage	200-250V
电流 Current	16A/20A



型号 Type	P12-3B
国际代码 International code	792753
电压 Voltage	200-250V
电流 Current	16A/20A



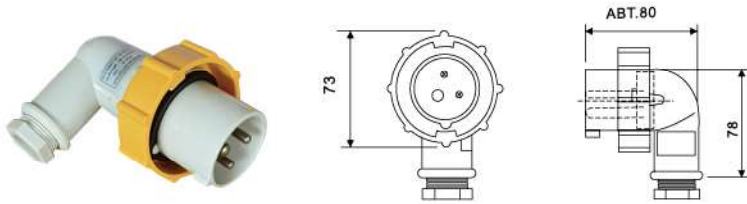
型号 Type	P12-3B
国际代码 International code	792754
电压 Voltage	380-440V
电流 Current	16A/20A

技术参数 Technical parameter

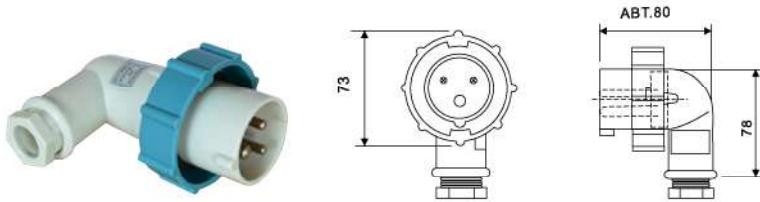
防护等级 Protection class:IP56

采用标准 Adopted standard:DIN89270

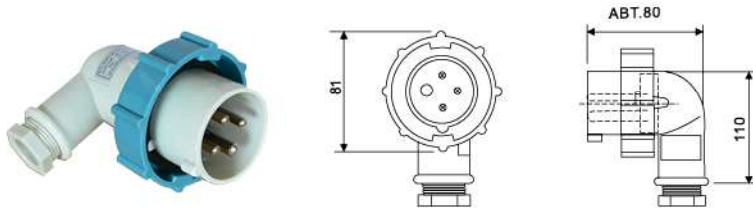
额定电压 Rated voltage:100-130V 200-250V 380-415V 440-460V



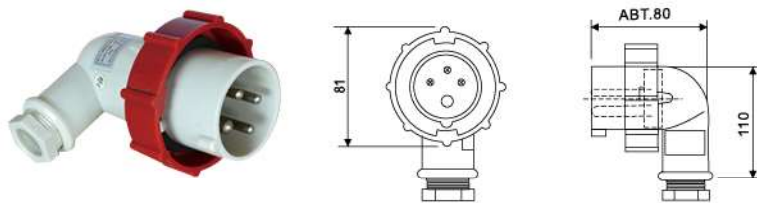
型号 Type	P12-2B1
国际代码 International code	792755
电压 Voltage	100-130V
电流 Current	16A/20A



型号 Type	P12-2B1
国际代码 International code	792756
电压 Voltage	200-250V
电流 Current	16A/20A



型号 Type	P12-3B1
国际代码 International code	792757
电压 Voltage	200-250V
电流 Current	16A/20A



型号 Type	P12-3B1
国际代码 International code	792758
电压 Voltage	380-460V
电流 Current	16A/20A

IEC 标准防水电源插座

IEC WATERTIGHT SOCKET

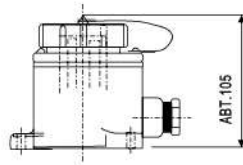
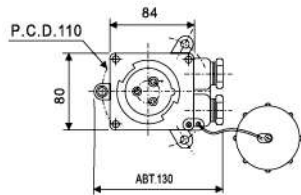
技术参数 Technical parameter

防护等级 Protection class:IP56

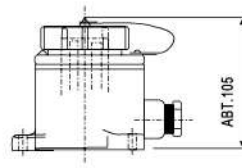
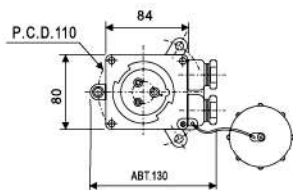
采用标准 Adopted standard:DIN89270

额定电压 Rated voltage:100-130V 200-250V 380-415V 440-460V

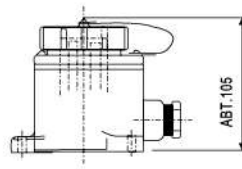
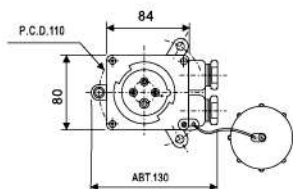
专利号 Patent No. : ZL 201320504682.0



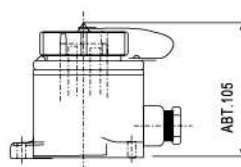
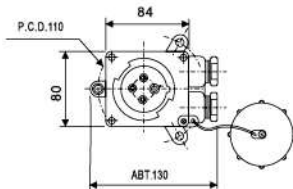
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国际代码 International code	792761
电压 Voltage	100-130V
电流 Current	16A



型号 Type	R12-2
国际代码 International code	792762
电压 Voltage	200-250V
电流 Current	16A



型号 Type	R12-3
国际代码 International code	792763
电压 Voltage	200-250V
电流 Current	16A



型号 Type	R12-3
国际代码 International code	792764
电压 Voltage	380-460V
电流 Current	16A

技术参数 Technical parameter

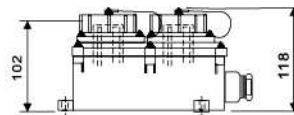
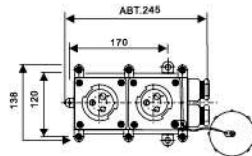
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采用标准 Adopted standard:DIN89270

额定电压 Rated voltage:100-130V 200-250V 380-415V 440-460V

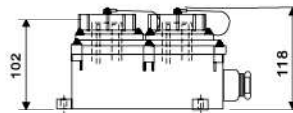
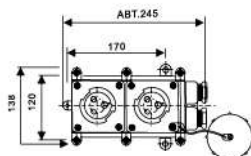
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792765



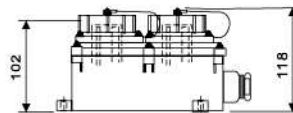
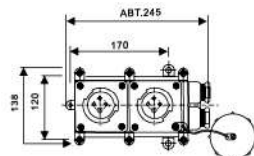
型号 Type	RSIL2-3
国际代码 International code	792765
电压 Voltage	100-130V
电流 Current	16A

792766



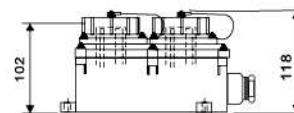
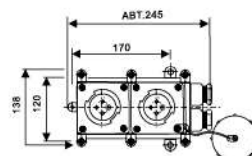
型号 Type	RSIL2-3
国际代码 International code	792766
电压 Voltage	200-250V
电流 Current	16A

792767



型号 Type	RSIL2-3
国际代码 International code	792767
电压 Voltage	200-250V
电流 Current	16A

792768



型号 Type	RSIL2-3
国际代码 International code	792768
电压 Voltage	380-460V
电流 Current	16A

IEC 带锁开关插座 / IEC 不带锁开关插座

IEC SOCKET & SWITCH LOCK / IEC WITHOUT A LOCK SWITCH SOCKET

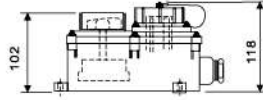
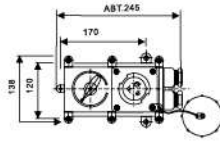
技术参数 Technical parameter

防护等级 Protection class:IP56

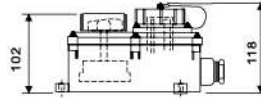
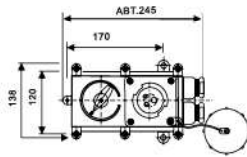
采用标准 Adopted standard:DIN89270

额定电压 Rated voltage:100-130V 200-250V 380-415V 440-460V

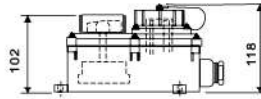
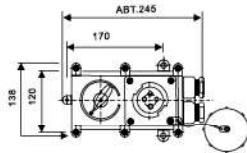
专利号 Patent No. : ZL 2013 2 0503005.7 ZL 201320504682.0



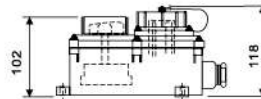
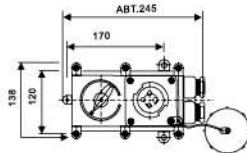
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型号 Type	RSIL2-2
国际代码 International code	792771
电压 Voltage	100-130V
电流 Current	16A



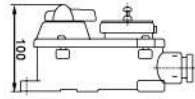
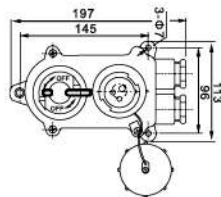
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型号 Type	RSIL2-2
国际代码 International code	792772
电压 Voltage	200-250V
电流 Current	16A



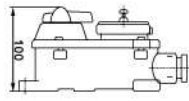
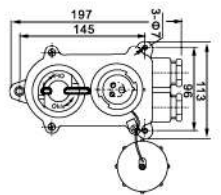
	带锁	不带锁
型号 Type	RSIL2-3	
国际代码 International code	792773	792777
电压 Voltage	200-250V	
电流 Current	16A	



	带锁	不带锁
型号 Type	RSIL2-3	
国际代码 International code	792774	792778
电压 Voltage	380-460V	
电流 Current	16A	



	不带锁
型号 Type	RSIL2-22
国际代码 International code	792775
电压 Voltage	100-130V
电流 Current	16A



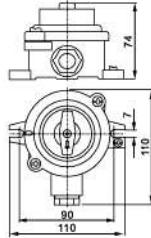
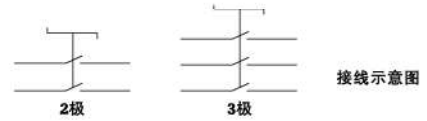
	不带锁
型号 Type	RSIL2-22
国际代码 International code	792776
电压 Voltage	200-250V
电流 Current	16A

技术参数

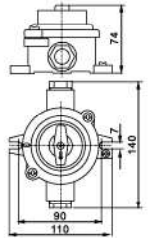
- 防护等级：IP56
- 采用标准：DIN89270
- 电缆外径：Φ14-Φ16

Technical parameter

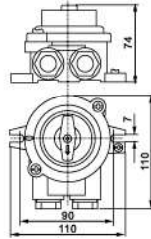
- Protection class: IP56
- Adopted standard: DIN89270
- Cable outside diameter: Φ14~Φ16



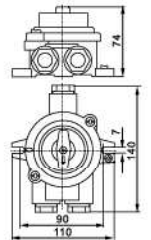
代号 Code	1133				
一般电缆型号 General cable type	HH101-1	HH101-2	HH101-3	HH101-4	HH101-5
屏蔽电缆型号 Shield cable type	HH111-1	HH111-2	HH111-3	HH111-4	HH111-5
额定电压 Rated voltage	24V	125V	250V	380V/440V	380V/440V
重量 Weight	0.80kg	0.80kg	0.69kg	0.80kg	0.80kg



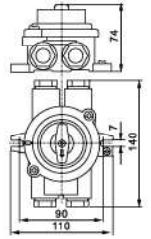
代号 Code	1133/D				
一般电缆型号 General cable type	HH201-1	HH201-2	HH201-3	HH201-4	HH201-5
屏蔽电缆型号 Shield cable type	HH211-1	HH211-2	HH211-3	HH211-4	HH211-5
额定电压 Rated voltage	24V	125V	250V	380V/440V	380V/440V
重量 Weight	1.00kg	1.00kg	0.70kg	1.00kg	1.00kg



代号 Code	1133/2				
一般电缆型号 General cable type	HH202-1	HH202-2	HH202-3	HH202-4	HH202-5
屏蔽电缆型号 Shield cable type	HH212-1	HH212-2	HH212-3	HH212-4	HH212-5
额定电压 Rated voltage	24V	125V	250V	380V/440V	380V/440V
重量 Weight	0.70kg	1.00kg	0.70kg	1.00kg	1.00kg



代号 Code	1133/3				
一般电缆型号 General cable type	HH302-1	HH302-2	HH302-3	HH302-4	HH302-5
屏蔽电缆型号 Shield cable type	HH312-1	HH312-2	HH312-3	HH312-4	HH312-5
额定电压 Rated voltage	24V	125V	250V	380V/440V	380V/440V
重量 Weight	1.10kg	1.10kg	0.90kg	1.10kg	1.10kg



代号 Code	1133/2D				
一般电缆型号 General cable type	HH402-1	HH402-2	HH402-3	HH402-4	HH402-5
屏蔽电缆型号 Shield cable type	HH412-1	HH412-2	HH412-3	HH412-4	HH412-5
额定电压 Rated voltage	24V	125V	250V	380V/440V	380V/440V
重量 Weight	1.10kg	1.10kg	0.90kg	1.10kg	1.10kg

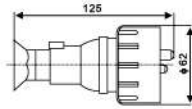
HNA10A/16A 船用铜质插头、插座

MARINE BRASS PLUG, SOCKET

技术参数 Technical parameter

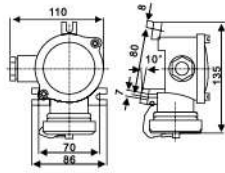
- 防护等级 Protection class: IP56
- 采用标准 Adopted standard : DIN89267/DIN89262
- 电缆外径 Cable outside diameter: $\Phi 14 \sim \Phi 16$

国际代码 International Code: 792886

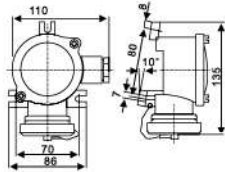


额定电压 Rated voltage	24V	125V	250V	500V	500V
插销示意图 Plug pin diagram					

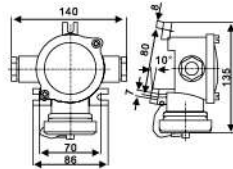
代号 Code	1142/MS				
一般电缆型号 General cable type	CTH101-1	CTH101-2	CTH101-3	CTH101-4	CTH101-5
屏蔽电缆型号 Shield cable type	CTH111-1	CTH111-2	CTH111-3	CTH111-4	CTH111-5
重量 Weight	0.56kg	0.57kg	1.97kg	0.57kg	0.58kg



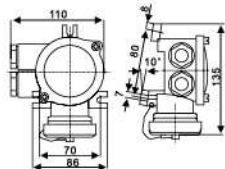
代号 Code	1141				
一般电缆型号 General cable type	CZH101-1	CZH101-2	CZH101-3	CZH101-4	CZH101-5
屏蔽电缆型号 Shield cable type	CZH111-1	CZH111-2	CZH111-3	CZH111-4	CZH111-5
重量 Weight	1.40kg	1.50kg	0.84kg	1.50kg	1.60kg



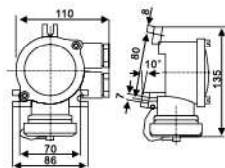
代号 Code	1141/R				
一般电缆型号 General cable type	CZH109-1	CZH109-2	CZH109-3	CZH109-4	CZH109-5
屏蔽电缆型号 Shield cable type	CZH119-1	CZH119-2	CZH119-3	CZH119-4	CZH119-5
重量 Weight	1.40kg	1.50kg	0.84kg	1.50kg	1.60kg



代号 Code	1141/D				
一般电缆型号 General cable type	CZH201-1	CZH201-2	CZH201-3	CZH201-4	CZH201-5
屏蔽电缆型号 Shield cable type	CZH211-1	CZH211-2	CZH211-3	CZH211-4	CZH211-5
重量 Weight	1.30kg	1.40kg	0.93kg	1.50kg	1.50kg



代号 Code	1141/2				
一般电缆型号 General cable type	CZH202-1	CZH202-2	CZH202-3	CZH202-4	CZH202-5
屏蔽电缆型号 Shield cable type	CZH212-1	CZH212-2	CZH212-3	CZH212-4	CZH212-5
重量 Weight	1.40kg	1.50kg	0.93kg	1.50kg	1.60kg

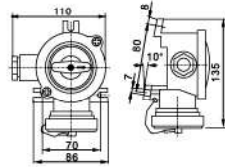


代号 Code	1141/2/R				
一般电缆型号 General cable type	CZH209-1	CZH209-2	CZH209-3	CZH209-4	CZH209-5
屏蔽电缆型号 Shield cable type	CZH219-1	CZH219-2	CZH219-3	CZH219-4	CZH219-5
重量 Weight	1.30kg	1.40kg	0.93kg	1.50kg	1.50kg

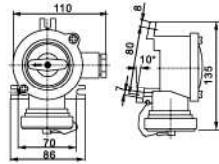
技术参数 Technical parameter

- 防护等级 Protection class: IP56
- 采用标准 Adopted standard: DIN89263
- 电缆外径 Cable outside diameter: $\Phi 14$ - $\Phi 16$

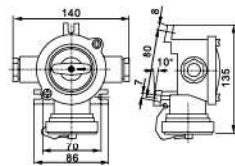
额定电压 Rated voltage	24V	125V	250V	500V	500V
插销示意图 Plug pin diagram					



代号 Code	1144				
一般电缆型号 General cable type	CZKH101-1	CZKH101-2	CZKH101-3	CZKH101-4	CZKH101-5
屏蔽电缆型号 Shield cable type	CZKH111-1	CZKH111-2	CZKH111-3	CZKH111-4	CZKH111-5
重量 Weight	1.50kg	1.60kg	1.60kg	1.60kg	1.70kg

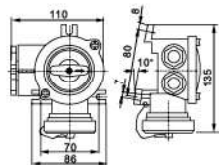


代号 Code	1144/R				
一般电缆型号 General cable type	CZKH109-1	CZKH109-2	CZKH109-3	CZKH109-4	CZKH109-5
屏蔽电缆型号 Shield cable type	CZKH119-1	CZKH119-2	CZKH119-3	CZKH119-4	CZKH119-5
重量 Weight	1.50kg	1.60kg	1.60kg	1.60kg	1.70kg

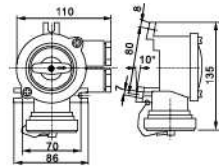


代号 Code	1144/D				
一般电缆型号 General cable type	CZKH201-1	CZKH201-2	CZKH201-3	CZKH201-4	CZKH201-5
屏蔽电缆型号 Shield cable type	CZKH211-1	CZKH211-2	CZKH211-3	CZKH211-4	CZKH211-5
重量 Weight	1.70kg	1.80kg	1.80kg	1.80kg	1.90kg

国际代码 International Code: 792887



代号 Code	1144/2				
一般电缆型号 General cable type	CZKH202-1	CZKH202-2	CZKH202-3	CZKH202-4	CZKH202-5
屏蔽电缆型号 Shield cable type	CZKH212-1	CZKH212-2	CZKH212-3	CZKH212-4	CZKH212-5
重量 Weight	1.70kg	1.80kg	1.20kg	1.80kg	1.90kg



代号 Code	1144/2/R				
一般电缆型号 General cable type	CZKH209-1	CZKH209-2	CZKH209-3	CZKH209-4	CZKH209-5
屏蔽电缆型号 Shield cable type	CZKH219-1	CZKH219-2	CZKH219-3	CZKH219-4	CZKH219-5
重量 Weight	1.70kg	1.80kg	1.80kg	1.80kg	1.90kg

HNA10A/16A 船用铜质接线盒

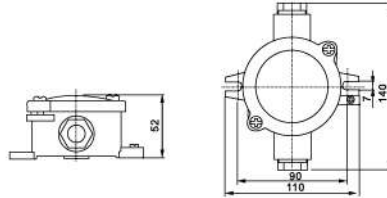
MARINE BRASS JUNCTION BOX

技术参数

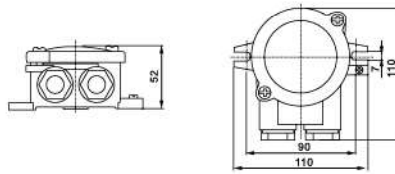
- 防护等级：IP56
- 采用标准：DIN89250
- 电缆外径：Φ14-Φ16

Technical parameter

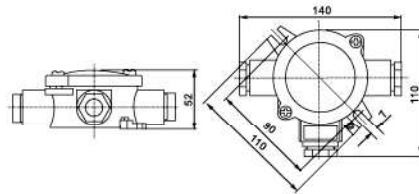
- Protection class: IP56
- Adopted standard: DIN89250
- Cable outside diameter: Φ14~Φ16



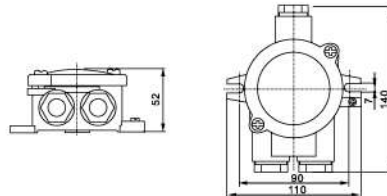
代号 Code	1151
一般电缆型号 General cable type	JXH201
屏蔽电缆型号 Shield cable type	JXH211
重量 Weight	0.80kg



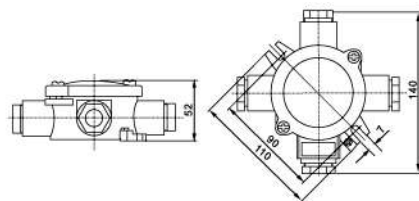
代号 Code	1150
一般电缆型号 General cable type	JXH202
屏蔽电缆型号 Shield cable type	JXH212
重量 Weight	0.80kg



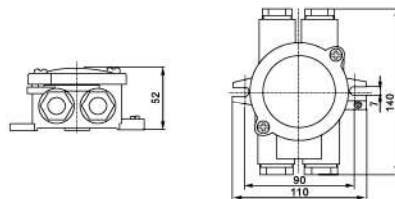
代号 Code	1152
一般电缆型号 General cable type	JXH301
屏蔽电缆型号 Shield cable type	JXH311
重量 Weight	0.90kg



代号 Code	1156
一般电缆型号 General cable type	JXH302
屏蔽电缆型号 Shield cable type	JXH312
重量 Weight	0.90kg



代号 Code	1153
一般电缆型号 General cable type	JXH401
屏蔽电缆型号 Shield cable type	JXH411
重量 Weight	1.00kg



代号 Code	1155
一般电缆型号 General cable type	JXH402
屏蔽电缆型号 Shield cable type	JXH412
重量 Weight	1.00kg














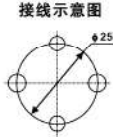
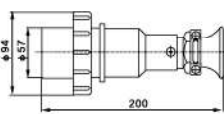
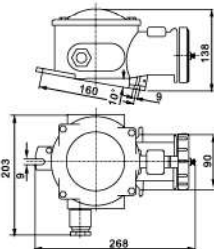
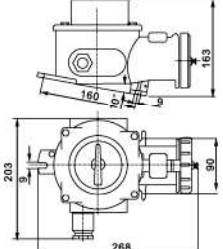
技术参数

- 额定电压：AC440/380V
- 额定电流：32A
- 防护等级：IP56
- 电缆外径：Φ18-Φ20

Technical parameter

- Rated voltage: AC440/380V
- Rated current: 32A
- Protection class: IP56
- Cable outside diameter: Φ18-Φ20

规格 Specifications

产品名称 Name	船用大电流插头 Marine high-current plug	船用大电流插座 Marine high-current socket	船用大电流带联锁开关插座 Marine high-current interlock switch socket
图片 Photos			
型号及示意图 Type & Sketch map	CTS3-2/15	 CZS3-2/115	 CZKLS3-2/115
		 CZS3-2/215	 CZKLS3-2/215
		 CZS3-2/415	 CZKLS3-2/415
		 CZS3-2/515	 CZKLS3-2/515
		 CZS3-2/715	 CZKLS3-2/715
重量 Weight	1.6kg	4.7-4.9kg	5.6-5.8kg
接线示意图 			

船用 16A 铜质插头 & 插座、带开关插座和带开关联锁插座

MARINE 16A BRASS PLUG & SOCKET, SOCKET WITH SWITCH AND SOCKET WITH INTERLOCK SWITCH


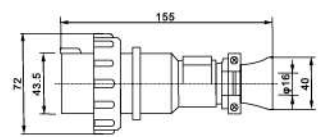


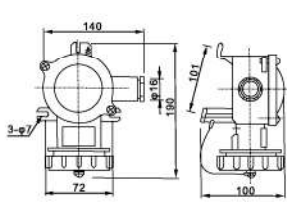







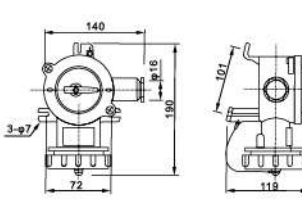





技术参数

- 防护等级：IP56
- 额定电流：16A
- 额定电压：250V、380/440V
- 相限：2P+E、3P+E

Technical parameter

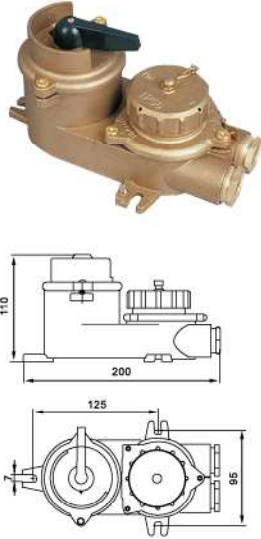
- Protection class: IP56
- Rated current: 16A
- Rated voltage: 250V, 380/440V
- Pole: 2P+E, 3P+E

规格 Specifications

产品名称 Name	型号及示意图 Type & Sketch map	电压 Voltage	相限 Pole	重量 Weight	外形尺寸 Outline dimensions
船用铜质插头 MARINE BRASS PLUG 	CTS2-2/I4	250V	2P+E	0.80kg	
	CTS3-2/I4	380V/440V	3P+E	0.90kg	
船用铜质插座 MARINE BRASS SOCKET 	 CZS2-2/114	250V	2P+E	2.50kg	
	 CZS2-2/214	250V	2P+E	2.50kg	
	 CZS2-2/714	250V	2P+E	2.65kg	
	 CZS3-2/114	380V/440V	3P+E	2.60kg	
	 CZS3-2/214	380V/440V	3P+E	2.60kg	
	 CZS3-2/714	380V/440V	3P+E	2.75kg	
船用开关带插座 MARINE BRASS SOCKET WITH SWITCH 	 CZKS2-2/114	250V	2P+E	2.55kg	
	 CZKS2-2/214	250V	2P+E	2.55kg	
	 CZKS2-2/714	250V	2P+E	2.60kg	
	 CZKS3-2/114	380V/440V	3P+E	2.55kg	
	 CZKS3-2/214	380V/440V	3P+E	2.55kg	
	 CZKS3-2/714	380V/440V	3P+E	1.75kg	

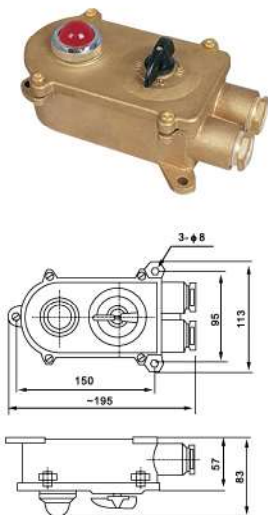
船用铜质带联锁开关插座 MARINE BRASS INTERLOCK SWITCH SOCKET

技术参数 Technical parameter



插孔示意图 Plug pin diagram				
额定电压 Rated voltage	125V	250V	500V	500V
型号 Type	CZKLS2-2/D	CZKLS2-2/D2	CZKLS2-2/D3	CZKLS3-2/D3
额定电流 Rated current	10A	10A	10A	10A
重量 Weight	2.14kg	2.14kg	2.14kg	2.16kg
防护等级 Protection class	IP56			
电缆外径 Cable outside diameter	Φ14-Φ16			

船用铜质带指示灯开关 MARINE BRASS SWITCH WITH INDICATOR LIGHT



型号 Type	HSD2-2
额定电压 Rated voltage	250V
额定电流 Rated current	10A
重量 Weight	1.63kg
防护等级 Protection class	IP56
电缆外径 Cable outside diameter	Φ14-Φ16

10A 船用尼龙开关

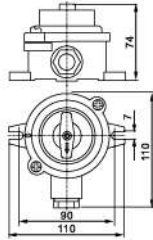
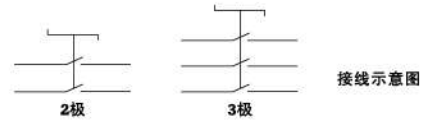
MARINE NYLON SWITCH

技术参数

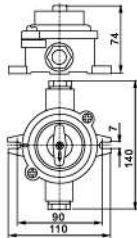
- 防护等级：IP56
- 采用标准：DIN89270
- 电缆外径：Φ14-Φ16

Technical parameter

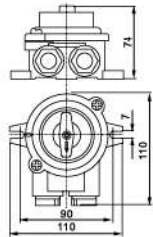
- Protection class: IP56
- Adopted standard: DIN89270
- Cable outside diameter: Φ14~Φ16



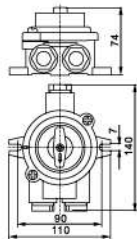
代号 Code	1133/FS				
型号 Type	HS101-1	HS101-2	HS101-3	HS101-4	HS101-5
额定电压 Rated voltage	24V	125V	250V	380V/440V	380V/440V
重量 Weight	0.22kg	0.22kg	0.32kg	0.22kg	0.22kg



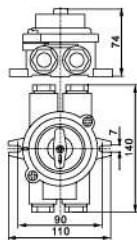
代号 Code	1133/D/FS				
型号 Type	HS201-1	HS201-2	HS201-3	HS201-4	HS201-5
额定电压 Rated voltage	24V	125V	250V	380V/440V	380V/440V
重量 Weight	0.23kg	0.23kg	0.29kg	0.23kg	0.23kg



代号 Code	1133/2/FS				
型号 Type	HS202-1	HS202-2	HS202-3	HS202-4	HS202-5
额定电压 Rated voltage	24V	125V	250V	380V/440V	380V/440V
重量 Weight	0.23kg	0.23kg	0.28kg	0.23kg	0.23kg



代号 Code	1133/3/FS				
型号 Type	HS302-1	HS302-2	HS302-3	HS302-4	HS302-5
额定电压 Rated voltage	24V	125V	250V	380V/440V	380V/440V
重量 Weight	0.24kg	0.24kg	0.30kg	0.24kg	0.24kg



代号 Code	1133/2D/FS				
型号 Type	HS402-1	HS402-2	HS402-3	HS402-4	HS402-5
额定电压 Rated voltage	24V	125V	250V	380V/440V	380V/440V
重量 Weight	0.25kg	0.25kg	0.32kg	0.25kg	0.25kg

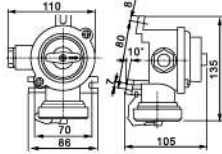
10A 船用尼龙开关带插座

MARINE NYLON SOCKET WITH SWITCH

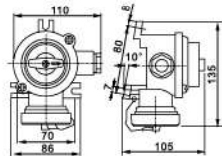
技术参数 Technical parameter

- 防护等级 Protection class: IP56
- 采用标准 Adopted standard: DIN89263
- 电缆外径 Cable outside diameter: $\Phi 14$ - $\Phi 16$

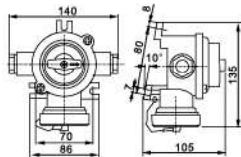
额定电压 Rated voltage	24V	125V	250V	500V	500V
插销示意图 Plug pin diagram					



代号 Code	1144/FS				
型号 Type	CZKS101-1	CZKS101-2	CZKS101-3	CZKS101-4	CZKS101-5
重量 Weight	0.37kg	0.35kg	0.35kg	0.35kg	0.47kg

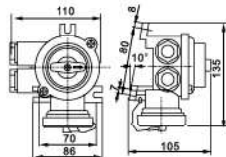


代号 Code	1144/FS				
型号 Type	CZKS109-1	CZKS109-2	CZKS109-3	CZKS109-4	CZKS109-5
重量 Weight	0.35kg	0.35kg	0.39kg	0.35kg	0.47kg

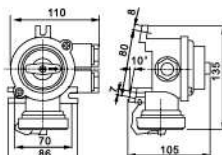


代号 Code	1144/D/FS				
型号 Type	CZKS201-1	CZKS201-2	CZKS201-3	CZKS201-4	CZKS201-5
重量 Weight	0.37kg	0.37kg	0.37kg	0.37kg	0.49kg

国际代码 International Code:792882



代号 Code	1144/2/FS				
型号 Type	CZKS202-1	CZKS202-2	CZKS202-3	CZKS202-4	CZKS202-5
重量 Weight	0.37kg	0.37kg	0.39kg	0.37kg	0.48kg



代号 Code	1144/2/R/FS				
型号 Type	CZKS209-1	CZKS209-2	CZKS209-3	CZKS209-4	CZKS209-5
重量 Weight	0.37kg	0.37kg	0.47kg	0.37kg	0.48kg

10A 船用尼龙接线盒

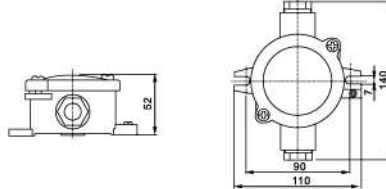
MARINE NYLON JUNCTION BOX

技术参数

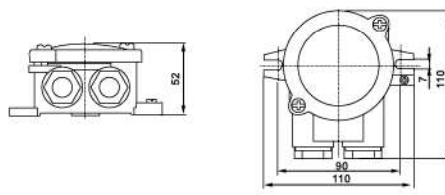
- 防护等级：IP56
- 采用标准：DIN89250
- 电缆外径：Φ14-Φ16

Technical parameter

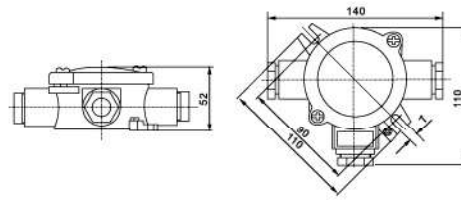
- Protection class: IP56
- Adopted standard: DIN89250
- Cable outside diameter: Φ14~Φ16



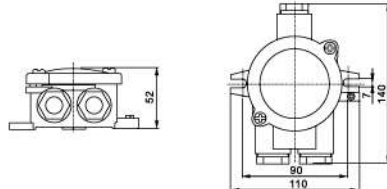
代号 Code	1151/FS
型号 Type	JXS201
重量 Weight	0.20kg



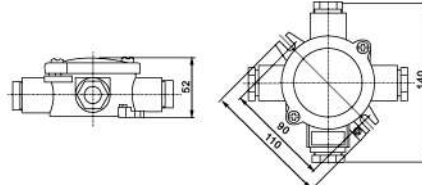
代号 Code	1150/FS
型号 Type	JXS202
重量 Weight	0.20kg



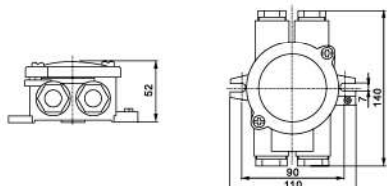
代号 Code	1152/FS
型号 Type	JXS301
重量 Weight	0.25kg



代号 Code	1156/FS
型号 Type	JXS302
重量 Weight	0.22kg



代号 Code	1153/FS
型号 Type	JXS401
重量 Weight	0.24kg



代号 Code	1155/FS
型号 Type	JXS402
重量 Weight	0.24kg

技术参数 Technical parameter

- 防护等级 Protection class: IP56
- 采用标准 Adopted standard: DIN89267/DIN89262
- 电缆外径 Cable outside diameter: $\Phi 14-\Phi 16$

国际代码 International Code: 792881

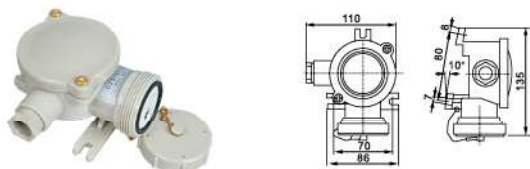


额定电压 Rated voltage	24V	125V	250V	500V	500V
插销示意图 Plug pin diagram					

代号 Code	1142/FS				
型号 Type	CTS101-1	CTS101-2	CTS101-3	CTS101-4	CTS101-5
重量 Weight	0.2kg	0.2kg	0.15kg	0.2kg	0.16kg



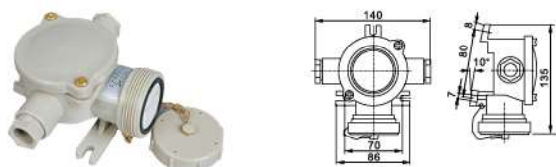
代号 Code	1145/FS				
型号 Type	CZS102-1	CZS102-2	CZS102-3	CZS102-4	CZS102-5
重量 Weight	0.2kg	0.2kg	0.2kg	0.2kg	0.36kg



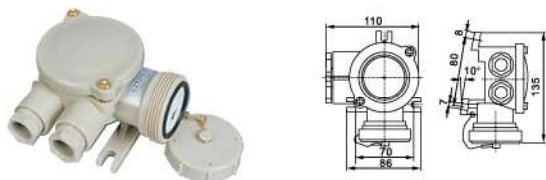
代号 Code	1141/FS				
型号 Type	CZS101-1	CZS101-2	CZS101-3	CZS101-4	CZS101-5
重量 Weight	0.3kg	0.3kg	0.3kg	0.3kg	0.34kg



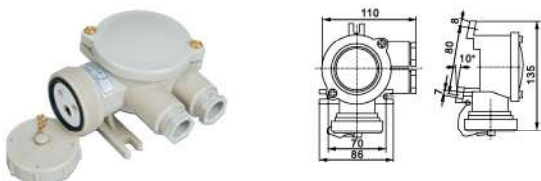
代号 Code	1141/R/FS				
型号 Type	CZS109-1	CZS109-2	CZS109-3	CZS109-4	CZS109-5
重量 Weight	0.3kg	0.3kg	0.3kg	0.3kg	0.34kg



代号 Code	1141/D/FS				
型号 Type	CZS201-1	CZS201-2	CZS201-3	CZS201-4	CZS201-5
重量 Weight	0.31kg	0.31kg	0.34kg	0.31kg	0.36kg



代号 Code	1141/2/FS				
型号 Type	CZS202-1	CZS202-2	CZS202-3	CZS202-4	CZS202-5
重量 Weight	0.31kg	0.31kg	0.36kg	0.31kg	0.35kg










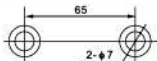
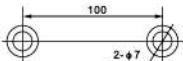





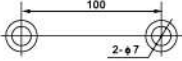
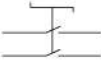
代号 Code	1141/2/R/FS				
型号 Type	CZS209-1	CZS209-2	CZS209-3	CZS209-4	CZS209-5
重量 Weight	0.31kg	0.31kg	0.36kg	0.31kg	0.36kg

船用尼龙水密插头、插座及开关、接线盒

MARINE NYLON WATER-TIGHT PLUG, SOCKET SWITCH AND JUNCTION BOX

规格 Specifications

产品名称 Name			船用插头 Marine plug	船用插座 Marine socket	船用带开关插座 Marine socket with switch	
插(塞)孔示意图 Plug pin sketch map	电压 Voltage	图片 Photos				
	250V	型号 Type	CTF2-1	CZF2-1		
		重量 Weight	0.12kg	0.18kg		
	250V	型号 Type	CTF2-2	CZF2-2	CZKF2-2	CZKF2-4
		重量 Weight	0.11 kg	0.21kg	0.45kg	0.5kg
	125V	型号 Type	CTF2-3	CZF2-3	CZKF2-3	CZKF2-5
		重量 Weight	0.12kg	0.21kg	0.44kg	0.45kg
	500V	型号 Type	CTF3-1	CZF3-1		
		重量 Weight	0.11 kg	0.21kg		
	500V	型号 Type	CTF3-2	CZF3-2	CZKF3-2	
		重量 Weight	0.13kg	0.22kg	0.46kg	
安装尺寸 Dimension						

产品名称 Name		船用开关 Marine switch		
电压 Voltage	图片 Photos			
250V	型号 Type	HF2-2	HF3-1	HF4-1
	重量 Weight	0.35kg	0.38kg	0.4kg
安装尺寸 Dimension				 接线示意图

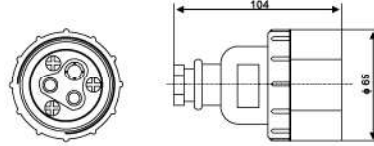
产品名称 Name				船用接线盒 Marine junction box	
插(塞)孔示意图 Plug pin sketch map	填料函 Gland	电压 Voltage	图片 Photos		
	4-Φ16	250V	型号 Type	JXF4-1	JXF4-2
			重量 Weight	0.28kg	0.26kg
	3-Φ16 1-Φ16	500V	型号 Type	JXF4-3	
			重量 Weight	0.32kg	
安装尺寸 Dimension					

技术参数

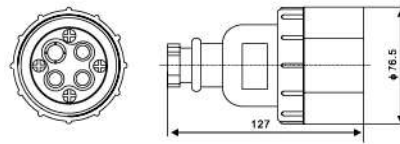
- 材质：合成树脂
- 防护等级：IP56
- 符合 JISF8832、8833 标准

Technical parameter

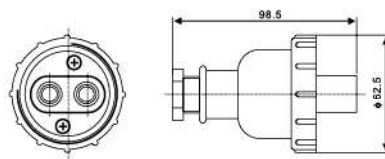
- Material: synthetic resin
- Protection class: IP56
- Conform to JISF8832, 8833 standard



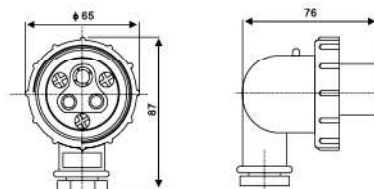
型号 Type	T-1MA
国际代码 International code	792801
电压 Voltage	250V
电流 Current	20A
电缆外径 Cable outside diameter	Φ10-Φ11



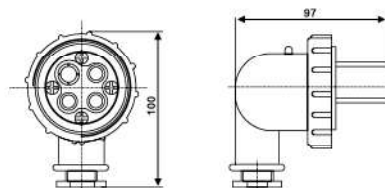
型号 Type	T-2MA
国际代码 International code	792803
电压 Voltage	250V
电流 Current	20A
电缆外径 Cable outside diameter	Φ14-Φ16



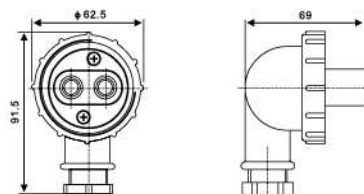
型号 Type	T-MA
国际代码 International code	
电压 Voltage	24V
电流 Current	10A
电缆外径 Cable outside diameter	Φ10-Φ11



型号 Type	T-1MB
国际代码 International code	792802
电压 Voltage	250V
电流 Current	20A
电缆外径 Cable outside diameter	Φ10-Φ11



型号 Type	T-2MB
国际代码 International code	792804
电压 Voltage	250V
电流 Current	20A
电缆外径 Cable outside diameter	Φ14-Φ16



型号 Type	T-MB
国际代码 International code	
电压 Voltage	24V
电流 Current	10A
电缆外径 Cable outside diameter	Φ10-Φ11

船用水密插座、开关带插座

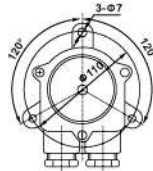
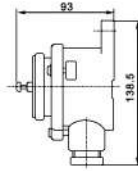
MARINE SOCKET, SOCKET WITH SWITCH

技术参数

- 材质：合成树脂
- 防护等级：IP56
- 符合 JISF8832、8833 标准

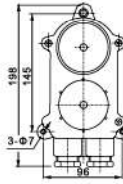
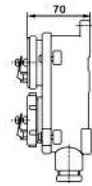
Technical parameter

- Material: synthetic resin
- Protection class: IP56
- Conform to JISF8832, 8833 standard



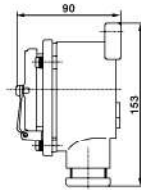
插座 Socket

型号 Type	Z-1M
国际代码 International code	792806
电压 Voltage	2P+E 250V
电流 Current	20A
电缆外径 Cable outside diameter	Φ14-Φ16



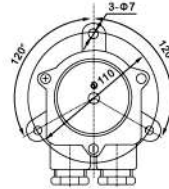
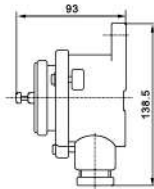
双联防水插座 Dual waterproof socket

型号 Type	Z-2M
国际代码 International code	792831
电压 Voltage	(2P+E)×2 250V
电流 Current	15A
电缆外径 Cable outside diameter	Φ14-Φ16



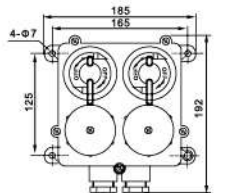
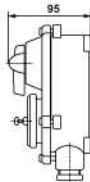
防水插座 Waterproof socket

型号 Type	Z-2MA
国际代码 International code	792807
电压 Voltage	3P+E 250V
电流 Current	15A
电缆外径 Cable outside diameter	Φ18-Φ20



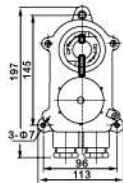
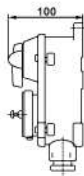
插座 Socket

型号 Type	Z-M
国际代码 International code	
电压 Voltage	2P 24V
电流 Current	10A
电缆外径 Cable outside diameter	Φ14-Φ16



防水带开关双联插座箱 Waterproof dual socket box with switch

型号 Type	CZXS
国际代码 International code	792832
电压 Voltage	(2P+E)×2 250V
电流 Current	20A
电缆外径 Cable outside diameter	Φ14-Φ16



防水带开关插座 Waterproof socket with switch

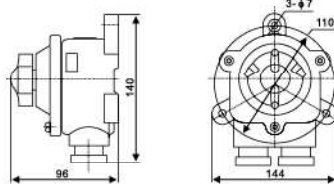
型号 Type	KZ-S2MR
国际代码 International code	792808
电压 Voltage	(2P+E)×2 250V
电流 Current	10A
电缆外径 Cable outside diameter	Φ14-Φ16

技术参数

- 材质：合成树脂
- 防护等级：IP56
- 符合 JISF8832、8833 标准

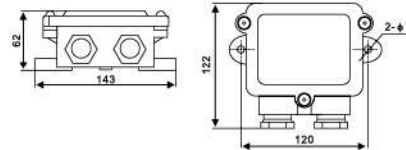
Technical parameter

- Material: synthetic resin
- Protection class: IP56
- Conform to JISF8832, 8833 standard



防水开关 Waterproof switch

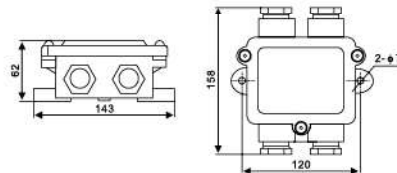
型号 Type	K-2MR
国际代码 International code	793017
电压 Voltage	250V
电流 Current	10A
电缆外径 Cable outside diameter	Φ14-Φ16



内部采用独立式接线端子 The inner adopt independant terminal

船用接线盒 Marine junction box

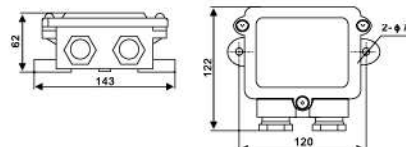
型号 Type	J-1M
国际代码 International code	794831
电压 Voltage	250V
电流 Current	20A
电缆外径 Cable outside diameter	Φ14-Φ16



内部采用独立式接线端子 The inner adopt independant terminal

船用接线盒 Marine junction box

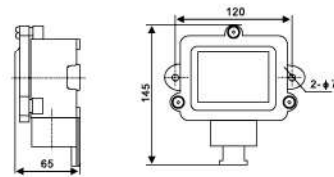
型号 Type	J-2M
国际代码 International code	794833
电压 Voltage	250V
电流 Current	20A
电缆外径 Cable outside diameter	Φ14-Φ16



内部采用连体式接线端子 The inner adopt join terminal

船用接线盒 Marine junction box

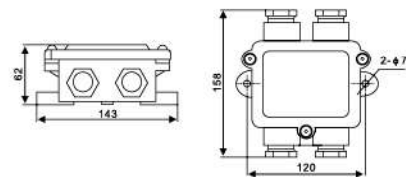
型号 Type	1N-PB
国际代码 International code	
电压 Voltage	500V
电流 Current	20A
电缆外径 Cable outside diameter	Φ14-Φ16



内部采用连体式接线端子 The inner adopt join terminal

船用接线盒 Marine junction box

型号 Type	1N-PC
国际代码 International code	
电压 Voltage	500V
电流 Current	20A
电缆外径 Cable outside diameter	Φ14-Φ16



内部采用连体式接线端子 The inner adopt join terminal

船用接线盒 Marine junction box

型号 Type	2N-PB
国际代码 International code	
电压 Voltage	500V
电流 Current	20A
电缆外径 Cable outside diameter	Φ14-Φ16

插座 (配套 CXD8 白昼信号灯)

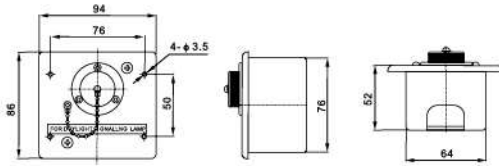
SOCKET (FITTING DAYLIGHT SIGNAL LIGHT CXD8)

技术参数

◆ 材质：合成树脂 ◆ 防护等级：IP56 ◆ 符合 JISF8832、8833 标准

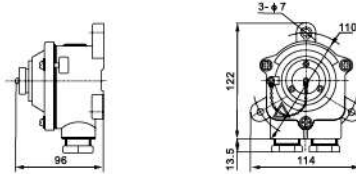
Technical parameter

◆ Material: synthetic resin ◆ Protection class: IP56
◆ Conform to JISF8832, 8833 standard



型号 Type	RE-254FP
防护等级 Protection class	IP20
重量 Weight	0.21kg
电容量 Capacity	24V/5A

国际代码 International Code:330648



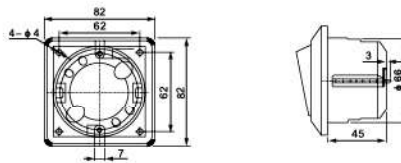
型号 Type	RE-254P
防护等级 Protection class	IP56
重量 Weight	0.43kg
电容量 Capacity	24V/5A

舱室开关、插头、插座、接线盒系列

SERIES OF CABIN SWITCH, PLUG, SOCKET AND JUNCTION BOX

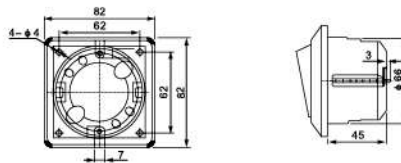
技术参数 Technical parameter

防护等级 Protection class: IP20 符合标准 Conform to standard : GB2099 , IEC884-1



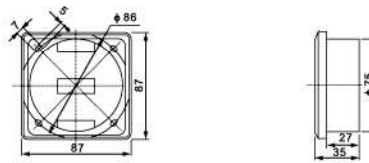
舱室开关 82 型 Cabin switch

型号 Type	HE-2N-1 6 位
电压 Voltage	250V
电流 Current	16A
备注 Notes	配 JXN-5 暗盒 Wthe JXN-5 hidden box



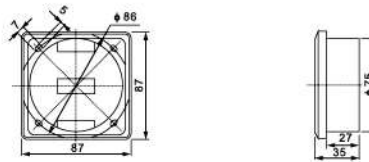
舱室开关 82 型 Cabin switch

型号 Type	HE-2N-2 6 位
电压 Voltage	250V
电流 Current	16A
备注 Notes	配 JXN-5 暗盒 Wthe JXN-5 hidden box



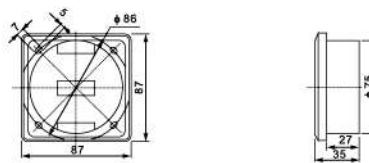
舱室开关 86 型 Cabin switch

型号 Type	HE-2N-1(M) 6 位
电压 Voltage	250V
电流 Current	16A
备注 Notes	配 JXN-5 暗盒 Wthe JXN-5 hidden box



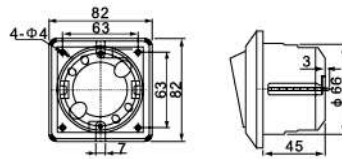
舱室开关 86 型 Cabin switch

型号 Type	HE-2N-2(M) 6 位
电压 Voltage	250V
电流 Current	16A
备注 Notes	配 JXN-5 暗盒 Wthe JXN-5 hidden box



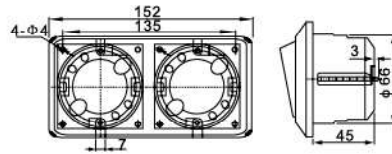
舱室开关 86 型 Cabin switch

型号 Type	HE-2N-3(M) 12 位
电压 Voltage	250V
电流 Current	16A
备注 Notes	配 JXN-5 暗盒 Wthe JXN-5 hidden box



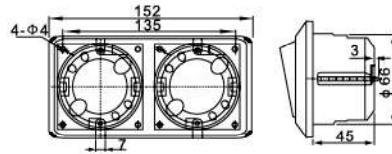
暗装舱室开关 Flush-type Cabin Switch

型号 Type	ABK1-A
电压 Voltage	250V
电流 Current	16A
备注 Notes	配 JXN-5 暗盒 Wthe JXN-5 hidden box



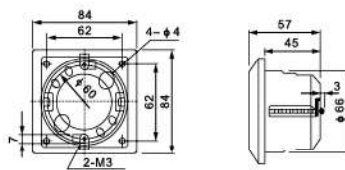
暗装舱室开关 Flush-type Cabin Switch

型号 Type	ABK2-A
电压 Voltage	250V
电流 Current	16A
备注 Notes	配 JXN-5 暗盒 Wthe JXN-5 hidden box



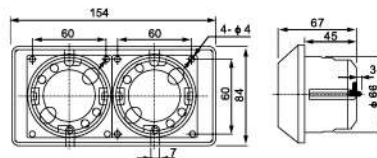
暗装舱室开关插座 Flush-type Cabin Switch Socket

型号 Type	ABK1C1-A
电压 Voltage	250V
电流 Current	16A
备注 Notes	配 JXN-5 暗盒 Wthe JXN-5 hidden box



暗装舱室插座 Flush-type Cabin Socket

型号 Type	ABC1-A
电压 Voltage	250V
电流 Current	16A
备注 Notes	配 JXN-5 暗盒 Wthe JXN-5 hidden box

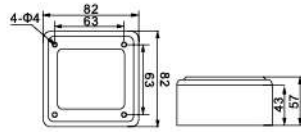


暗装舱室插座 Flush-type Cabin Socket

型号 Type	ABC2-A
电压 Voltage	250V
电流 Current	16A
备注 Notes	配 JXN-5 暗盒 Wthe JXN-5 hidden box

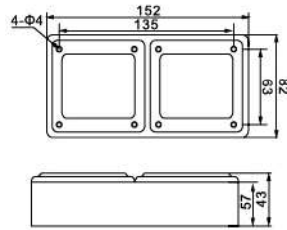
舱室开关、插头、插座、接线盒系列

SERIES OF CABIN SWITCH, PLUG, SOCKET AND JUNCTION BOX



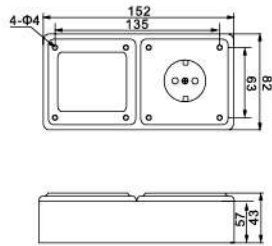
明装舱室开关 Surface-type Switch

型号 Type	ABK1-A(M)
电压 Voltage	250V
电流 Current	16A
备注 Notes	配 JXN-6 暗盒 Wthe JXN-6 hidden box



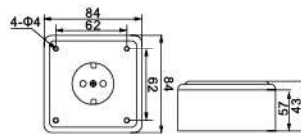
明装舱室开关 Surface-type Switch

型号 Type	ABK2-A(M)
电压 Voltage	250V
电流 Current	16A
备注 Notes	配 JXN-7 暗盒 Wthe JXN-7 hidden box



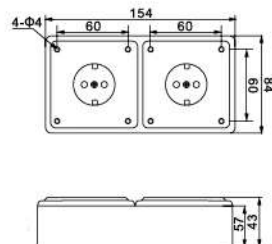
明装舱室开关插座 Surface-type Cabin Switch Socket

型号 Type	ABK1C1-A(M)
电压 Voltage	250V
电流 Current	16A
备注 Notes	配 JXN-7 暗盒 Wthe JXN-7 hidden box



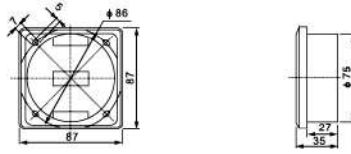
明装舱室插座 Surface-type Cabin Socket

型号 Type	ABC1-A(M)
电压 Voltage	250V
电流 Current	16A
备注 Notes	配 JXN-6 暗盒 Wthe JXN-6 hidden box



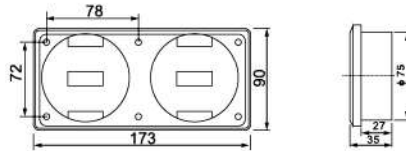
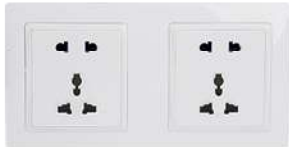
明装舱室插座 Surface-type Cabin Socket

型号 Type	ABC2-A (M)
电压 Voltage	250V
电流 Current	16A
备注 Notes	配 JXN-7 暗盒 Wthe JXN-7 hidden box



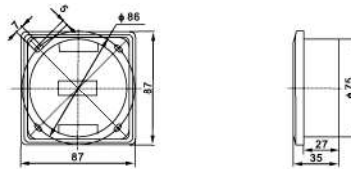
舱室插座 Cabin socket

型号 Type	CZE2-2B-2N
电压 Voltage	250V
电流 Current	10A
备注 Notes	配 JXN-5 暗盒 Wthe JXN-5 hidden box



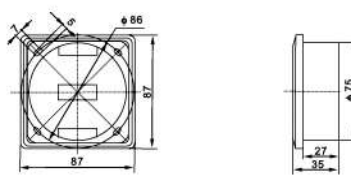
舱室插座 Cabin socket

型号 Type	CZE2-2B-2W
电压 Voltage	250V
电流 Current	10A
备注 Notes	配 JXN-5 暗盒 Wthe JXN-5 hidden box



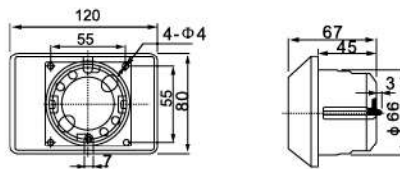
舱室插座 Cabin socket

型号 Type	CZE2-2Y-1N
电压 Voltage	250V
电流 Current	16A
备注 Notes	配 JXN-3 暗盒 Wthe JXN-3 hidden box



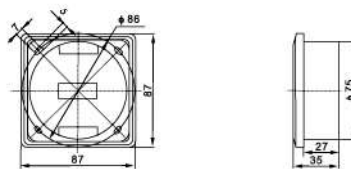
舱室插座 Cabin socket

型号 Type	CZE2-2B-1N
电压 Voltage	250V
电流 Current	16A
备注 Notes	配 JXN-5 暗盒 Wthe JXN-5 hidden box



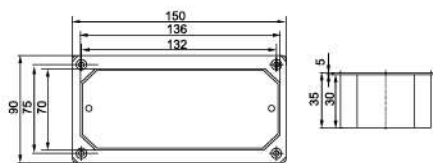
舱室插座 Cabin socket

型号 Type	CZE2-2N-2N
电压 Voltage	250V
电流 Current	16A
备注 Notes	配 JXN-5 暗盒 Wthe JXN-5 hidden box



舱室插座 Cabin socket

型号 Type	CZE2-2B-1Y
电压 Voltage	250V
电流 Current	13A
备注 Notes	配 JXN-3 暗盒 Wthe JXN-3 hidden box



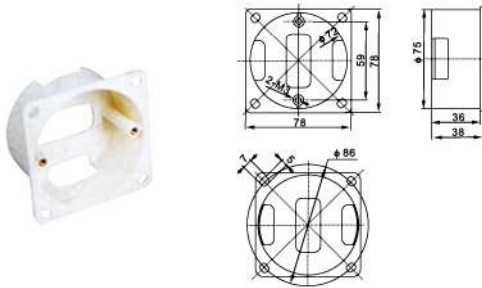
舱室插座 Cabin socket

型号 Type	CZE2-2B-2Y
电压 Voltage	250V
电流 Current	13A
备注 Notes	配 JXN-8 暗盒 Wthe JXN-8 hidden box

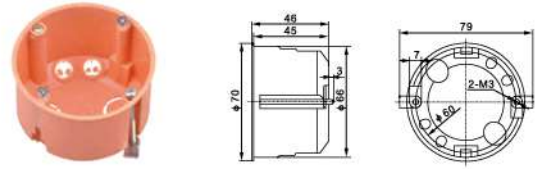
舱室开关、插头、插座、接线盒系列

SERIES OF CABIN SWITCH, PLUG, SOCKET AND JUNCTION BOX

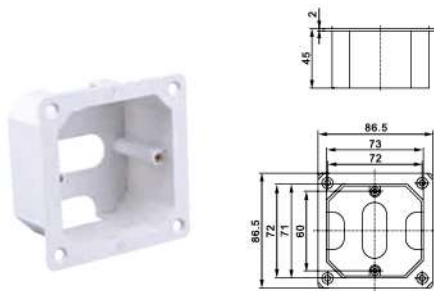
JXN-1 暗盒 hidden box



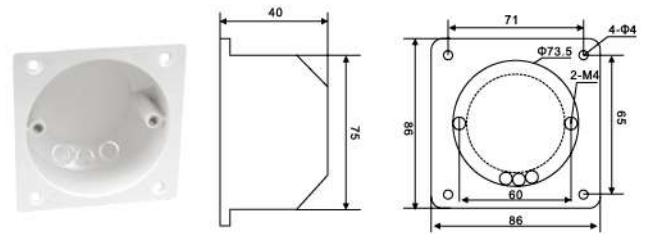
JXN-2 暗盒 hidden box



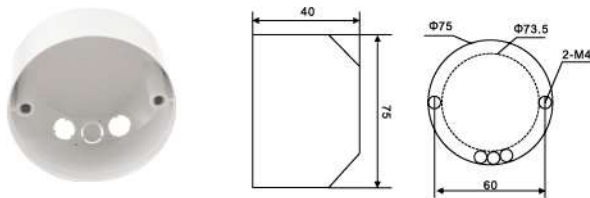
JXN-3 暗盒 hidden box



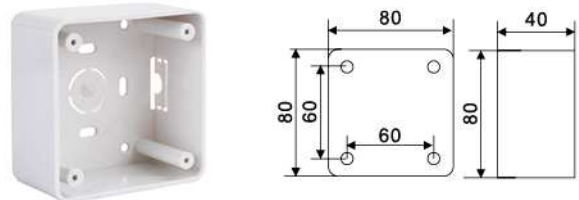
JXN-4 暗盒 hidden box



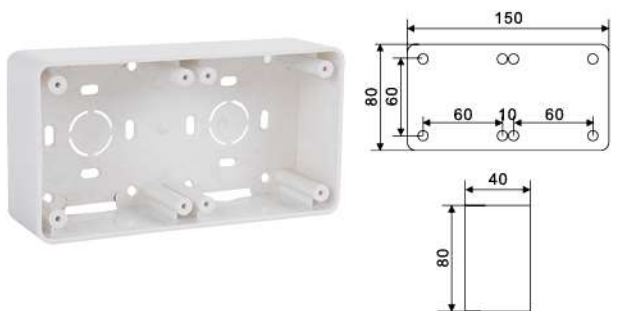
JXN-5 暗盒 hidden box



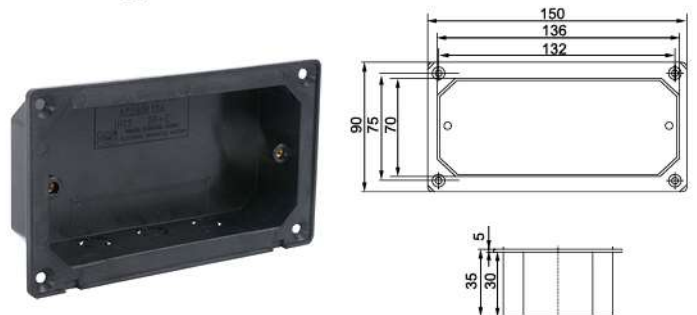
JXN-6 暗盒 hidden box

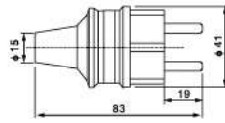


JXN-7 暗盒 hidden box



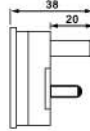
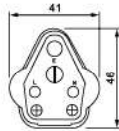
JXN-8 暗盒 hidden box





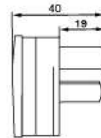
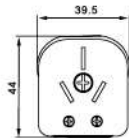
舱室插头 Cabin plug

型号 Type	CCT2-2
电压 Voltage	250V
电流 Current	16A



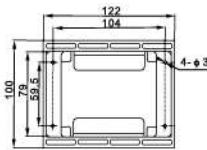
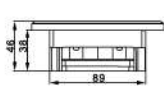
舱室插头 Cabin plug

型号 Type	CTE2-2Y-1
电压 Voltage	250V
电流 Current	10A



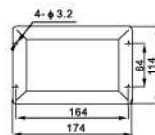
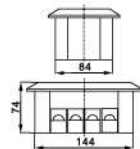
舱室插头 Cabin plug

型号 Type	CTE-2B-1
电压 Voltage	250V
电流 Current	10A



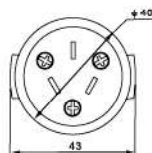
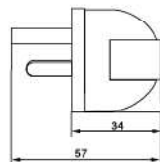
舱室接线盒 Cabin junction box

型号 Type	JXE-4	JXE-8
电压 Voltage	4 路 Entries 250V	8 路 Entries 250V
电流 Current	16A	16A



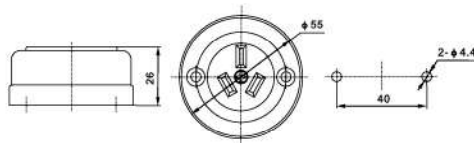
带熔断器舱室接线盒 Cabin junction box with fuse

型号 Type	JXR10-8	JXR10-4
电压 Voltage	8 路 Entries 220V/110V	4 路 Entries 220V/110V
电流 Current	10A	10A



插头 Plug

型号 Type	UB-1B
国际代码 International code	792904
电压 Voltage	250V
电流 Current	15A



插座 Socket

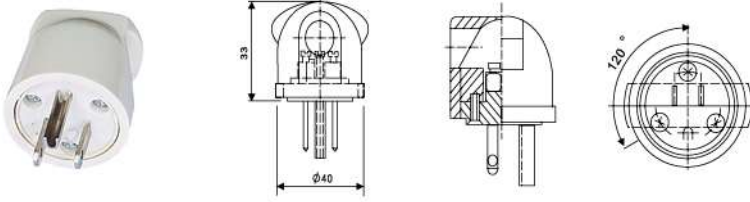
型号 Type	UB-1
国际代码 International code	792905
电压 Voltage	250V
电流 Current	15A

舱室开关、插头、插座、接线盒系列

SERIES OF CABIN SWITCH, PLUG, SOCKET AND JUNCTION BOX

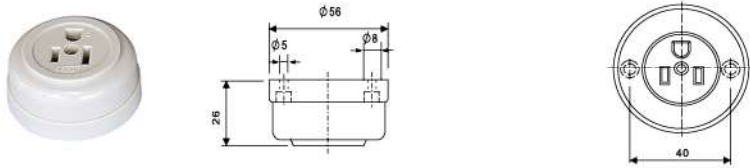
技术参数 Technical parameter

防护等级 Protection class: IP20 符合标准 Conform to standard: GB2099, IEC884-1



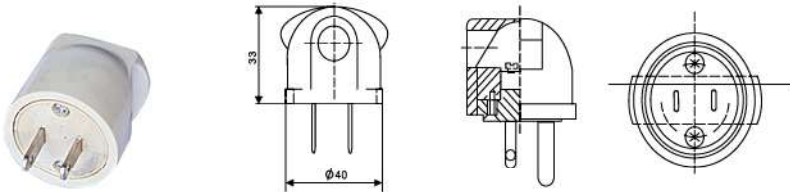
舱室插头 Cabin plug

型号 Type	792901
电压 Voltage	250V
电流 Current	15A



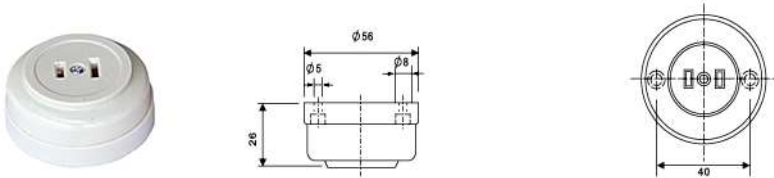
舱室插座 Cabin socket

型号 Type	792902
电压 Voltage	250V
电流 Current	15A



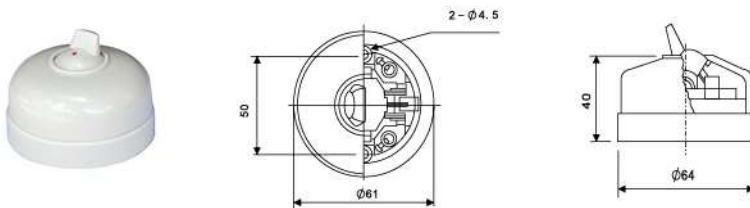
舱室插头 Cabin plug

型号 Type	UB 792951
电压 Voltage	250V
电流 Current	15A



舱室插座 Cabin socket

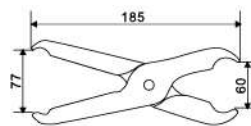
型号 Type	U 792952
电压 Voltage	250V
电流 Current	15A



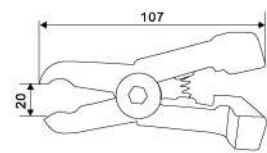
舱室开关 Cabin Switch

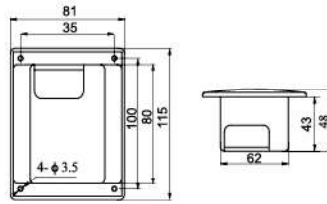
型号 Type	793001
电压 Voltage	250V
电流 Current	15A

793736

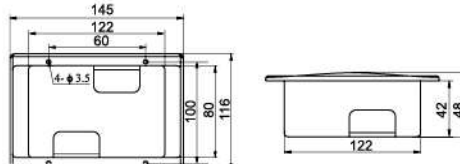


793737

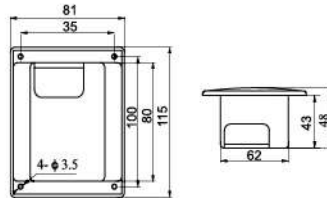




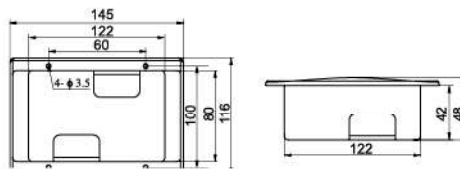
型号 Type	URF-1
国际代码 International code	792973
电压 Voltage	125V 250V
电流 Current	15A 10A
符合标准 Standard	JISF8835



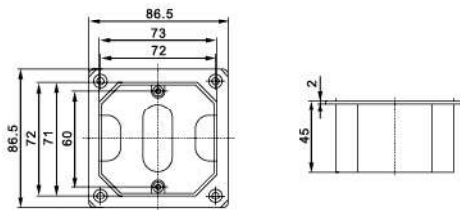
型号 Type	URF-2
国际代码 International code	792974
电压 Voltage	125V 250V
电流 Current	15A 10A
符合标准 Standard	JISF8835



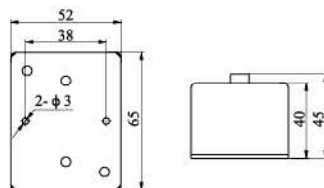
国际代码 International code	793061
电压 Voltage	125V 250V
电流 Current	15A 10A
符合标准 Standard	JISF8503



国际代码 International code	793062
电压 Voltage	125V 250V
电流 Current	15A 10A
符合标准 Standard	JISF8503



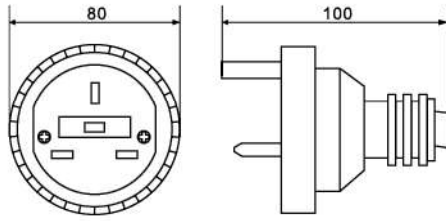
国际代码 International code	793067
电压 Voltage	125V 250V
电流 Current	15A 10A
符合标准 Standard	JISF8503



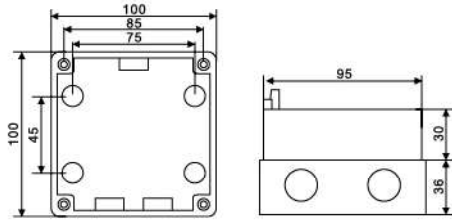
型号 Type	NS-2P1
国际代码 International code	793091
电压 Voltage	125V 250V
电流 Current	15A 10A
符合标准 Standard	JISF8503

舱室开关、插头、插座、接线盒系列

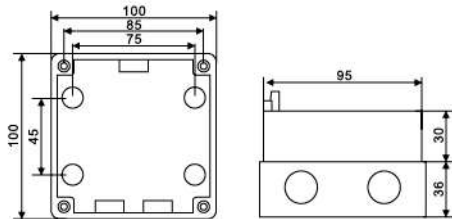
SERIES OF CABIN SWITCH, PLUG, SOCKET AND JUNCTION BOX



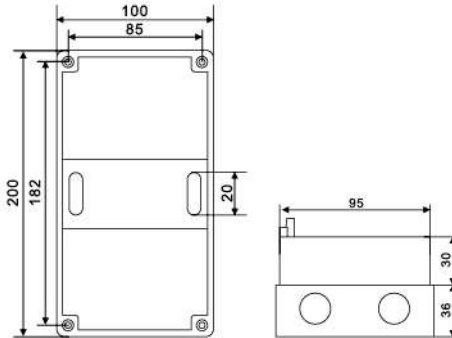
型号 Type	CTE-1Y
电压 Voltage	250V
电流 Current	10A 16A
备注 Notes	英标 British standard



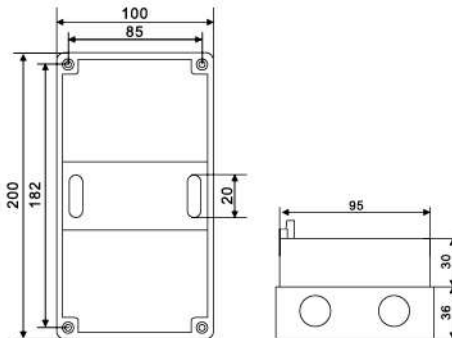
型号 Type	CZE-1M
电压 Voltage	250V
电流 Current	10A 16A
备注 Notes	国标 欧标 National standard European standard



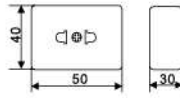
型号 Type	CZE-1Y
电压 Voltage	250V
电流 Current	10A 16A
备注 Notes	英标 British standard



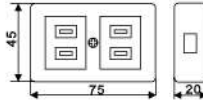
型号 Type	CZE-1K-1Y
电压 Voltage	250V
电流 Current	10A 16A
备注 Notes	英标 British standard



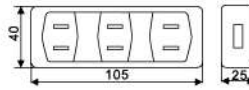
型号 Type	CZE-1K-1M
电压 Voltage	250V
电流 Current	10A 16A
备注 Notes	国标 欧标 National standard European standard



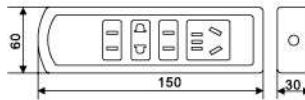
国际代码 International code	792976
电压 Voltage	125V 250V
电流 Current	15A 10A
符合标准 Standard	JISF8503



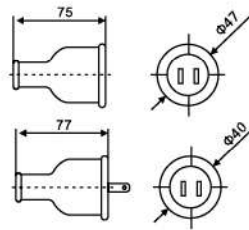
国际代码 International code	792977
电压 Voltage	125V 250V
电流 Current	15A 10A
符合标准 Standard	JISF8503



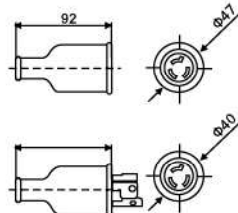
国际代码 International code	792978
电压 Voltage	125V 250V
电流 Current	15A 10A
符合标准 Standard	JISF8503



国际代码 International code	792979
电压 Voltage	125V 250V
电流 Current	15A 10A
符合标准 Standard	JISF8503



国际代码 International code	794751 794752
电压 Voltage	250V
电流 Current	15A 20A
符合标准 Standard	JISF8503



国际代码 International code	794753 794754
电压 Voltage	250V
电流 Current	15A 20A
符合标准 Standard	JISF8503

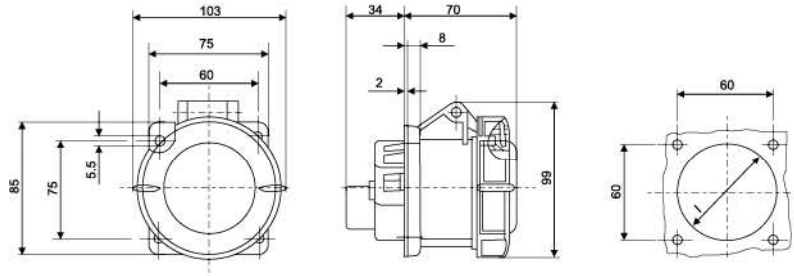
冷藏插头、插座

REEFER PLUG SOCKET

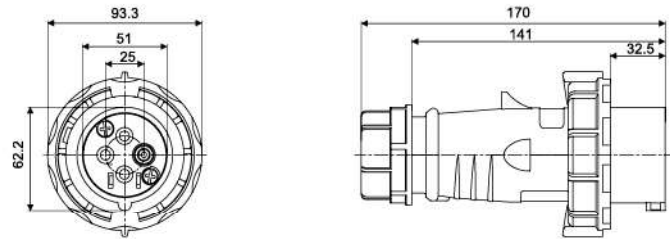
型号 Type	防护等级 Protection class	外壳材料 Material	插芯材质 Ferrule Material	额定电压 Rated Voltage	额定电流 Rated Current	相限 Phase limit	重量 Weight	电缆外径 Cable outside diameter	标准 Standard
CRZ-14432P/CRZ-14463P	IP67	阻燃尼龙 Flame proof nylon	黄铜 brass	AC 380 440V	32A/63A	3P+E	0.35/0.5kg	Φ20	IEC60309 ISO 1496/II CEE-17
CRT-14432P/CRT-14463P							0.35/0.5kg		
CRL-14432P/CRL-14463P							0.55/0.8kg		
CZM-14432P/CZM-14463P							0.8/1.2kg		
CRLS-14432P/CRLS-14463P							1.2/2kg		



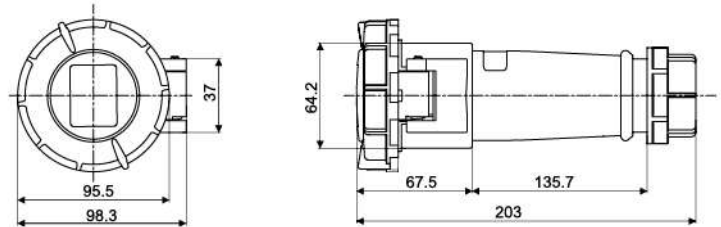
CRZ-14432P



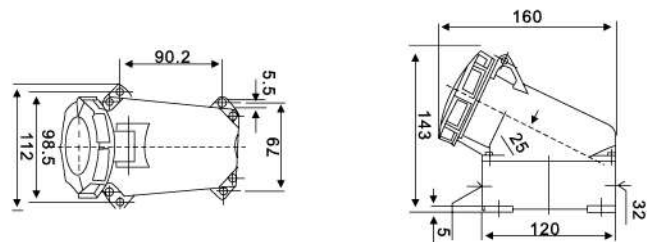
CRT-14432P



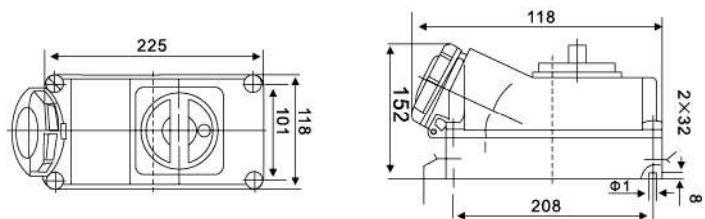
CRL-14432P



CZM-14432P



CRLS-14432P



型号及其含义 Type Specification



CZXB3-2/15 □ × □

- 插座箱联数 Numbers of socket box
1. 无监视插座 Without monitoring socket
 2. 带监视插座 With monitoring socket
- AC380/440V 50/60Hz 32A 3P+E
不锈钢插座箱 Stainless steel socket box

主要技术特性

1. 外形设计合理，紧凑、适用；
2. 组合形式灵活，可提供单联到十联装结构；
3. 简单的抽屉和内接插技术，在无须断开其它插座电源的情况下，快速更换内部断路器；
4. 不锈钢箱体和箱盖，铜质接插件或尼龙接插件；
5. 外壳防护等级 IP67，插座端盖意外打开时也能防止水进入插座箱内部；
6. 插头从下向上插入插座，操作简便，外壳前端的定位确保在黑暗中也容易插入插头；
7. 带机械联锁装置，只有在断电状态插头才能插入或拔出；
8. 选用的断路器性能优良，具有较高的分段能力（标准为 10kA，特殊要求可达 30kA）

Capacity Specialiy

1. Appearance design is reasonable, compact and applicable;
2. The combination form is flexible, can provide single - to - ten - joint assembly structure;
3. Simple drawer and socket technology, without the need to disconnect other socket power supply, quick replacement of internal circuit breakers;
4. Stainless steel box and cover, copper or nylon connectors ;
5. Body protection class IP67, the socket cover can prevent water entering the socket box while be accidentally opened ;
6. Plug from bottom to top into the socket, easy to operate, the front of the housing positioning to ensure easy plug in the dark;
7. With mechanical interlock device, plug can only be inserted or pulled out in the state of power off;
8. The circuit breaker has good performance and high breaking capability (standard is 10kA, special requirements up to 30kA).

外形及安装尺寸规格表 Mounting Dimensions Specification(mm)

名称 Name	型号 Type	材质 Material	长 L	宽 W	高 H	重量 (kg)Weight
 单联插座箱 Single Socket Box	CZXB3-2/15-2X1	箱体：不锈钢 Box-body:Stainless Steel 插座：黄铜或尼龙 Socket: Brass or Nylon	250	300	204	11.75
	CZXB3-2/15-1X1					
 双联插座箱 Double Sockets Box	CZXB3-2/15-2X2	箱体：不锈钢 Box-body:Stainless Steel 插座：黄铜或尼龙 Socket: Brass or Nylon	430	300	204	19.00
	CZXB3-2/15-1X2					
 三联插座箱 Three Sockets Box	CZXB3-2/15-2X3	箱体：不锈钢 Box-body:Stainless Steel 插座：黄铜或尼龙 Socket: Brass or Nylon	620	300	204	26.25
	CZXB3-2/15-1X3					
 四联插座箱 Four Sockets Box	CZXB3-2/15-2X4	箱体：不锈钢 Box-body:Stainless Steel 插座：黄铜或尼龙 Socket: Brass or Nylon	800	300	204	33.5
	CZXB3-2/15-1X4					
 五联插座箱 Five Sockets Box	CZXB3-2/15-2X5	箱体：不锈钢 Box-body:Stainless Steel 插座：黄铜或尼龙 Socket: Brass or Nylon	940	300	204	40.75
	CZXB3-2/15-1X5					
 六联插座箱 Six Sockets Box	CZXB3-2/15-2X6	箱体：不锈钢 Box-body:Stainless Steel 插座：黄铜或尼龙 Socket: Brass or Nylon	1080	300	204	48.00
	CZXB3-2/15-1X6					

产品特点

音响信号器是船上重要而简单的联络,报警工具,可及时地发出特种信号,指示某种异常现象的发生。同时也是船上电话,通讯设备,传令钟及其它电器设备的配套仪器。

技术参数





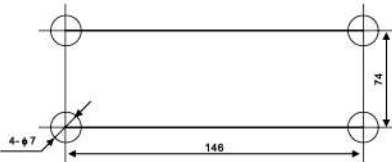
- 1、适用环境温度：-25℃ ~ +55℃；
- 2、电源电压在额定值的直流 ±15%，交流 +6%~-10% 的范围内变化时，能可靠地工作，其音响强度不小于规定值；
- 3、防护等级：IP56；
- 4、电缆外径：Φ14-Φ16。

Products characteristic





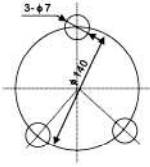
Sound signals is an important and simple communication and alarm tool on the ship, which can send out special signals in time to indicate the occurrence of some abnormal phenomenon. It is also a supporting instrument for the ship's telephone, communication equipment, telegraph and other electrical equipment.

Technical parameter

1. Suitable environmental temperature: -25 °C ~ +55°C .
2. When the power supply voltage is within the range of DC ±15% and AC +6%~-10% of the rated value, it can work reliably and its sound intensity is not less than the specified value.
3. The protection class: IP56
4. Cable outside diameter Φ14-Φ16.

产品名称 Name	型号 Type	电压 Voltage	电流 ≤ Current	音响强度 Sound intensity	重量 Weight	图片 Photos		
直流断电式电铃 DC power off electric bell	YLK-24Z	24V	0.1A	86dB	1.7kg			
	YLK-110Z	110V	0.05A					
	YLK-220Z	220V	0.03A					
直流短接式电铃 DC signal bell	YLB-24Z	24V						
	YLB-110Z	110V						
	YLB-220Z	220V						
交流电铃 AC electric bell	YL-24J	24V	0.15A	82dB	2.0kg			
	YL-110J	110V	0.08A					
	YL-220J	220V	0.04A					
直流警钟 DC alarm bell	YZ-24Z	24V	0.1A	92dB			2.0kg	
	YZ-110Z	110V	0.05A					
	YZ-220Z	220V	0.03A					
交流警钟 AC alarm bell	YZ-24J	24V	0.15A	82dB	2.0kg			
	YZ-110J	110V	0.08A					
	YZ-220J	220V	0.04A					
安装尺寸 Dimension								





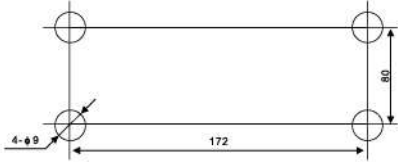
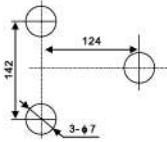
规格 Specifications

国际代码 International Code	产品名称 Name	型号 Type	电压 Voltage	电流 ≤ Current	音响强度 Sound intensity	重量 Weight	图片 Photos
793431	直流电铃 DC electric bell	YL120-24Z	24V	0.3A	85dB	2.0kg	
		YL120-110Z	110V	0.1A			
		YL120-220Z	220V	0.05A			
793433	交流电铃 AC electric bell	YL120-24J	24V	0.2A			
793434		YL120-110J	110V	0.1A			
		YL120-220J	220V	0.05A			
793441	直流信号灯电铃 DC electric bell for signal light	YLX120-24Z	24V	0.8A	85dB	2.1kg	
		YLX120-110Z	110V	0.3A			
		YLX120-220Z	220V	0.2A			
793443	交流信号灯电铃 AC signal bell	YLX120-24J	24V	0.8A			
793444		YLX120-110J	110V	0.4A			
		YLX120-220J	220V	0.3A			
793432	直流电铃 DC electric bell	YL200-24Z	24V	0.3A	95dB	2.75kg	
		YL200-110Z	110V	0.1A			
		YL200-220Z	220V	0.05A			
793435	交流电铃 AC electric bell	YL200-24J	24V	0.2A			
793436		YL200-110J	110V	0.1A			
		YL200-220J	220V	0.05A			
	直流信号灯电铃 DC electric bell for signal light	YLX200-24Z	24V	0.8A	95dB	2.85kg	
		YLX200-110Z	110V	0.3A			
		YLX200-220Z	220V	0.2A			
793445	交流信号灯电铃 AC signal bell	YLX200-24J	24V	0.8A			
793446		YLX200-110J	110V	0.4A			
		YLX200-220J	220V	0.3A			
安装尺寸 Dimension							

船用音响信号系列

SERIES OF MARINE SOUND SIGNALS

规格 Specifications

产品名称 Name	型号 Type	电压 Voltage	电流 ≤ Current	音响强度 Sound intensity	重量 Weight	图片 Photos
直流信号灯电铃 DC electric bell for signal light	YLY-24Z	24V	0.6A	92dB	3.4kg	
	YLY-110Z	110V	0.2A			
	YLY-220Z	220V	0.1A			
交流信号灯电铃 AC electric bell for signal light	YLY-24J	24V	0.5A	82dB	3.3kg	
	YLY-110J	110V	0.15A			
	YLY-220J	220V	0.1A			
直流电铃 - 鸣音器 DC electric bell -sunder	YLM-24Z	24V	0.2A	92dB	3.8kg	
	YLM-110Z	110V	0.1A			
	YLM-220Z	220V	0.06A			
交流电铃 - 鸣音器 AC electric bell -sunder	YLM-24J	24V	0.3A	82dB	3.7kg	
	YLM-110J	110V	0.1A			
	YLM-220J	220V	0.05A			
直流警钟 - 鸣音器 DC alarm bell -sunder	YZM-24Z	24V	0.2A	92dB	4.3kg	
	YZM-110Z	110V	0.1A			
	YZM-220Z	220V	0.06A			
交流警钟 - 鸣音器 AC alarm bell -sunder	YZM-24J	24V	0.3A	82dB	4.1kg	
	YZM-110J	110V	0.1A			
	YZM-220J	220V	0.05A			
直流鸣音器 DC sounder	YM-24Z	24V	0.1A	92dB	1.8kg	
	YM-110Z	110V	0.05A			
	YM-220Z	220V	0.03A			
交流鸣音器 AC sounder	YM-24J	24V	0.15A			
	YM-110J	110V	0.08A			
	YM-220J	220V	0.04A			
安装尺寸 Dimension						
					直流鸣音器 交流鸣音器 DC sounder AC sounder	

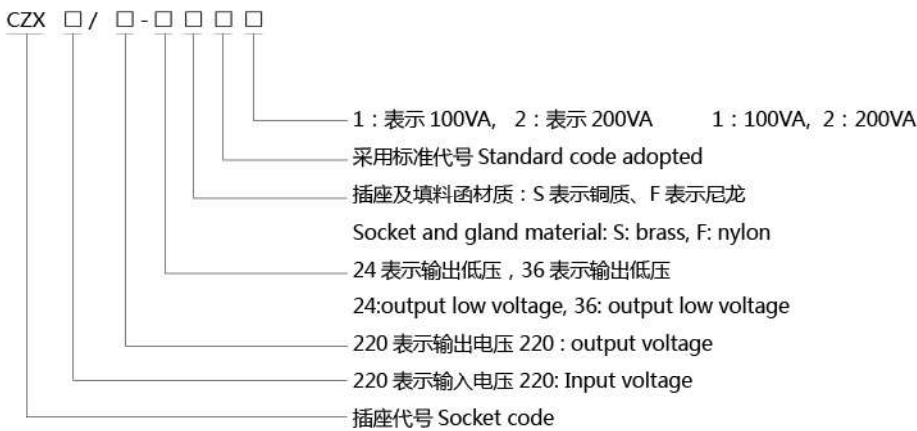


100 和 200 型船用高低压插座箱
Model 100 & 200 marine high-low-voltage socket box



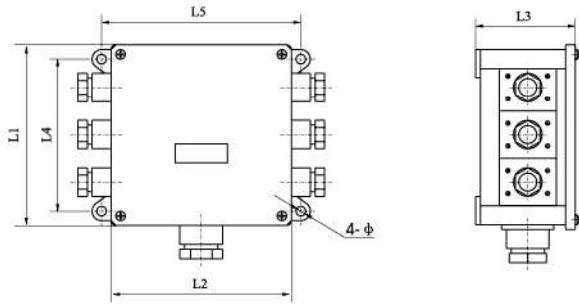
100 和 200 型船用低压插座箱
Model 100 & 200 marine low-voltage socket box

型号含义 Type and meaning



规格 Specifications

产品名称 Name	型号 Type	输出电压 Output voltage	输出电流 Output current	重量 Weight	外壳 Shell	安装尺寸 Dimension
船用低压 插座箱 Marine low voltage socket box	CZX220/24SD1	24V	4A	6.0kg	钢 Steel 铜 Brass 尼龙 Nylon	<p>100VA</p>
	CZX220/24SD2		8A	9.5kg		
	CZX220/24FC1	24V	4A	5.8kg		
	CZX220/24FC2		8A	8.8kg		
	CZX220/36SD1	36V	3A	6.0kg		
	CZX220/36SD2		8A	9.5kg		
	CZX220/36FC1	36V	3A	5.8kg		
	CZX220/36FC2		8A	8.8kg		
船用高低压 插座箱 Marine high and low voltage socket box	CZX220/220-24SD1	220V/24V	10A/4A	6.5kg		<p>200VA</p>
	CZX220/220-24SD2		10A/8A	10kg		
	CZX220/220-24FC1	220V/24V	10A/4A	6.5kg		
	CZX220/220-24FC2		10A/8A	10kg		
	CZX220/220-36SD1	220V/36V	10A/3A	6.5kg		
	CZX220/220-36SD2		10A/6A	10kg		
	CZX220/220-36FC1	220V/36V	10A/3A	6.5kg		
	CZX220/220-36FC2		10A/6A	10kg		

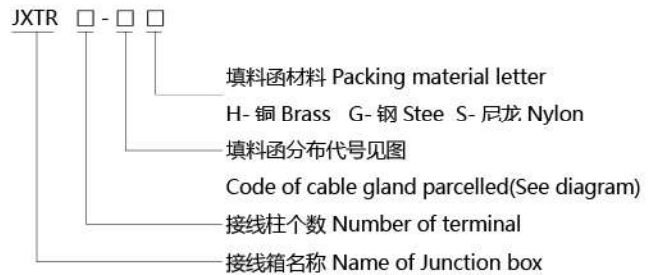
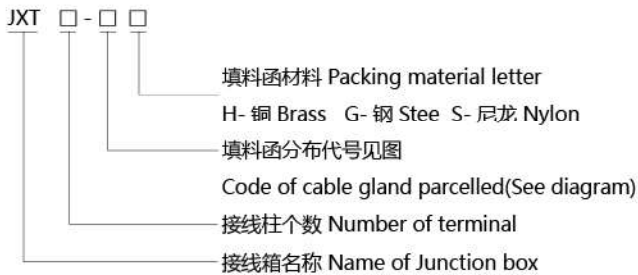


技术特性 Technical characterstic

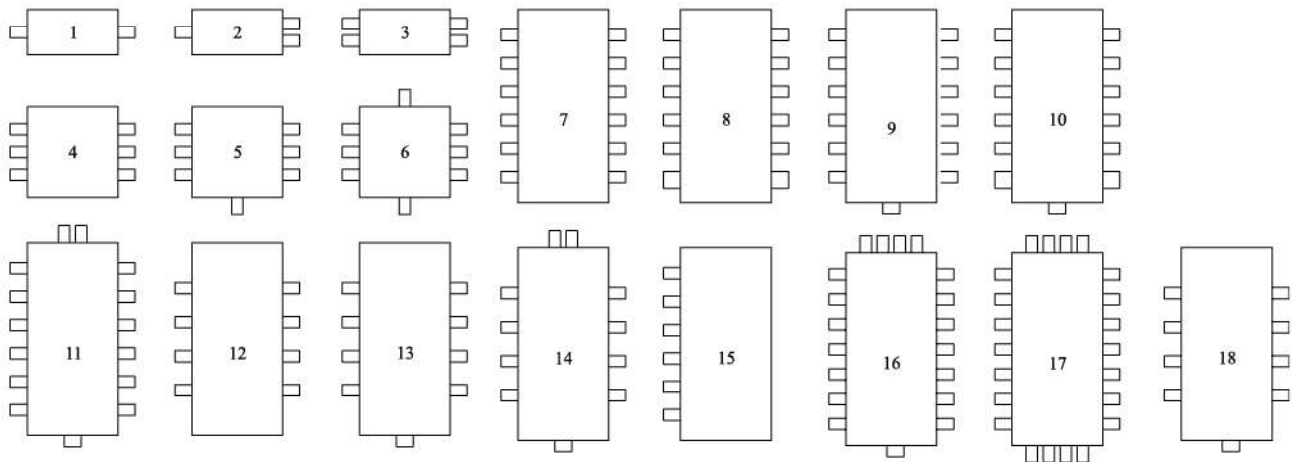
1. 供舰船及工业系统交直流电气线路中连接电路保护用；
2. 符合标准 CB/T3901-94;
3. 工作电压≤ 600V, 接线箱工作电流≤ 15A, 熔断器接线箱工作电流≤ 20A;
4. 防护等级为 IP55, IP44;
5. 填料函尺寸, 数量和分布如有特殊要求, 请订货时说明。

1. Be applied to the connection and protection of electrical power in DC or AC for marine and industry field.
2. Comply to CB/T3901-94 standard.
3. Working voltage ≤600V, working current of junction box ≤15A, working current of junction with fuse ≤20A.
4. Class of protection is IP55, IP44
5. Please remark gland size, quantity and arrangement if have special requirement white ordering.

型号说明 Type specifition



填料函分布代号示意图 Diagram of gland distributing code



接线箱型号规格表 Specification table of juntion box type

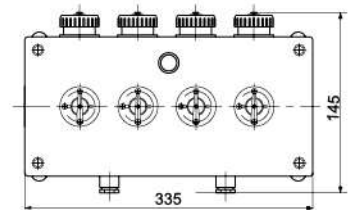
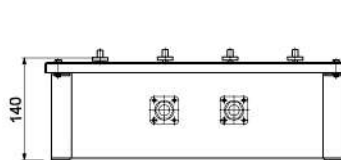
序号 NO.	型号 Type	接线柱个数 Num of Connection pillar	填料函个数 Num.of gland			外形尺寸 Shell Dimensions	安装尺寸 Dimensions	防护等级 Protection class
		15A	M36	PG21	PG16	L1×L2×L3	L4×L5Φ	
1	JXT4-1	4			2	130×130×80	100×140/Φ6.5	IP55
2	JXT4-2	4			3			
3	JXT4-3	4			4			
4	JXT6-1	6			2	160×130×80	130×140/Φ6.5	
5	JXT6-2	6			3			
6	JXT6-3	6			4			
7	JXT6-4	6			6			
8	JXT6-5	6		3	4			
9	JXT6-6	6		1	7			
10	JXT8-4	8			6	230×180×105	20×190	
11	JXT8-5	8		3	4			
12	JXT8-5	8		1	7			
13	JXT12-2	12			3	250×180×105	220×190/Φ9	
14	JXT12-4	12			6			
15	JXT12-5	12		3	4			
16	JXT12-6	12		1	7			
17	JXT12-10	12	1	2	10	330×180×105	300×190/Φ9	
18	JXT12-12	12			8	250×180×105	220×190/Φ9	
19	JXT12-13	12	1		8			
20	JXT12-14	12	1	2	8			
21	JXT18-7	18			12	330×180×105	300×190/Φ9	
22	JXT18-8	18		2	10			
23	JXT18-9	18	1		12			
24	JXT18-12	18			8	250×180×105	220×190/Φ9	
25	JXT18-13	18	1		8			
26	JXT18-14	18	1	2	8			
27	JXT24-7	24			12	330×180×105	300×190/Φ9	
28	JXT24-8	24		2	10			
29	JXT24-9	24	1		12			
30	JXT24-10	24	1	2	10			
31	JXT30-7	30			12			
32	JXT30-9	30		2	10			
33	JXT30-9	30	1		12	350×180×105	320×190/Φ9	
34	JXT30-10	30	1	2	10			
35	JXT30-11	30	1		14			
36	JXT30-15	30			6	330×180×105	300×190/Φ9	
37	JXT36-7	36			12			
38	JXT36-8	36	1	2	10			
39	JXT36-9	36	1		12			
40	JXT36-10	36	1	2	10			
41	JXT36-11	36			14			
42	JXT36-15	36			6	350×180×105	320×190/Φ9	
43	JXT48-16	48	1		18			
44	JXT48-17	48			22			
45	JXT48-18	48	1	8		370×280×105	340×290/Φ9	

船用接线箱 MARINE JUNCTION BOX

接线箱型号规格表 Specification table of juntion box type

序号 NO.	型号 Type	接线柱个数 Num of Connection pillar	填料函个数 Num.of gland			外形尺寸 Shell Dimensions	安装尺寸 Dimensions	防护等级 Protection class
		15A	M36	PG21	PG16	L1×L2×L3	L4×L5Φ	
1	JXTR4-1	4			2	130×130×80	100×140/Φ6.5	IP55
2	JXTR4-2	4			3			
3	JXTR4-3	4			4			
4	JXTR6-1	6			2	160×130×80	130×140/Φ6.5	
5	JXTR6-2	6			3			
6	JXTR6-3	6			4			
7	JXTR6-4	6			6			
8	JXTR6-5	6		3	4			
9	JXTR6-6	6		1	7			
10	JXTR8-4	8			6	230×180×105	200×190/Φ9	
11	JXTR8-5	8		3	4			
12	JXTR8-6	8		1	7			
13	JXTR12-4	12			6	250×180×105	220×190/Φ9	
14	JXTR12-5	12		3	4			
15	JXTR12-6	12		1	7			
16	JXTR12-7	12			12	330×180×105	300×190/Φ9	
17	JXTR12-8	12		2	10			
18	JXTR12-12	12			8	250×180×105	220×190/Φ9	
19	JXTR12-13	12	1		8			
20	JXTR12-14	12	1	2	8			
21	JXTR15-7	18			12	330×180×105	300×190/Φ9	
22	JXTR15-8	18		2	10			
23	JXTR15-9	18	1		12			
24	JXTR15-10	18	1	2	10			
25	JXTR15-11	18	1		14	350×180×105	320×190/Φ9	
26	JXTR18-7	18			12			
27	JXTR18-8	24		2	10			
28	JXTR18-9	24	1		12			
29	JXTR18-10	24	1	2	10			
30	JXTR18-11	24	1		14			

船用货舱插座箱 MARINE SOCKET BOX OF CARGO LIGHT



型号 Type	电压 Voltage	电流 Current	防护等级 Protection class	外壳材质 Material body
CZXH-4	250V	10A	IP56	不锈钢 stainless steel

国际代码 International Code: 174761~174764



主要技术参数

型号：FB-300 台壁式风扇

交流电压 (V)：110V、220V

外形尺寸 (长 × 宽 × 高)：300

重量 (kg)：2kg

备注：合壁式

应用：FB 型船用台壁式电扇，采用先进的设计工艺手段，该电扇体积小、重量轻、噪音小、风力大、满足长时间连续工作，适合各类舰船使用。

型号：FD-300 顶式风扇

交流电压 (V)：220V

外形尺寸 (L×B×H)：300

重量 (kg)：4kg

备注：顶式

应用：FB 型船用顶式电扇，采用先进的设计工艺手段，该电扇体积小、重量轻、噪音小、风力大、满足长时间连续工作，适合各类舰船使用。

Main technical parameter

Model: FB-300

AC voltage (V): 110V, 220V

Dimensions (L × W × H): 300

Weight (kg): 2kg

Remark: Wall type

Application: FB type marine wall type fan, adopt advanced design techniques, small size, light weight, low noise, big wind, satisfy the long-time continuous work, suitable for all types of ships.

Model: FD-300

AC voltage (V): 220V

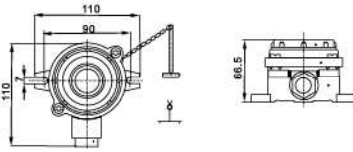
Dimensions (L × B × H): 300

Weight (kg): 4kg

Remark: Ceiling type

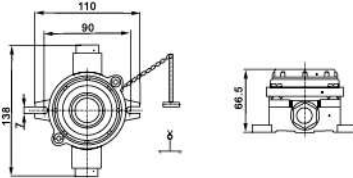
Application: FB type marine ceiling type fan, adopt advanced design techniques, small size, light weight, low noise, big wind, satisfy the long-time continuous work, suitable for all types of ships.

火警按钮 FIRE WARNING BUTTON



DK7-1

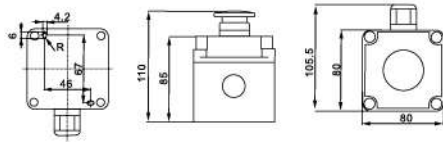
电压 Voltage	250V
电流 Current	10A
防护等级 Protection class	IP56
重量 Weight	0.49kg
材质 Material	钢 Steel



DK7-2

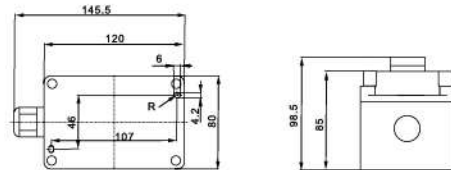
电压 Voltage	250V
电流 Current	10A
防护等级 Protection class	IP56
重量 Weight	0.49kg
材质 Material	钢 Steel

按钮开关 BUTTON SWITCH



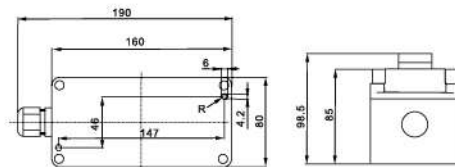
ZPB-1

电压 Voltage	220V
电流 Current	10A
防护等级 Protection class	IP65
重量 Weight	0.27kg



ZPB-2

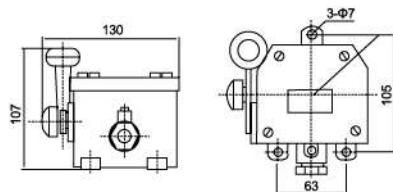
电压 Voltage	220V
电流 Current	10A
防护等级 Protection class	IP65
重量 Weight	0.35kg



ZPB-3

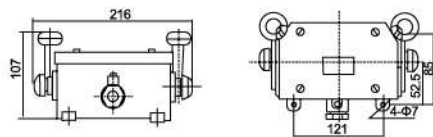
电压 Voltage	220V
电流 Current	10A
防护等级 Protection class	IP65
重量 Weight	0.46kg

莫氏电键 MORSE KEY



AJ1

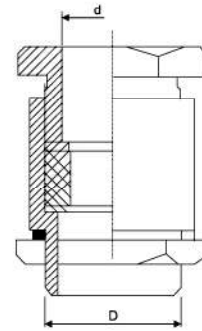
电压 Voltage	220V
电流 Current	10A
防护等级 Protection class	IP56
重量 Weight	0.5kg



AJ2

电压 Voltage	220V
电流 Current	10A
防护等级 Protection class	IP56
重量 Weight	0.8kg

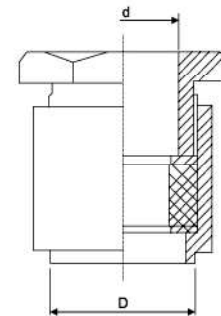
TJ 填料函 TJ cable gland



TJ 夹紧式国标填料函适用电缆明细表 TJ National standard cable stuffing box.

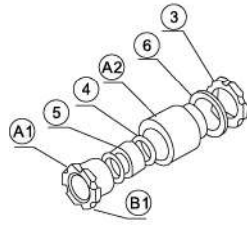
d (通孔尺寸) Through-hole dimensions	TJ8	TJ13	TJ16	TJ19	TJ24	TJ28	TJ34	TJ42	TJ50	TJ58
D(螺纹接口) Thread interface	M14	M18	M22	M27	M30	M36	M42	M52	M58	M68
适用电缆外径 Outer diameter of suitable cables	5-7	8-12	11-15	14-18	17-23	22-27	26-33	32-41	40-49	48-57

TH 填料函 TH cable gland



TH 焊接式填料函适用电缆明细表 Suitable cables for TH weldin type cable stuffing box

d (通孔尺寸) Through-hole dimensions	TH8	TH13	TH16	TH19	TH24	TH28	TH34	TH42	TH50	TH58
D(螺纹接口) Thread interface	Φ13	Φ17	Φ22	Φ25	Φ30	Φ35	Φ42	Φ50	Φ58	Φ66
适用电缆外径 Outer diameter of suitable cables	5-7	6-12	11-15	14-18	17-23	22-27	26-33	32-41	40-49	48-57

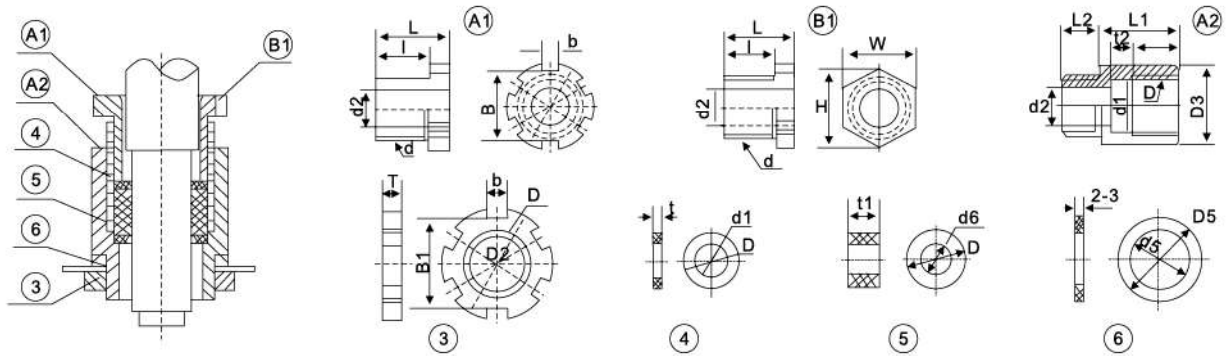


产品特点

填充料函有三种，材质有钢、不锈钢和铜，符合 IEC 和 JIS 标准。

Products characteristic

The gland has three types: steel, stainless steel and brass. It conforms to IEC and JIS standard.



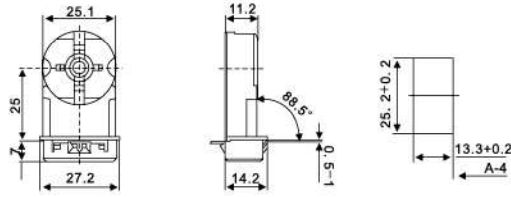
型号 Type	螺纹规格 Screw specification	④		⑤		A1				③			B1		⑥		A2				
		d1	d6	D	t	t1	d2	D1	l	l	B	b	H	W	D2	R1	T	d5	D5	d4	D3
TLH10-A	G $\frac{3}{8}$	8	7	14	1.6	8	10	22	19	14	17	4	-	-	28	22	5	17	22	15	22
TLH15-A	G $\frac{1}{2}$	10	9	18	1.6	9	15	28	21	16	22	4	5	24	31	26	5	21	28	18.7	28
TLH20-A	G $\frac{3}{4}$	17	15	23	1.6	12	20	34	22	17	28	6	27.7	27	37	32	5	26.5	34	24.2	34
TLH25-A	G1	22	20	29	2	14	25	42	25	19	34	6	31.2	36	45	39	6	33.5	42	30.2	42
TLH30-A	G1 $\frac{1}{4}$	28	26	38	2	15	30	50	28	20	42	8	41	45	56	48	6	42	50	39	50
TLH35-A	G1 $\frac{1}{2}$	32	30	44	2	16	35	56	29	21	48	8	51	-	83	55	6	48	56	44.9	56
TLH40-A	G1 $\frac{1}{2}$	36	34	44	2	16	40	56	29	21	48	8	-	-	83	55	6	48	56	44.9	56
TLH45-A	G2	40	38	55	2	19	45	70	34	24	60	10	-	-	76	67	6	60	70	56.7	70
TLH50-A	G2	46	44	55	2	19	50	70	34	24	60	10	-	-	76	67	6	60	70	56.7	70
TLH55-A	G2 $\frac{1}{2}$	50	48	71	2	24	55	86	39	29	76	10	-	-	95	85	6	75.5	86	72.3	86
TLH60-A	G2 $\frac{1}{2}$	56	54	71	2	24	60	86	39	29	76	10	-	-	95	85	6	75.5	86	72.3	86
TLH65-A	G3	62	60	83.5	2.5	30	65	100	47	35	88	12	-	-	112	100	8	88	100	86	100
TLH70-A	G3	66	64	83.5	2.5	30	70	100	47	35	88	12	-	-	112	100	8	88	100	85	100

代码 Code	型号 Type	名称 Name	图片 Photo	代码 Code	型号 Type	名称 Name	图片 Photo
DT201	B22d	双丝插口式灯座 Double-line jack lamp holder		DT213	E27-200	防爆螺口式瓷灯座 Explosion-proof porcelain screw lamp holder	
DT202	HT15-0	铜质插口式灯座 Copper jack lamp holder		DT214	E40-3	防爆螺口式瓷灯座 Explosion-proof porcelain screw lamp holder	
DT203	HT15-10	铜质插口式灯座 Copper jack lamp holder		DT215	E27-4	防爆螺口树脂灯座 Explosion-proof resin screw lamp holder	
DT204	HT27-14	铜质螺口式灯座 Copper screw lamp holder		DT216	G13-A	荧光灯座 Fluorescent light lamp holder	
DT205	HT27-10	铜质螺口式灯座 Copper screw lamp holder		DT217	G13-B	荧光灯座 Fluorescent light lamp holder	
DT206	HT22-14	铜质插口式灯座 Copper jack lamp holder		DT220	P28S	航行灯座 Navigation light lamp holder	
DT207	E27-1	螺口式瓷灯座 Porcelain screw lamp holder		DT221	BAY15d	航行灯座 Navigation light lamp holder	
DT208	E27-2	螺口式瓷灯座 Porcelain screw lamp holder		793501	FE-12	螺口式灯座 Screw lamp holder	
DT211	TLE27	螺口式瓷灯座 Porcelain screw lamp holder		793502	FB-15	插口式灯座 Jack lamp holder	
DT209	E40-1	螺口式瓷灯座 Porcelain screw lamp holder		793503	FE-14	螺口式灯座 Screw lamp holder	
DT210	E40-2	防震螺口式瓷灯座 Shockproof porcelain screw lamp holder		793504	FE-26	螺口式灯座 Screw lamp holder	
DT212	E27-3	防爆螺口式瓷灯座 Explosion-proof porcelain screw lamp holder		793505	FB-22	插口式灯座 Jack lamp holder	

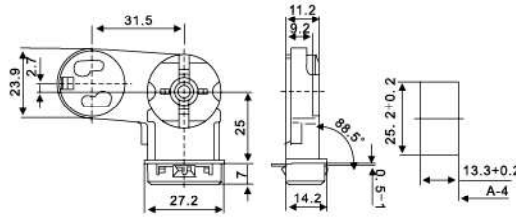
船用灯具、配件

THE FITTINGS FOR MARINE LUMINAIRE AND ELECTRIC APPLIANCES

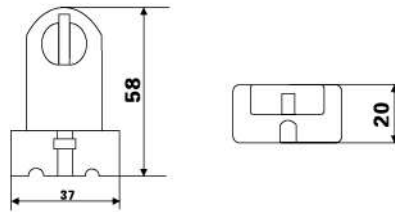
代码 Code	型号 Type	名称 Name	图片 Photo	代码 Code	型号 Type	名称 Name	图片 Photo
792823	1M	插座芯 Socket interior		794608	181-4	胶木接线端子 Bakelite connecting terminal	
792824	2M	插座芯 Socket interior		J301	CPDI-2	胶木接线端子 Bakelite connecting terminal	
792891	1142/FS	插头芯 Plug interior		J302	CPD2-1-2	胶木接线端子 Bakelite connecting terminal	
792821	1MA	插头芯 Plug interior		J303	CXH-2C	塑料接线端子 Plastic connecting terminal	
792822	2MA	插头芯 Plug interior		J304	JCY	塑料接线端子 Plastic connecting terminal	
792892	1141	插座芯 Socket interior		J305	CTG3	塑料接线端子 Plastic connecting terminal	
792893	1133	开关芯 Switch interior		DF102	CTG3	玻璃反光镜 Glass reflector	
792825	K-2MR	开关芯 Switch interior		DF101	TZ1	玻璃反光镜 Glass reflector	
794606	181-2	胶木接线端子 Bakelite connecting terminal		DF103	JCY	塑料填料函 Plastic gland	
794607	181-3	胶木接线端子 Bakelite connecting terminal		DF104	JCY	铜填料函 Copper gland	



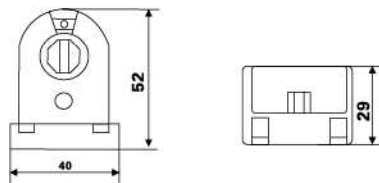
国际代码 International code	100588
电压 Voltage	250V
电流 Current	1A



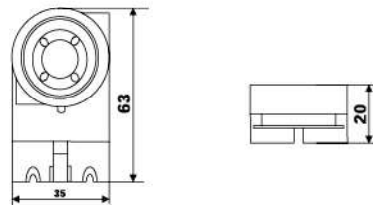
国际代码 International code	100585
电压 Voltage	250V
电流 Current	1A



国际代码 International code	791521
电压 Voltage	250V
电流 Current	1A



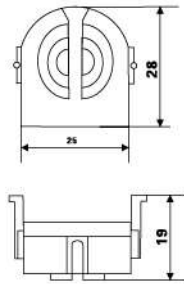
国际代码 International code	791522
电压 Voltage	250V
电流 Current	3A



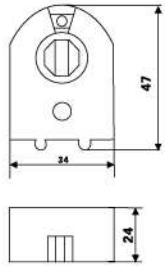
国际代码 International code	791525
电压 Voltage	250V
电流 Current	1A

船用灯具、配件

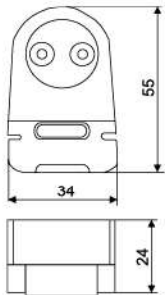
THE FITTINGS FOR MARINE LUMINAIRE AND ELECTRIC APPLIANCES



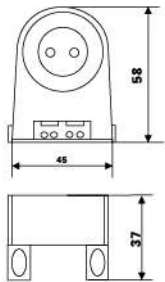
国际代码 International code	791526
电压 Voltage	250V
电流 Current	1A



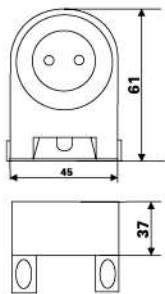
国际代码 International code	791528
电压 Voltage	300V
电流 Current	1A





国际代码 International code	791529
电压 Voltage	600V
电流 Current	1A



国际代码 International code	791532
电压 Voltage	300V
电流 Current	1A




国际代码 International code	791533
电压 Voltage	300V
电流 Current	1A

代码 Code	名称 Name	材料 Material	图片 Photo	颜色 Color
	船用机舱灯罩 Marine Pendant Lamp Shades	聚碳酸酯 Polycarbonate		
	船用篷顶灯罩 Marine Ceiling Lamp Shades	聚碳酸酯 Polycarbonate		
792081	灯罩 Lamp Shades S57	玻璃 Glass		透明 Transparence
792082	灯罩 Lamp Shades S80	玻璃 Glass 聚碳酸酯 Polycarbonate		透明 Transparence 红 Red 绿 Green
792083	灯罩 Lamp Shades S90	玻璃 Glass		透明 Transparence 红 Red 绿 Green 黄 Yellow 蓝 Blue 紫 Purple
792089	灯罩 Lamp Shades S120	玻璃 Glass		透明 Transparence 红 Red
792090	灯罩 Lamp Shades S135	玻璃 Glass		透明 Transparence
792063	DS7-1M 网罩 Guard S80	聚碳酸酯 Polycarbonate		透明 Transparence
792064	DS7-2M 网罩 Guard S90	聚碳酸酯 Polycarbonate		透明 Transparence
	DS7-2M-A 网罩 Guard S90	铜质 Brass 钢质 Steel		
	DS7-3M 网罩 Guard S120	铜质 Brass		

船用灯具、配件 - 光源

THE FITTINGS FOR MARINE LUMINAIRE AND ELECTRIC APPLIANCES-ILLUMINANT

型号 Type	名称 Name	图片 Photo
P28S-220V-65W P28S-24V-60W	航行灯泡 Navigation bulb	
BAY15d-24V-25W	航行灯泡 Navigation bulb	
E40/250W E40/400W E40/1000W	高压钠灯泡 High-pressure sodium bulb	
E40/250W E40/400W E40/1000W	金属卤化物灯泡 Metal halide	
GX9.5/1000W	卤钨灯泡 Tungsten halogen bulb	
GY9.5/300W GY9.5/500W GY16/2000W	卤钨灯泡 Tungsten halogen bulb	
TZ1-1000W	汞氙灯泡 Mercury xenon bulb	

型号 Type	名称 Name	图片 Photo
R7s/300W R7s/500W	卤钨灯泡 Tungsten halogen bulb	
JTT-220V-500W JTT-220V-1000W	JTT 卤钨灯泡 Tungsten halogen bulb	
B15d-24V-30W	航行灯泡 Navigation bulb	
E40/P2220-300W E40/P2220-500W	白炽灯泡 Incandescent bulb	
G19/SSB220-2000W G19/SSB220-3000W	探照灯泡 Searching bulb	
E40/CTG3-500W E40/CTG3-1000W	白炽聚光灯泡 Incandescent focus bulb	
E40/TG7-160W E40/TG7-450W E40/TG7-250W	自镇流汞灯泡 Self-ballast mercury bulb	

船用灯具、配件—荧光灯具镇流器

THE FITTINGS FOR MARINE LUMINAIRE AND ELECTRIC APPLIANCES-FLUORESCENT BALLAST

功率 Power	电源 Power source	图片 Photo
8W~20W	110V/60Hz 220V/50Hz 220V/60Hz	
8W~40W 快启式整流器	110V 60Hz 220V 50Hz/60Hz	

功率 Power	电源 Power source	图片 Photo
30W	110V/60Hz 220V/50Hz 220V/60Hz	
40W	110V/60Hz 220V/50Hz 220V/60Hz	

高压钠灯镇流器、金属卤化物镇流器、高压汞灯镇流器

HIGH PRESSURE SODIUM BALLAST、HIGH PRESSURE SODIUM BALLAST、METAL HALIDE BALLAST、HIGH PRESSURE MERCURY BALLAST

功率 Power	电源 Power source	图片 Photo
250W	110V/60Hz 220V/50Hz 220V/60Hz	
400W	110V/60Hz 220V/50Hz 220V/60Hz	

功率 Power	电源 Power source	图片 Photo
700W	110V/60Hz 220V/50Hz 220V/60Hz	
1000W	110V/60Hz 220V/50Hz 220V/60Hz	



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