

舱室内灯具系列 Cabin Interior Light Fixture Series	CPY□3-L	CPY□0-2	CCY26-2
	LED吊灯 LED Ceiling Lamp	荧光面顶灯 Fluorescent Ceiling Light	荧光面顶灯 Fluorescent Pendant Light
A			
	021	023	025
TD1 筒灯 Downlight	C8Y20-L	CMY12-1	CTY08
	LED筒灯 LED Corner Lamp	镜前灯 Mirror Light	床头灯 Bedside Light
	027	029	031
C8Y20-1 壁灯 Wall Light			033
舱室外灯具系列 Cabin Exterior Light Fixture Series	CCY□7-L	CCY□2-2	CCY□3-2
	LED船顶灯 LED Pendant Light	荧光船顶灯 Fluorescent Pendant Light	荧光船顶灯 Fluorescent Pendant Light
B			
	037	039	041
CCD9-5 船底灯 Pedestal Light	CBL1	CSD7	
	标志灯 Emergency Exit Light	手提灯 Portable Light	
	043	045	047

防爆灯具系列
Explosion-proof Light Fittings Series

C

HRY51-G/C
防爆吸顶灯
Explosion-proof Pendant Light



HRY51-G/P
防爆壁灯
Explosion-proof Wall Light



HRY92
防爆型荧光LED支架
Fluorescent LED Light Fitting For Fluorescent Lamp



049

HRY92
防爆高效节能(LED)
Explosion-proof High-efficiency Energy-saving LED Lamp



051

BAY51-Q LED
防爆的安全型LED灯
Explosion-proof Current-proof Plastic Light Fitting For LED Lamp



053

BAY51-Q
防爆的安全型荧光灯
Explosion-proof Current-proof Fluorescent Light Fitting For Fluorescent Lamp



055

HRD91
防爆高效节能(LED)
Explosion-proof High Efficiency Energy-saving LED Light



057

HRD92
防爆高效节能LED灯
Explosion-proof High Efficiency Energy-saving LED Light



059

HRD82
防爆高效节能(HID)
Explosion-proof High Efficiency Energy-saving HID Light



061

HRD95
防爆LED灯
Explosion-proof LED Lighting



063

HRT91
防爆高效节能LED投光灯
Explosion-proof High Efficiency Energy-saving LED Spotlight Fitting



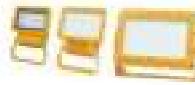
065

HRT92
防爆高效节能LED投光灯
Explosion-proof High Efficiency Energy-saving LED Spotlight



067

BAT86
防爆LED泛光灯
Explosion-proof LED Floodlight



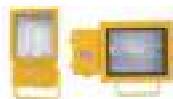
069

HRT51
防爆投光灯
Explosion-proof Spotlight Fitting



071

HRT53
防爆泛光灯
Explosion-proof Floodlight



073

HRT82
防爆泛光灯
Explosion-proof Floodlight



075

BDD81
防爆灯
Explosion-proof Lighting



077

BSX
防爆行灯
Explosion-proof Hand Lamp



079

081

083

085

dFI 防爆船顶灯 Explosion-proof Pendant Light	HR-BLZD-I 1LR0E4W-BAYD85 防爆标志灯 Explosion-proof Sign Light	HR-BLZD-I 1LR0E4W-BAYD82 防爆标志灯 Explosion-proof Sign Light	HR-ZFZD-E6W-BAJ52-6B 防爆应急灯 Explosion-proof Emergency Light
 087 投光灯、搜索灯 系列 Floodlight, Search Light Fittings Series D	 089 CTG31-LED LED投光灯 LED Spot Light	 091 CTG32-LED LED投光灯 LED Spot Light	 093 CTZ4-LED LED搜索灯 LED Search Light
 095 CTG32 投光灯 Spot Light	 097 CTG33 投光灯 Spot Light	 099 CTG31 投光灯 Spot Light	 099 CTZ4-LED LED搜索灯 LED Search Light
 101 信号灯系列 Signal Light Fittings Series E	 103 HR-NLC, HR-SLC 航行灯控制器, 信号灯控制器 Navigation Light Controller, Signal Light Controller	 105 CXH□-1L LED航行信号灯 LED Navigation Signal Light	 107 CXH□-1□P 全型航行信号灯 Polar Navigation Signal Light
 109 CXH□-1□S 航行信号灯 Navigation Signal Light	 111 CXHS-1□L LED信号灯 LED Signal Light	 111 CXH5-1 航向灯 Polar Head Light	 113 CXH17, CXH19 信号灯 Signal Light
 115	 117	 119	 120

CXD7
莫氏信号灯
Morse Signal Light



121

CXD8
白昼信号灯
Daylight Signal Light



123

BCXH□-1L
防爆LED航行信号灯
Explosion-proof LED Navigation Signal Light



125

BSZD85
防爆航空障碍灯
Explosion-proof Aviation Obstruction Light



127

BJJ
防爆声光报警器
Explosion-proof Audio and Visual Control Spotlight Alarm



129

BJD
防爆警示灯
Explosion-proof Caution Spotlight Fixing



131

CXH7
巴拿马艉舵灯
Panama Canal Steering Light



133

直升机平台助降系统
Helicopter Landing Platform Aid System

F

直升机平台助降系统
Helicopter Landing Platform Aid System



HDL-H
直升机平台防爆灯
Helideck Explosion-proof Lights



HDL-C
直升机平台防爆灯
Helideck Explosion-proof Light



HDL-P
防爆边侧灯
Explosion-proof Perimeter Light



HDL-F
直升飞机平台防爆泛光灯
Helideck Explosion-proof Floodlight



HDL-S
防爆状态灯
Explosion-proof Status Light



HDL-W
防爆风向灯
Explosion-proof Wind Direction Lamp



141

143

145

147

BKK
防爆控制箱
Explosion-proof Control Panel



防爆监视控制系统 Explosion-proof Supervisory Control System	BJK 工业防爆监视控制解决方案选型表 <i>Industrial Explosive-proof Monitor and Control System Scheme Selection Table</i>	BJK-S/G 防爆摄像机 <i>Explosion-proof Camera</i>	BJK-S/GD 防爆摄像机 <i>Explosion-proof Camera</i>
G			
153	161	163	
BJK-Q/HD 防爆球形摄像机 <i>Explosion-proof Spherical Camera</i>	BJK-Q/B 防爆球形摄像机(半球) <i>Explosion-proof Spherical Camera (hemispherical)</i>	BJK-YT/B 防爆一体式摄像机 <i>Explosion-proof Integrated Camera</i>	BJK-YT/BD 防爆一体式摄像机 <i>Explosion-proof Integrated Camera</i>
			
165	167	169	171
BJK-YT/BP 防爆一体式摄像机(旋转转动) <i>Explosion-proof Integrated Camera (tilt drive)</i>	BJK-YT/BDP 防爆一体式摄像机(旋转转动) <i>Explosion-proof Integrated Camera (tilt drive)</i>	BJK-YTR 防爆一体式红外热成像仪 <i>Explosion-proof integrated infrared thermal imager</i>	WRG600-IMS 防爆智能无线装置 <i>Explosion-proof Intelligent Wireless Device</i>
			
173	175	177	179
BJK-G 防爆光端机 <i>Explosion-proof Optical Transmitter and Receiver</i>	FJK-S 星光级网络红外枪型摄像机 <i>Starlight Network IR Gun Camera</i>	FJK-Q 星光级智能高清球形网络摄像机, Starlight Intelligent HD Spherical Network Camera	HR-NVR5000 网络硬盘录像机 <i>Network Hard Disk Recorder</i>
			
181	183	185	187
HR-JKJZ8000 网络数字高清矩阵 <i>Network Digital HD Matrix</i>	WR2.0/IMS 智能监控系统管理平台 <i>Intelligent Monitoring System Management Platform</i>	工业防爆监视控制解决方案辅助设备 <i>Auxiliary equipment of industrial explosion-proof supervisory control system</i>	
			
189	191	193	

防爆空调系列
Explosion-proof Air Conditioners Series

H

BKF(R)

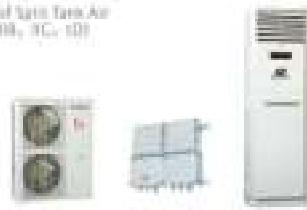
防爆分体壁挂式空调(BB, BC, BD)
Explosion-proof Split Wall Air Conditioners (BB, BC, BD)



195

BKG(R)

防爆分体柜式空调(BB, BC, BD)
Explosion-proof Split Case Air Conditioners (BB, BC, BD)



199

BKD

防爆直顶式空调(BB)
Explosion-proof Top Air Conditioners (BB)



203

主令控制及配电箱
Series
Master control Units and Distribution Panels Series

I

BXM(D)8061

防爆防腐照明(动力)配电箱
Explosion-proof Corrosion-proof Illumination (Power) Distribution Box



206

BZC8061

防爆防腐操作柱
Explosion-proof Corrosion-proof Control Station



209

edHH

铜质防爆开关
Copper Explosion-proof Switch



211

FZA

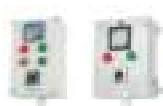
防水防腐防腐主令电器
Weatherproof Master Control Unit



212

FZC

防水防腐防腐操作柱
Weatherproof Control Station



213

FZM

防水防腐防腐照明开关
Weatherproof Illumination Switch



215

接插件及接线箱系列
Plugs And Sockets,
Junction Boxes
Series

J

BXJ53

防腐防腐接线箱
Explosion-proof Corrosion-proof Junction Box



217

BHD51

防腐接线盒
Explosion-proof Terminal Box



221

BCZ8060

防腐防腐接线装置
Explosion-proof Corrosion-proof Plug And Socket



223

BCZ85 防水插座装置 Weather-proof Plug And Socket	BLJ85 防水连接器 Weather-proof connector	FCX 防水防尘插座装置 Weatherproof Plug And Socket	FXJ 防水防尘接线盒 Weatherproof Junction Box
			
225	227	229	233
HH-10A 船用铜质开关 Marine Copper Switch	CTH、CZH 船用铜质插头、插座 Marine Copper Plug/Socket	CZKH 船用铜质带开关插座 Marine Copper Socket With Switch	JXH 船用铜质接线盒 Marine Copper Terminal Box
			
235	237	239	240
CZK 船用铜质带开关插座带插座 Marine Copper Socket With Interlock And Switch	CZX 船用高电压插座箱 Marine High/Low-Voltage Socket Box	舱室开关、插座 Cabin Switch, Socket	
			
241	243	244	



A

舱室内灯具系列

Cabin interior light fixture
series

打造一流船用和海工品牌

Create
A Famous Marine & Offshore
Products Brand





CPY□3-L LED蓬顶灯

CPY□3-L LED Ceiling Light



应用场景 Application

- 适用于卧室、餐厅、休闲室、客舱、走廊及相应区域。
- Bedroom, dining hall, leisure room, passenger cabin, corridor and other relevant areas.



灯体 Housing

- 优质钢板，表面喷白色塑粉
- High-quality steel plate with white plastic powder sprayed on the surface

透明罩 Transparent cover

- 乳白色PC材质
- Opal PC material

安装方式 Mounting

- 使用12/16个Φ6.5mm的安装孔位来固定(其中6个是备用孔位)
- Fix by means of 12/16 Φ6.5mm mounting holes (among which 6 are for standby)

电气 Electric

- 恒流恒压驱动电源：宽电压输入
- 恒流源：100V~277V AC 50/60Hz
- 应急控制器：178V~264V AC 50/60Hz
- Constant current constant voltage drive power, wide voltage input
- Constant-current source: 100V~277V AC 50/60Hz
- Emergency controller: 178V~264V AC 50/60Hz

可选配件 Options

- ZE：自带电源应急90分钟
- E：集中电源应急
- SS：不锈钢灯体
- ZE: Self-contained power supply, emergency light operation time 90 minutes
- E: Centralized power supply for emergency
- SS: Stainless steel housing

选配表 Selection table

型号 Type	额定电压(V) Rated voltage	光源类型 Light source	额定功率(W) Rated power	光通量(lm) Luminous flux	重量(kg) Weight
CPY23-L	220V~240V AC 50/60Hz 110V/120V AC 60Hz	LED 模组 LED module	20W	2200	4.5
		LED灯管 LED tube	10W × 2	2180	4.5
CPY43-L		LED 模组 LED module	40W	4400	6.5
		LED灯管 LED tube	20W × 2	4360	6.5

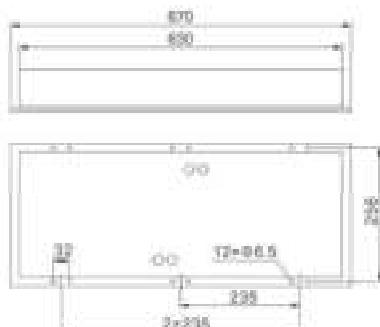
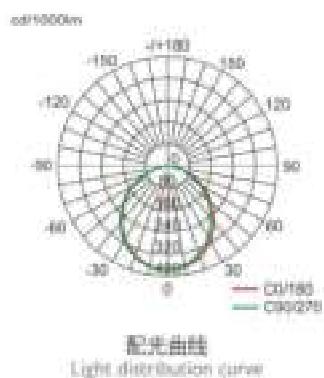
• ZE：自带电源应急90分钟 Self-contained power supply, emergency light operation time 90 minutes

• E：集中电源应急(DC24V/3W) Centralized power supply for emergency

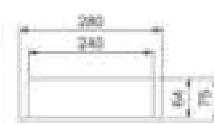
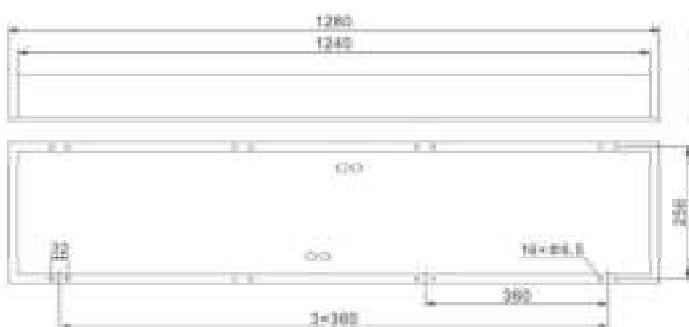
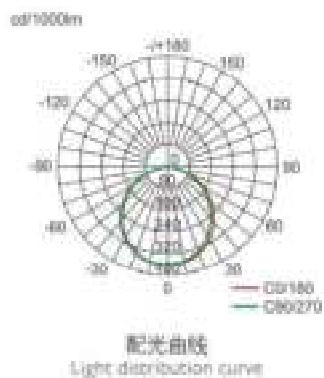
技术参数 Technical parameters

执行标准 Conformity to standards	IEC60698, IEC60092-306, CCS入级规范 (CCS standard)
环境温度 Ambient temperature	-40°C~+55°C
光源类型 Light source	LED 模组/LED灯管 LED module/LED tube
色温 Color temperature	5000K ±250K (3000K, 4000K可选 Optional)
显色指数 Color rendering index	Ra≥80
防护等级 Degree of protection	IP44
电缆引入口 Cable entries	4x Φ20(密封塞), 适用于Φ6~Φ12mm电缆 4x Φ20 (stopping plug) suitable for Φ6~Φ12mm cable
接线端子 Terminal	3x 1.5~4mm ²

外形尺寸 Outline dimension



CPY23-L



CPY43-L



CPY□0-2 荧光蓬顶灯

CPY□0-2 Fluorescent Ceiling Light



应用场景 Application

- 适用于卧房、餐厅、休闲室、客舱、走廊及相应区域。
- Bedroom, dining hall, leisure room, passenger cabin, corridor and other relevant areas.



灯体 Housing

- 优质钢板，表面喷白色塑粉
- High-quality steel plate with white plastic powder sprayed on the surface

透明罩 Transparent cover

- 乳白色PC材质
- Opal PC material

安装方式 Mounting

- 使用12/16个Φ6.5mm的安装孔位来固定(其中6个是备用孔位)
- Fix by means of 12/16Φ6.5mm mounting holes (among which 6/8 are for standby)

电气 Electric

- 电子镇流器，宽电压输入 220V~240V AC 50/60Hz
- Electronic ballast, wide voltage input 220V~240V AC 50/60Hz

可选配件 Options

- ZE：自带电源应急90分钟
- E：集中电源应急
- SS：不锈钢灯体
- ZE: Self-contained power supply, emergency light operation time 90 minutes
- E: Centralized power supply for emergency
- SS: Stainless steel housing

选配表 Selection table

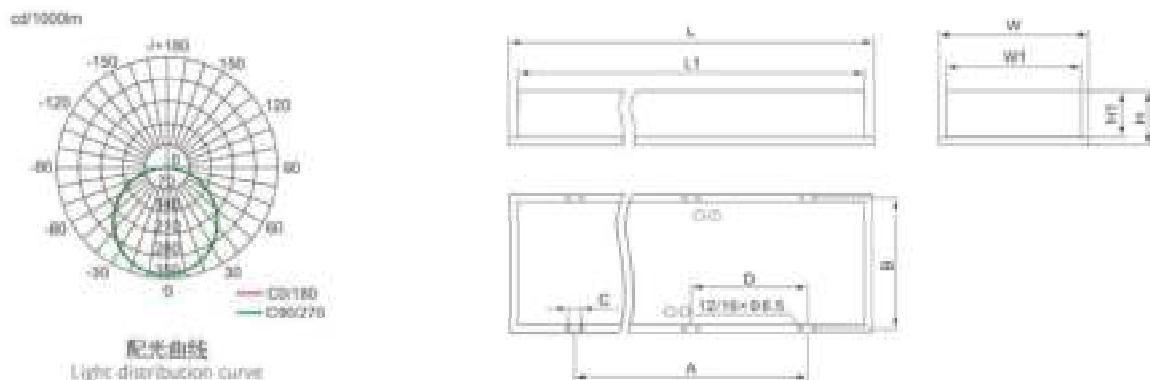
型号 Type	额定电压(V) Rated voltage	额定功率(W) Rated power	重量(kg) Weight
CPY20-2	220V~240V AC 50/60Hz	18W × 2	3.5
CPY40-2	110V/120V AC 60Hz	30W × 2	6.4

- ZE：自带电源应急90分钟 self-contained power supply, emergency light operation time 90 minutes
- E：集中电源应急(DC24V/15W) Centralized power supply for emergency

技术参数 Technical parameters

执行标准 Conformity to standards	IEC60598, IEC60092-306, DCSA入级规范 (CCS standard)
环境温度 Ambient temperature	-25°C-->55°C
光源类型 Light source	T8荧光灯管 T8 Fluorescent tube
灯座 Lamp holder	G13
防护等级 Degree of protection	IP44
电缆引入口 Cable entry	4xΦ20(密封圈), 适用于Φ6-Φ12mm电缆 4xΦ30 (Sealing plug), suitable for Φ6-Φ13mm cable
接线端子 Terminal	3x1.5~4mm ²

外形尺寸 Outline dimension



型号 Type	外形及安装尺寸(mm) Outline and installation dimensions									
	H	H1	W	W1	L	L1	A	B	C	D
CPY20-2	75	64	260	240	670	630	2x235	256	32	235
CPY40-2	75	64	260	240	1260	1240	3x360	256	32	360



CCY26-2 荧光舱顶灯

CCY26-2 Fluorescent Pendant Light



应用场景 Application

- 适用于厨房、储藏室、冷库、食品存放间及相应区域。
- Chef, storage room, cold storage, food storage room and other relevant area.



灯体 Housing

- 不锈钢
- Stainless steel

透明盖 Transparent cover

- 透明PC
- Clear polycarbonate

安装方式 Mounting

- 使用6个Φ5mm的安装孔位来固定
- Fix by means of 6×Φ5mm mounting holes

电气 Electric

- 电子镇流器，宽电压输入 220V~240V AC 50/60Hz
- Electronic ballast, wide voltage input 220V~240V AC 50/60Hz

可选配件 Options

- ZE：自带电源应急90分钟
- E：集中电源应急
- LEDT：LED灯管光源
- ZE: Self-contained power supply, emergency light operation time 90 minutes
- E: Centralized power supply for emergency
- LEDT: LED tube

选配表 Selection table

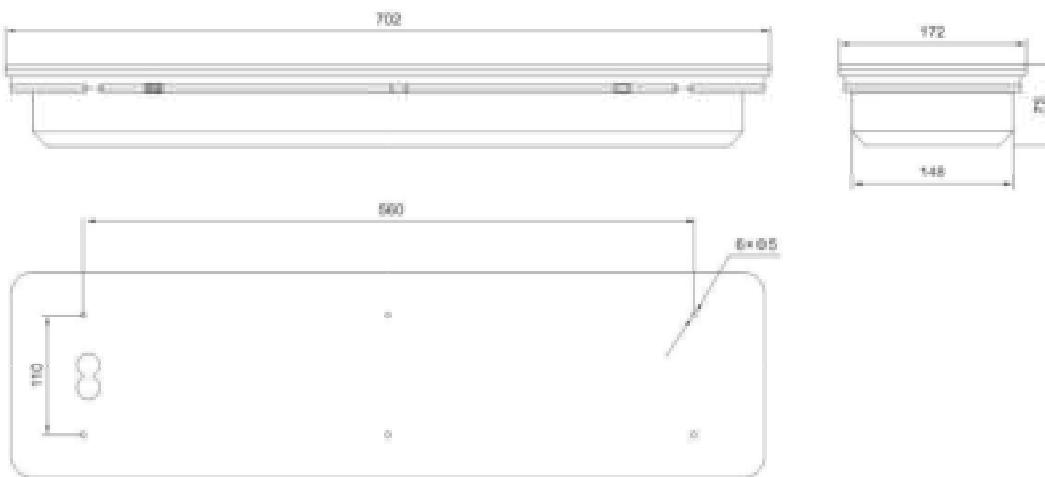
型号 Type	额定电压(V) Rated voltage	额定功率(W) Rated power	重量(kg) Weight
CCY26-2	220V~240V AC 50/60Hz 110V/120V AC 60Hz	16W×2	3.5

- ZE：自带电源应急90分钟 self-contained power supply, emergency light operation time 90 minutes
- E：集中电源应急(DC24V/16W) Centralized power supply for emergency

技术参数 Technical parameters

执行标准 Conformity to standards	IEC60598, IEC60092-306, DCS入墙规范 (DCS standard)
环境温度 Ambient temperature	-25°C--55°C
光源类型 Light source	T8荧光灯管 T8 Fluorescent tube
灯座 Lamp holder	G13
防护等级 Degree of protection	IP55
电缆引入口 Cable entry	2×Φ20(密封塞), 适用于Φ6-Φ12mm电缆 2×Φ30 (Sealing plug). suitable for Φ6-Φ12mm cable
接线端子 Terminal	3x1.5~4mm ²

外形尺寸 Outline dimension





TD1 筒灯

TD1 Downlight



应用场景 Application

- 适用于休息室、居住及相应区域。
- Resting room, accommodation and other relevant areas.



灯体 Housing

- 优质钢板，表面喷白色塑粉
- High-quality steel plate with white plastic powder sprayed on the surface

透明罩 Transparent cover

- 亚克力(PMMA)
- Clear acrylic

安装方式 Mounting

- 使用3个Φ5mm的安装孔位来固定
- Fix by means of 3xΦ5mm mounting holes

电气 Electric

- 恒流恒压驱动电源，宽电压输入 220V~240V AC 50/60Hz
- Constant current constant voltage driving power, wide voltage input 220V~240V AC 50/60Hz

可选配件 Options

- ZE：自带电源应急90分钟
- A：A型灯
- B：B型灯
- SS：不锈钢灯体
- ZE: Self-contained power supply, emergency light operation time 90 minutes
- A: Type A
- B: Type B
- SS: Stainless steel housing

选配表 Selection table

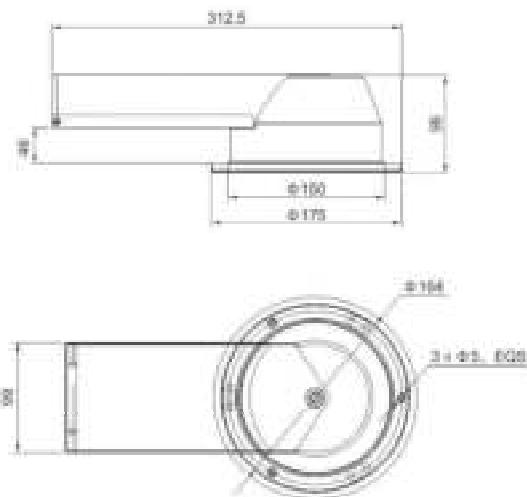
型号 Type	额定电压(V) Rated voltage	光源类型 Light source	额定功率(W) Rated power	壳体类型 Enclosure type	重量(kg) Weight
TD1	220V~240V AC 50/60Hz 110V/120V AC 60Hz	LED	9W	A型 Type A	1.2
			12W		
			9W	B型 Type B	1.2
			12W		

- ZE：自带电源应急90分钟 Self-contained power supply, emergency light operation time 90 minutes

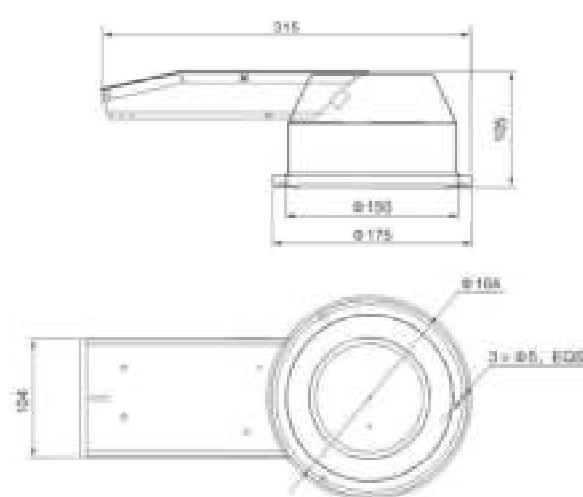
技术参数 Technical parameters

执行标准 Conformity to standards	IEC60998, IEC60092-306, CCS入级规范 (CCS standard)
环境温度 Ambient temperature	-40°C~+55°C
光源类型 Light source	LED 模组 LED module
防护等级 Degree of protection	IP44
电缆引入口 Cable entry	2×M20×1.5格兰(黄铜镀镍), 适用于Φ8~Φ12mm电缆 2×M20×1.5 gland (nickel plating of brass), suitable for Φ8~Φ12mm cable
接线端子 Terminal	3×1.5~4mm ²

外形尺寸 Outline dimension



A型 Type A



B型 Type B



CBY20-L LED角灯

CBY20-L LED Corner Lamp



应用场景 Application

- 适用于居住、通道及相应区域。
- Accommodation, passage and corresponding area.



灯体 Housing

- 优质钢板，表面喷白色塑粉。
- High-quality steel plate with white plastic powder sprayed on the surface.

透明白盖 Transparent cover

- 乳白色PC透明罩。
- Diffuser in opal polycarbonate.

安装方式 Mounting

- 使用4个Φ6×14mm的安装孔位来固定。
- Fix by means of 4xΦ6x14mm mounting holes.

电气 Electric

- 恒流恒压驱动电源，宽电压输入。
- Constant-current constant-voltage driving power; wide voltage input.

可选配件 Options

- E: 集中电源应急
- LEDT: LED灯管(T5)
- E: Centralized power supply for emergency
- LEDT: LED Tube (T5)

选配表 Selection table

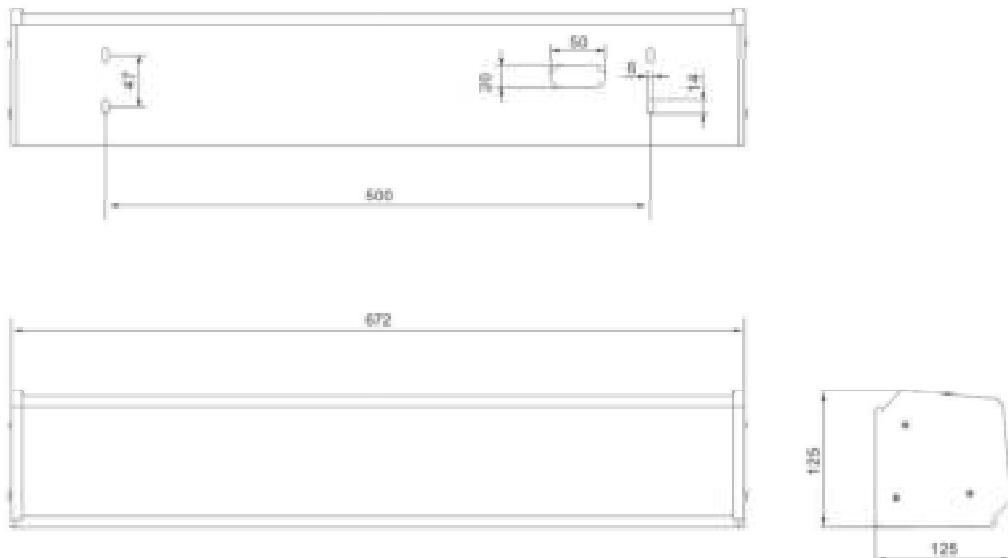
型号 Type	额定电压(V) Rated voltage	额定功率(W) Rated power	重量(kg) Weight
CBY20-L	220V~240V AC 50/60Hz 110V/120V AC 60Hz	9W × 1	3.3

- E: 集中电源应急(DC24V/3W) Centralized power supply for emergency

技术参数 Technical parameters

执行标准 Conformity to standards	IEC60698, IEC60092-306, DCSA入级规范 (DCS standard)
环境温度 Ambient temperature	-40°C~+55°C
防护等级 Degree of protection	IP44
光源类型 Light source	LED 模组 LED module
色温 Color temperature	5000K ± 250K (3000K, 4000K可选 Optional)
电缆引入口 Cable entries	20×50孔, 适用于Φ11-Φ13mm电缆 20×50 Hole, suitable for Φ11-Φ13mm cable
接线端子 Terminal	3×1.5~4mm ²

外形尺寸 Outline dimension





CMY12-1 镜前灯

CMY12-1 Mirror Light



应用场景 Application

- 适用于浴室、镜前、床头、桌面及相应区域。
- Suitable for Bathroom, mirror light, bedside, desk and other relevant areas.



灯体 Housing

- 优质钢板，表面喷白色塑粉
- High-quality steel plate with white plastic powder sprayed on the surface

透明罩 Transparent cover

- 乳白色亚克力(PMMA)
- Opal acrylic

安装方式 Mounting

- 使用2个Φ5mm的安装孔位来固定
- Fix by means of 2xΦ5mm mounting holes

电气 Electric

- 电子镇流器
- Electronic ballast

可选配件 Options

- | | |
|----------------|---|
| • E: 集中电源应急 | • E: Centralized power supply for emergency |
| • LEDS: LED灯条 | • LEDS: LED strip |
| • SU: 插座 | • SU: Universal socket |
| • PC: 乳白色PC透明罩 | • PC: Diffuser in opal polycarbonate |
| • SS: 不锈钢灯体 | • SS: Stainless steel housing |

选配表 Selection table

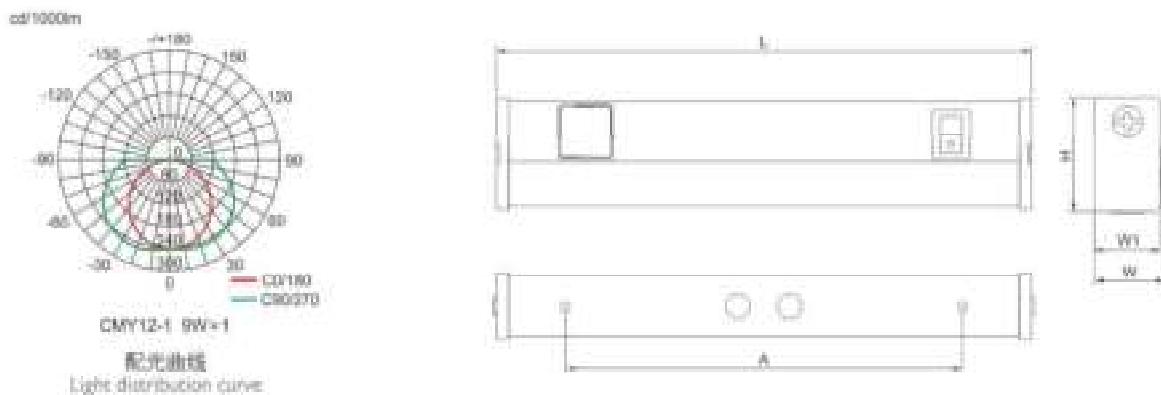
型号 Type	额定电压(V) Rated voltage	额定功率(W) Rated power	光源类型 Light source	灯座 Lamp holder	重量(kg) Weight
CMY12-1	220V~240V AC 50/60Hz 110V/120V AC 60Hz	5W x 1	LED	T5	1.5
		7W x 1			1.5
		7W x 1-SU			1.8
		9W x 1			1.8
		9W x 1-SU			2
		18W x 1	荧光灯管 Fluorescent tube	G13	3.9
		18W x 1-SU			3.9
		36W x 1			3.9
		36W x 1-SU			3.9

- E 集中电源应急(DC24V/3W, DC24V/15W) Centralized power supply for emergency

技术参数 Technical parameters

执行标准 Conformity to standards	IEC60698, IEC60092-306, CCSA入级规范 (CCS standard)
环境温度 Ambient temperature	-25°C~+55°C
防护等级 Degree of protection	IP44
光源类型 Light source	LED 模组/TB荧光灯管 LED module, TB-Fluorescent tube
色温 Color temperature	5000K ± 250K (3000K, 4000K可选 Optional)
电缆引入口 Cable entry	2 × Φ20(密封盖), 适用于Φ6~Φ12mm电缆 2×Φ30 (sealing plug), suitable for Φ6~Φ12mm cable
接线端子 Terminal	3×1.5~4mm ²

外形尺寸 Outline dimension



型号 Type	额定功率(W) Rated power	外形及安装尺寸(mm) Outline and installation dimension				
		H	L	W1	W	A
CMY12-1	5W x 1	107	355	62	—	212
	7W x 1	107	355	62	—	212
	7W x 1-SU	107	355	—	67	212
	9W x 1	107	486	62	—	370
	9W x 1-SU	107	486	—	67	370
	18W x 1	107	637	62	—	521
	18W x 1-SU	107	637	—	67	521
	36W x 1	107	1247	62	—	1131
	36W x 1-SU	107	1247	—	67	1131



CTY08 床头灯

CTY08 Bedside Light



应用场景 Application

- 适用于客舱、休息室、场所及相应区域。
- Suitable for cabin, rest rooms, accommodation and other relevant areas.



灯体 Housing

- 优质钢板，表面喷白色塑粉
- High-quality steel plate with white plastic powder sprayed on the surface

透明罩 Transparent cover

- 乳白色亚克力(PMMA)
- Opal acrylic

安装方式 Mounting

- 使用2个Φ5mm的安装孔位来固定
- Fix by means of 2xΦ5mm mounting holes

电气 Electric

- 电子镇流器
- Electronic ballast

可选配件 Options

- | | |
|----------------|---|
| • E: 集中电源应急 | • E: Centralized power supply for emergency |
| • LEDS: LED灯条 | • LEDS: LED strip |
| • SU: 插座 | • SU: Universal socket |
| • PC: 乳白色PC透明罩 | • PC: Diffuser in opal polycarbonate |
| • SS: 不锈钢灯体 | • SS: Stainless steel housing |

选配表 Selection table

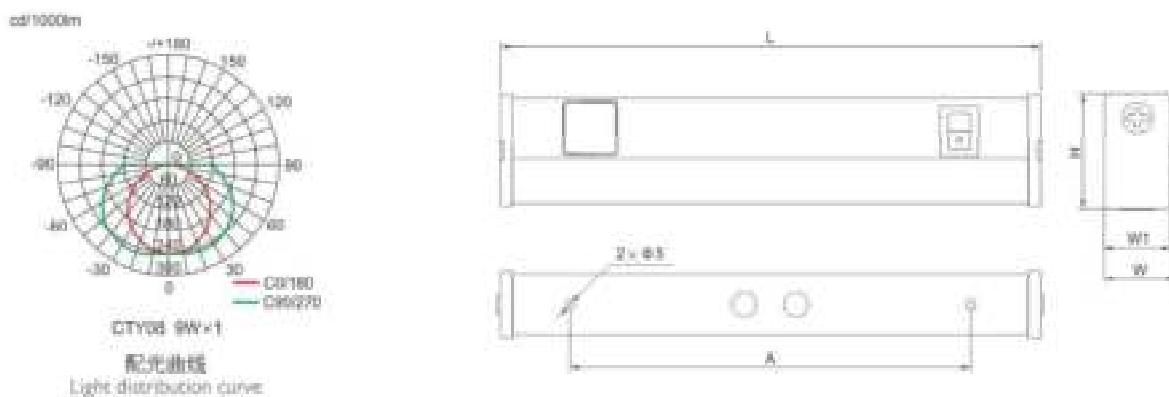
型号 Type	额定电压(V) Rated voltage	额定功率(W) Rated power	光源类型 Light source	灯座 Lamp holder	重量(kg) Weight
CTY08	220V~240V AC 50/60Hz 110V/120V AC 60Hz	5W x 1	LED	T5	1.5
		7W x 1			1.5
		7W x 1-SU			1.8
		9W x 1			1.8
		9W x 1-SU			2
		18W x 1	荧光灯管 Fluorescent tube	G13	3.9
		18W x 1-SU			3.9
		36W x 1			3.9
		36W x 1-SU			3.9

- E 集中电源应急(DC24V/3W, DC24V/15W) Centralized power supply for emergency

技术参数 Technical parameters

执行标准 Conformity to standards	IEC60998, IEC60092-306, DCSA入级规范 (DCS standard)
环境温度 Ambient temperature	-25°C~+55°C
防护等级 Degree of protection	IP44
光源类型 Light source	LED 模组/TB荧光灯管 LED module, TB Fluorescent tube
色温 Color temperature	5000K ± 250K (3000K, 4000K可选 Optional)
电缆引入口 Cable entry	2×Φ20(密封盖), 适用于Φ6~Φ12mm电缆 2×Φ20 (sealing plug), suitable for Φ6~Φ12mm cable
接线端子 Terminal	3×1.5~4mm ²

外形尺寸 Outline dimension



型号 Type	额定功率(W) Rated power	外形及安装尺寸(mm) Outline and installation dimension				
		H	L	W1	W	A
CTY08	5W×1	107	355	62	—	212
	7W×1	107	355	62	—	212
	7W×1-SU	107	355	—	67	212
	9W×1	107	486	62	—	370
	9W×1-SU	107	486	—	67	370
	18W×1	107	637	62	—	521
	18W×1-SU	107	637	—	67	521
	36W×1	107	1247	62	—	1131
	36W×1-SU	107	1247	—	67	1131



CBY20-1 壁灯

CBY20-1 Wall Light



应用场景 Application

- 适用于展厅、通道及相应区域。
- Accommodation, passage and corresponding area.



灯体 Housing

- 优质钢板，表面喷白色塑粉
- High-quality steel plate with white plastic powder sprayed on the surface

透明罩 Transparent cover

- 乳白色PC
- Opal PC

电气 Electric

- 恒流恒压驱动电源，宽电压输入 AC100V~240V AC 50/60Hz
- Constant current constant voltage driving power, wide voltage input AC100V~240V AC 50/60Hz
- E: 集中电源应急 LED 3W
- E Emergency by means of centralized power LED 3W

技术参数 Technical parameters

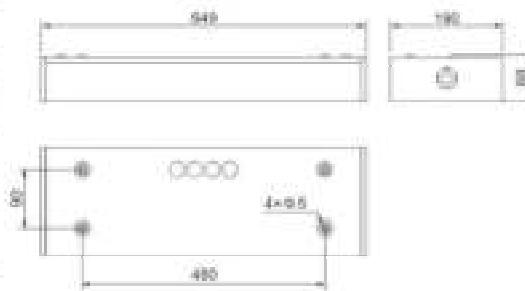
执行标准 Conformity to standards	IEC6579, IEC60068-3-30, CCC/UL/CE/ROHS (CC) standard
环境温度 Ambient temperature	-25°C~+55°C
光源类型 Light source	LED模组 LED module
色温 Color temperature	5000K ± 250K (3000K, 4000K可选 Optional)
防护等级 Degree of protection	IP44
电缆引入口 Cable entry	适用于Φ10~Φ14mm电缆 Suitable for Φ10~Φ14mm cable
接线端子 Terminal	3 × 1.5~4mm ²

安装方式 Mounting

- 使用4个Φ5mm的安装孔位来固定
- Fix by means of 4 × Φ5mm mounting holes

可选配件 Options

- E: 集中电源应急 LED 3W
- E Emergency by means of centralized power LED 3W



选配表 Selection table

型号 Type	额定电压(V) Rated voltage	额定功率(W) Rated power	光通量(lm) Luminous flux	重量(kg) Weight
CBY20-1	220V~240V AC 50/60Hz 110V~120V AC 60Hz	8W × 2	1300	3.0

- ZE: 自带电源应急90分钟 Self-contained power supply, emergency light operation time 90 minutes
- E: 集中电源应急(DC24V/3W) Centralized power supply for emergency



B

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应用场所 Application

- 适用于甲板、车间、机舱、仓库、走廊及相应区域。
- Deck, workshop, engine room, stores, passage and other relevant areas.



灯体 Housing

- 优质钢板，表面喷白色塑粉
- High-quality steel plate with white plastic powder sprayed on the surface

透明罩 Transparent cover

- 透明PC
- Transparent PC

安装方式 Mounting

- 使用4个Φ8.5mm可安装孔位固定
- Fix by means 4xΦ8.5mm mounting holes

电气 Electric

- 恒流恒压驱动电源，宽电压输入
- 恒流源：100V~277V AC 50/60Hz
- 应急控制器：176V~264V AC 50/60Hz
- Constant-current constant voltage drive power, wide voltage input
- Constant-current source: 100V~277V AC 50/60Hz
- Emergency controller: 176V~264V AC 50/60Hz

可选配件 Options

- ZE：自带电源应急90分钟
- E：集中电源应急
- LEDF：LED灯管
- F：保护网
- SS：不锈钢灯体
- ZE: Self-contained power supply, emergency light operation time 90 minutes
- E: Centralized power supply for emergency
- LEDF: LED tube
- F: Wire guard
- SS: Stainless steel housing

选配表 Selection table

型号 Type	额定电压(V) Rated voltage	额定功率(W) Rated power	光通量(lm) Luminous flux	重量(kg) Weight
CCY27-L	220V~240V AC 50/60Hz	10W×2	2200	3.1
CCY47-L	110V/120V AC 60Hz	20W×2	4480	5.2

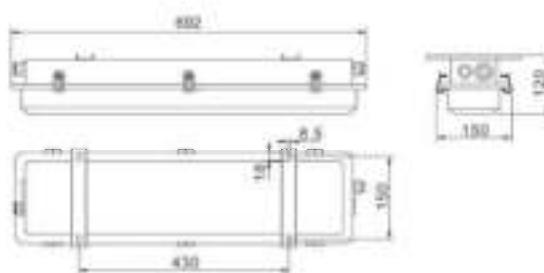
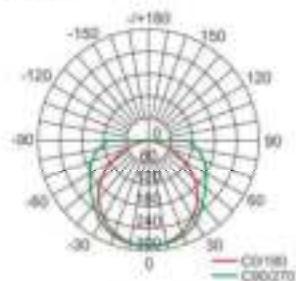
- ZE：自带电源应急90分钟 Self-contained power supply, emergency light operation time 90 minutes
- E：集中电源应急(DC24V/3W) Centralized power supply for emergency
- F：保护网 Wire guard

技术参数 Technical parameters

执行标准 Conformity to standards	IEC60598, IEC60092-306, CCS A 级规范 (CCS standard)
环境温度 Ambient temperature	-40°C~+55°C
光源类型 Light source	LED 模组 LED module
色温 Color temperature	5000K ±250K (3000K, 4000K 可选 Optional)
显色指数 Color rendering index	R _a > 80
防护等级 Degree of protection	IP66, IP67(可选 Optional)
电缆引入口 Cable entry	4 × Φ20.5孔, 配2×M20×1.5 塑料, 2×Φ20密封套, 适用于Φ6~Φ12mm电缆 4 × Φ20.5 hole, with 2×M20×1.5 gland (Plastic), 2×Φ20 sealing plug, suitable for Φ6~Φ12mm cable
接线端子 Terminal	3 × 1.5~4mm ²

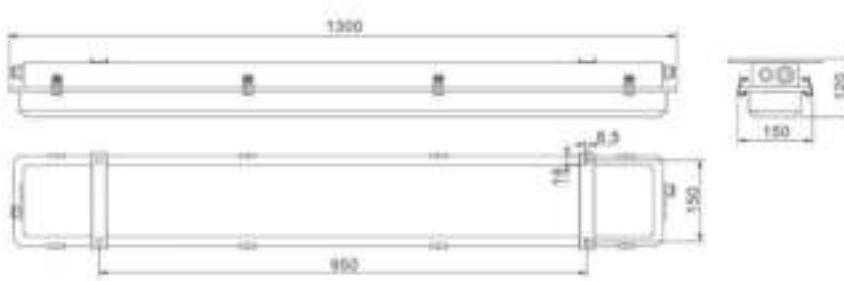
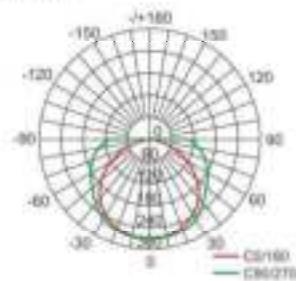
外形尺寸 Outline dimension

ccy1000m



CCY27-L

ccy1000m



CCY47-L



应用场景 Application

- 适用于甲板、车间、机舱、仓库、走廊及船
应区域。
- Deck, workshop, engine room, stores, passage
and other relevant areas.



灯体 Housing

- 优质钢板，表面喷白色塑粉
- High-quality steel plate with white plastic powder
sprayed on the surface

透明罩 Transparent cover

- 透明PC
- Transparent PC

卡扣 Clip

- 不锈钢
- Stainless steel

电气 Electric

- 电子镇流器，宽电压输入 220V~240V AC 50/60Hz
- Electronic ballast, wide voltage input 220V~240V AC 50/60Hz

可选配件 Options

- ZE: 自带电源应急90分钟
- E: 集中电源应急
- F: 保护网
- SS: 不锈钢灯体
- ZE: Self-contained power supply, emergency light operation time 90 minutes.
- E: Centralized power supply for emergency.
- F: Wire guard
- SS: Stainless steel housing

选配表 Selection table

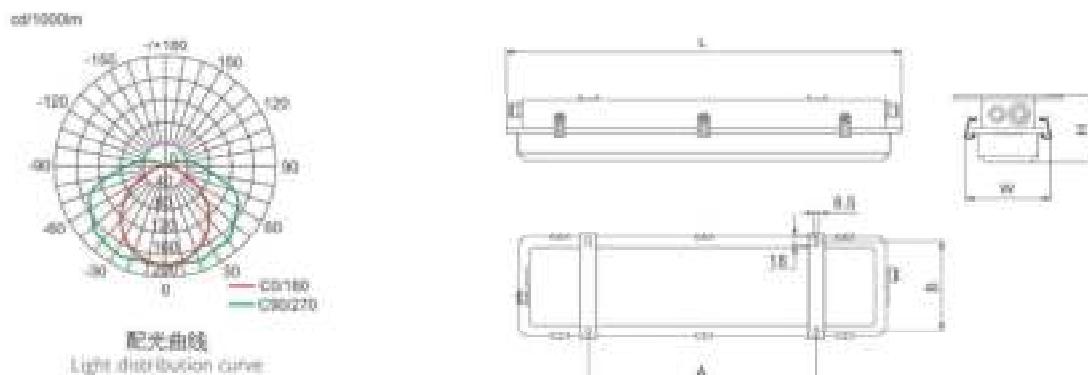
型号 Type	额定电压(V) Rated voltage	额定功率(W) Rated power	重量(kg) Weight
CCY22-2	220V~240V AC 50/60Hz 110V/120V AC 60Hz	18W×2	3.2
CCY42-2		36W×2	5.2

- ZE: 自带电源应急90分钟 self-contained power supply, emergency light operation time 90 minutes.
- E: 集中电源应急(DC24V/16W) Centralized power supply for emergency
- F: 保护网 Wire guard

技术参数 Technical parameters

执行标准 Conformity to standards	IEC60598, IEC60092-306, CCS入级规范 (CCS standard)
环境温度 Ambient temperature	-25°C--55°C
光源类型 Light source	T8荧光灯管 T8 Fluorescent tube
灯座 Lamp holder	G13
防护等级 Degree of protection	IP66, IP67(可选 Optional)
电缆引入口 Cable entry	4xΦ20.5孔, 配2xM20×1.5法兰(塑料), 2xΦ20密封圈, 适用于Φ6-Φ12mm电缆 4xΦ20.5 hole, with 2xM20×1.5 gland flange, 2xΦ20 sealing plug, suitable for Φ6-Φ12mm cable
接线端子 Terminal	3x1.5-4mm ²

外形尺寸 Outline dimension



型号 Type	外形及安装尺寸(mm) Outline and installation dimension				
	H	L	W	A	B
OCY22-2	120	692	150	430	150
OCY42-2	120	1300	150	950	150



应用场景 Application

- 适用于甲板、车间、机舱、仓库、走廊及船
应区域。
- Deck, workshop, engine room, stores, passage
and other relevant areas.



灯体 Housing

- 优质钢板，表面喷白色塑粉
- High-quality steel plate with white plastic powder
sprayed on the surface

透明罩 Transparent cover

- 透明PC
- Transparent PC

卡扣 Clip

- 不锈钢
- Stainless steel

电气 Electric

- 电子镇流器，宽电压输入 220V~240V AC 50/60Hz
- Electronic ballast, wide voltage input 220V~240V AC 50/60Hz

可选配件 Options

- ZE：自带电源应急90分钟
- E：集中电源应急
- LEDT：LED灯管
- F：保护网
- SS：不锈钢灯体
- ZE: Self-contained power supply, emergency light operation time 90 minutes
- E: Centralized power supply for emergency
- LEDT: LED tube
- F: Wire guard
- SS: Stainless steel housing

选配表 Selection table

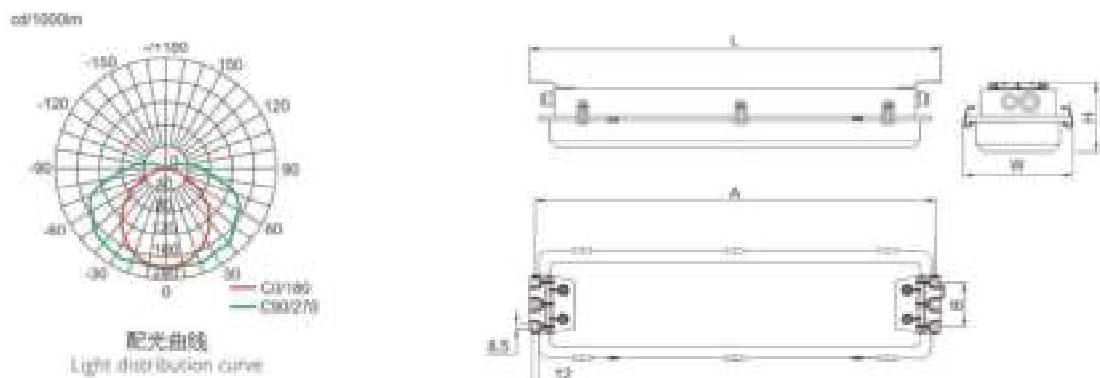
型号 Type	额定电压(V) Rated voltage	额定功率(W) Rated power	重量(kg) Weight
CCY23-2	220V~240V AC 50/60Hz	18W×2	3.2
CCY43-2	110V/120V AC 60Hz	36W×2	5.2

- ZE：自带电源应急90分钟 self-contained power supply, emergency light operation time 90 minutes
- E：集中电源应急(DC24V/15W) Centralized power supply for emergency
- F：保护网 Wire guard

技术参数 Technical parameters

执行标准 Conformity to standards	IEC60598, IEC60092-306, CCS入级规范 (CCS standard)
环境温度 Ambient temperature	-25°C--+55°C
光源类型 Light source	T8荧光灯管 T8 Fluorescent tube
灯座 Lamp holder	G13
防护等级 Degree of protection	IP66, IP67(可选 Optional)
电缆引入口 Cable entry	4xΦ20.5孔, 配2xM20×1.5法兰(塑料), 2xΦ20密封圈, 适用于Φ6-Φ12mm电缆 4xΦ20.5 hole, with 2xM20×1.5 gland flange, 2xΦ20 sealing plug, suitable for Φ6-Φ12mm cable
接线端子 Terminal	3x1.5-4mm ²

外形尺寸 Outline dimension



型号 Type	外形及安装尺寸(mm) Outline and installation dimension				
	H	L	W	A	B
OCY23-2	122	725	150	706	78
OCY43-2	122	1340	150	1320	78

应用场景 Application

- 适用于各类平台、船舶的一般舱室、内走廊、外走廊或易碰、潮湿场所照明。
- Suitable for illumination in general cabin interior and exterior passage of various platforms and ships or in areas that are easy for friction and with moist.

**灯体 Housing**

- 黄铜材质
- Brass material

透明罩 Transparent cover

- 钢化玻璃
- Toughened glass

选配表 Selection table

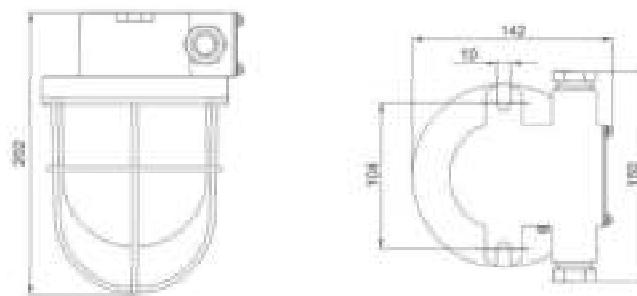
型号 Type	电压(V) Voltage	功率(W) Power	光源类型 Light source	灯座 Lamp holder	壳体类型 Enclosure type	重量(kg) Weight
CCD9-5L	220V~240V AC 50/60Hz 24V DC	≤12W	LED	E27	I	2.5
CCD9-5		60W	白炽灯 Incandescent lamp	B15d		
CCD9-5L		≤12W	LED	E27	II	4.3
CCD9-5		60W	白炽灯 Incandescent lamp	B15d		

- 灯具出厂时不配光源，若用户需要，请注明。
- On delivery light fitting is not equipped with light source. Please specify if needed.

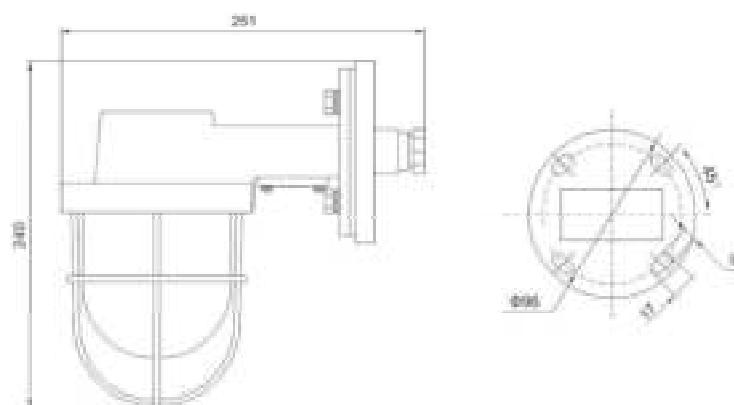
技术参数 Technical parameters

执行标准 Conformity to standards	IEC60598, IEC60092-306, CCS入级规范 (CCS standard)
环境温度 Ambient temperature	-40°C~+55°C
光源类型 Light source	LED灯泡/白炽灯 LED Lamp/Incandescent lamp
防护等级 Degree of protection	IP66/IP68
电缆引入口 Cable entry	适用于Φ10~Φ12mm电缆 Suitable for Φ10~Φ12mm cable
接线端子 Terminal	3×1.5~4mm ²

外形尺寸 Outline dimension



I型 Type I



II型 Type II

应用场景 Application

- 适用于船舶一般舱室或内走廊，如船员居住舱、餐厅、驾驶室、医务室等。
- Suitable for general cabin, inner walkway of ships, such as crew living cabin, dining room, cabin and radio rooms, etc..



灯体 Housing

- 优质钢板，表面喷白色塑粉
- High-quality steel plate with white plastic powder sprayed on the surface

透明罩 Transparent cover

- 透明玻璃
- Transparent glass

安装支架 Mounting frame

- 不锈钢
- Stainless steel

电气 Electric

- 内置应急控制装置及电池组
- In-built emergency controller and battery pack.

标志牌代号 1~6 型 Signs Code: 1~6



1



2



3



4



5



6

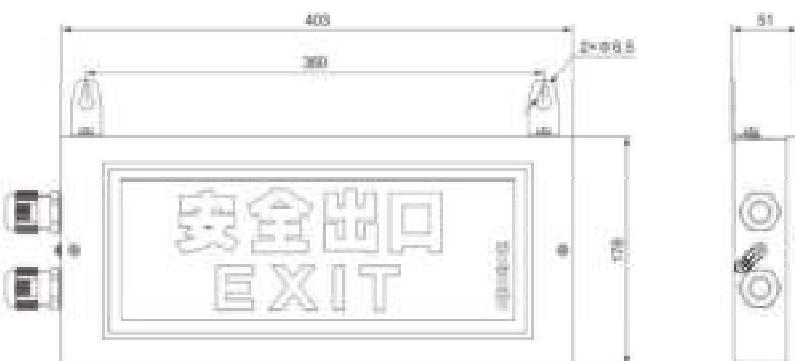
- 请根据指示牌代号进行选型，例如需要 4型指示牌，则型号为：CBL1-4

- Please follow indication board code for selection, for example, if type 4 indication board is required, then the model is CBL1-4.

技术参数 Technical parameters

执行标准 Conformity to standards	GB17945, CCS入级规范 (CCS standard)
额定电压 Rated voltage	220V~240V AC, 110V AC, 50/60Hz
环境温度 Ambient temperature	-40°C~+55°C
光源类型 Light source	LED模组 LED module
防护等级 Degree of protection	IP54
额定功率 Rated power	3W
应急时间 Emergency time	≥120min
灯具重量 Light weight	3.0kg
电缆引入口 Cable entry	2×M25×1.5格兰(塑料), 适用于Φ9~Φ16mm电缆 2×M25×1.5 gland (Plastic), suitable for Φ9~Φ16mm cable
接线端子 Terminal	3×1.5~4mm ²

外形尺寸 Outline dimension



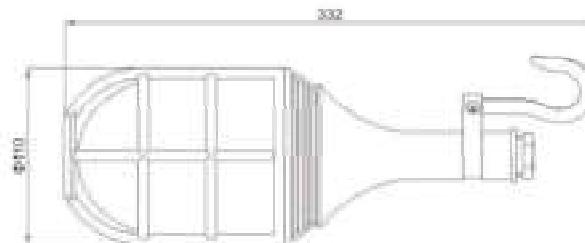
应用场景 Application

- 适用于船舶检修或装卸货物等临时性工作场地照明。
- Suitable for the illumination of the temporary work places where the ship overhaul or the loading and unloading of the cargo are performed.



灯体 Housing

- 工程塑料
- Engineering plastic



透明罩 Transparent cover

- 钢化玻璃
- Toughened glass

技术参数 Technical parameters

执行标准 Conformity to standards:	IEC60068-2, CCS A 级规范 (CCS standard)
环境温度 Ambient temperature	-25°C → +55°C
光源类型 Light source	LED灯泡 LED lamp
灯座 Lamp holder	E26
防护等级 Degree of protection	IP56
电缆引入口 Cable entries	适用于Φ8-Φ10mm电缆 Suitable for Φ8-Φ10mm cable

选配表 Selection table

型号 Type	额定电压(V) Rated voltage	额定功率(W) Rated power	光源类型 Light source	重量(kg) Weight
CSD7	220V AC 50/60Hz 24V DC	≤12W	LED	0.9



防爆灯具系列

EXPLOSION-PROOF LIGHT FITTINGS
series

打造一流船用和海工品牌

Create
A Famous Marine & Offshore
Products Brand





HRY51-G/C 防爆舱顶灯

HRY51-G/C Explosion-proof Pendant Light



应用场景 Application

- 广泛应用于海洋工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域工作及场景照明之用；
- 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- 适用于爆炸性危险环境1区、2区、21区、22区等场所。
- Widely used for the illumination on various marine platforms, chemical tankers, LNG ships and hazardous cargo wharfs, etc.
- Can reliably work in severe environment exposed to moisture, vibration or corrosion.
- Explosive Hazardous Atmosphere Zone 1, Zone 2, Zone 21, Zone 22.



灯体 Housing

- 316L不锈钢板拉伸成型，表面喷塑
- Stretching formed 316L stainless steel, powder coated surface

电气 Electric

- 恒流恒压驱动电源，宽电压输入
- Constant current constant voltage drive power, wide voltage input

透明罩 Transparent cover

- 透明聚碳酸酯，抗4.5冲击
- Cast polycarbonate, stands 4.5 impact

带应急参数(J) Data for light with emergency function

- 单管应急，应急时间≥120min
- Single tube emergency, emergency lighting time ≥120 min

选配表 Selection table

型号 Type	额定电压(V) Rated voltage	额定功率(W) Rated power	光通量(lm) Luminous flux	重量(kg) Weight
HRY51-G/C LED9×2	170V~264V AC 50/60Hz	9W×2	2100	7.2
HRY51-G/C LED18×2		18W×2	3940	11.2
HRY51-G/C LED14×2		14W×2	2560	8.5
HRY51-G/C LED28×2	100V~277V AC 50/60Hz	28W×2	5800	12.5
HRY51-G/C LED14×2J	200V~250V DC	14W×2	2560	8.8
HRY51-G/C LED28×2J		28W×2	5800	12.8

• 灯具出厂时配防爆堵头，若用户需要防爆电缆夹壳密封接头，请注明。The light fitting is supplied with Ex type stopping plug and Ex cable gland is on request.

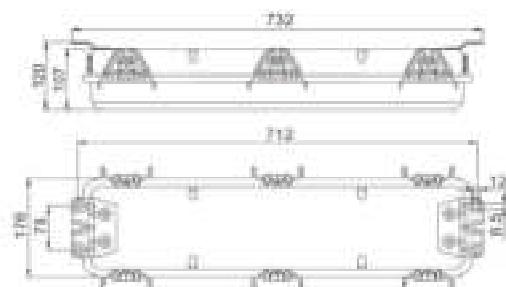
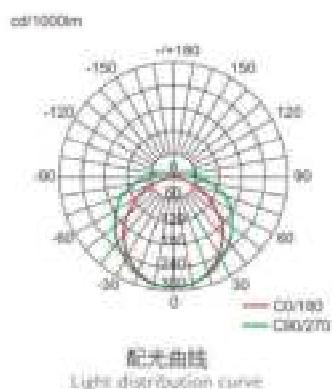
防爆标志选配表 Ex-Mark Selection table

型号 Type	环境温度 Ambient temperature	防爆标志 Ex-Mark		
		GB	IECEx	ATEX
HRY51-G/C LED9×2	-40°C≤Ta≤+55°C	Ex d ia IIC T6 Gb Ex tD A21 IP66/ IP67 T80°C	Ex db eb IIIC T6 Gb Ex tb IIIIC T80°C Db IP66/ IP67	② II 2G Ex db ab IIIC T6 Gb ② II 2D Ex tb IIIIC T80°C Db IP66/ IP67
HRY51-G/C LED18×2	-40°C≤Ta≤+55°C	Ex d ia IIC T5 Gb Ex tD A21 IP66/ IP67 T80°C	Ex db eb IIIC T5 Gb Ex tb IIIIC T80°C Db IP66/ IP67	② II 2G Ex db ab IIIC T5 Gb ② II 2D Ex tb IIIIC T80°C Db IP66/ IP67
HRY51-G/C LED14×2	-40°C≤Ta≤+55°C	Ex d e q IIC T6 Gb Ex tD A21 IP66/ IP67 T80°C	Ex db eb q IIIC T6 Gb Ex tb IIIIC T80°C Db IP66/ IP67	② II 2G Ex db ab q IIIC T6 Gb ② II 2D Ex tb IIIIC T80°C Db IP66/ IP67
HRY51-G/C LED28×2	-40°C≤Ta≤+55°C	Ex d e q IIC T5 Gb Ex tD A21 IP66/ IP67 T80°C	Ex db eb q IIIC T5 Gb Ex tb IIIIC T80°C Db IP66/ IP67	② II 2G Ex db ab q IIIC T5 Gb ② II 2D Ex tb IIIIC T80°C Db IP66/ IP67
HRY51-G/C LED14×2J	-40°C≤Ta≤+40°C	Ex d a q IIC T6 Gb Ex tD A21 IP66/ IP67 T80°C	Ex db eb q IIIC T6 Gb Ex tb IIIIC T80°C Db IP66/ IP67	② II 2G Ex db ab q IIIC T6 Gb ② II 2D Ex tb IIIIC T80°C Db IP66/ IP67
HRY51-G/C LED28×2J	-40°C≤Ta≤+55°C	Ex d a q IIC T5 Gb Ex tD A21 IP66/ IP67 T80°C	Ex db eb q IIIC T5 Gb Ex tb IIIIC T80°C Db IP66/ IP67	② II 2G Ex db ab q IIIC T5 Gb ② II 2D Ex tb IIIIC T80°C Db IP66/ IP67

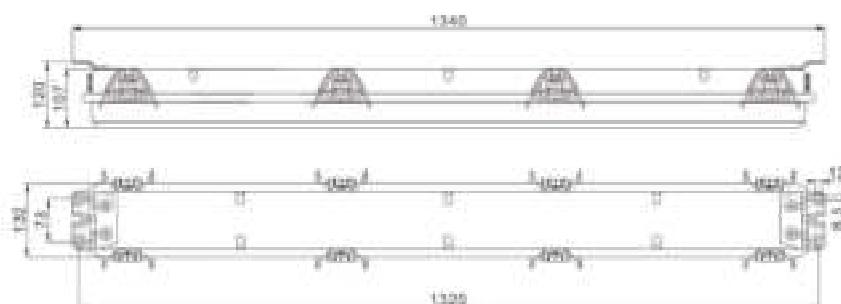
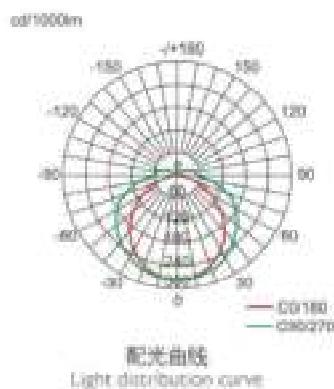
技术参数 Technical parameters

执行标准 Conformity to standards	IEC60079, EN60079, GB3836, GB12476, CCS A组规范 (CCS standard)
环境温度 Ambient temperature	-40°C~+55°C
光源类型 Light source	防爆LED灯管 explosion-proof LED tube
色温 Color temperature	5000K ± 250K (3000K, 4000K可选 Optional)
显色指数 Color rendering index	Ra>80
防护等级 Degree of protection	IP65/IP67
防腐等级 Corrosion-proof	WF2
电缆引入口 Cable entry	4 × Ø 25.5孔, 配4 × M25 × 1.5堵头(黄铜镀镍), 推荐配2 × M25 × 1.5格兰(黄铜镀镍) DGM-D101 Enc. 适用于Φ12.5~Φ20.5mm电缆 4 × Ø 25.5 hole, with 4 × M25 × 1.5 plug (Nickel plated brass). 2 × M25 × 1.5 flange (Nickel plated brass) DGM-D101 Enc. is recommended, suitable for Φ12.5~Φ20.5mm cable.
接线端子 Terminal	3 × 1.5~4mm ²

外形尺寸 Outline dimension



9W×2, 14W×2



18W×2, 28W×2



HRY51-G/P 防爆蓬顶灯

HRY51-G/P Explosion-proof Ceiling Light



应用场景 Application

- 广泛应用于海洋工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域工作及场景照明之用；
- 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- 适用于爆炸性危险环境1区、2区、21区、22区等场所。
- Widely used for the illumination on various marine platforms, chemical tankers, LNG ships and hazardous cargo wharf, etc.
- Can reliably work in severe environment exposed in moisture, vibration or corrosion
- Explosive hazardous atmosphere Zone 1, Zone 2, Zone 21, Zone 22.



灯体 Housing

- 镀锌钢或不锈钢，表面喷塑
- Galvanized steel or stainless steel, powder coated surface

电气 Electric

- 恒流恒压驱动电源，宽电压输入
- Constant current constant voltage drive power, wide voltage input

透明罩 Transparent cover

- 聚碳酸酯，抗UV冲击
- Polycarbonate, stand 4U impact

带应急参数(J) Data for light with emergency function

- 单管应急，应急时间 > 120min
- Single tube emergency, emergency lighting time > 120 min

选配表 Selection table

型号 Type	额定电压(V) Rated voltage	额定功率(W) Rated power	防爆标志 Ex-Mark			重量(g) Weight
			GB	IECEx	ATEX	
HRY51-G/P LED9×2	170V~250V AC 50/60Hz	9W×2	Ex de IIC T6 Gb Ex ID A21 IP66 T80°C	Ex db eb IIC T6 Gb Ex tb IIC T80°C Db IP66	⑤ II2 G Ex dh eb IIIC T6 Gb ⑤ II2 D Ex tb IIIC T80°C Db IP66	7.2
HRY51-G/P LED18×2		18W×2				11.2
HRY51-G/P LED14×2	100V~277V AC 50/60Hz	14W×2	Ex d e q IIC T6 Gb Ex ID A21 IP66 T80°C	Ex db eb q IIC T6 Gb Ex tb IIC T80°C Db IP66	⑤ II2 G Ex db eb q IIC T6 Gb ⑤ II2 D Ex tb IIIC T80°C Db IP66	8.5
HRY51-G/P LED28×2		28W×2				12.5
HRY51-G/P LED14×2U		14W×2				8.5
HRY51-G/P LED28×2U		28W×2	Ex d e q IIC T□° Gb Ex ID A21 IP66 T80°C	Ex db eb q IIC T□° Gb Ex tb IIC T80°C Db IP66	⑤ II2 G Ex db eb q IIC T□° Gb ⑤ II2 D Ex tb IIIC T80°C Db IP66	12.8

- 灯具出厂时配防爆堵头，若用户需要防爆电缆穿孔密封接头，请注明。
- The light fitting is supplied with Ex type stopping plug and Ex cable gland is on request.

防爆标志选配表 Ex-Mark Selection table

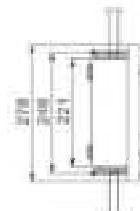
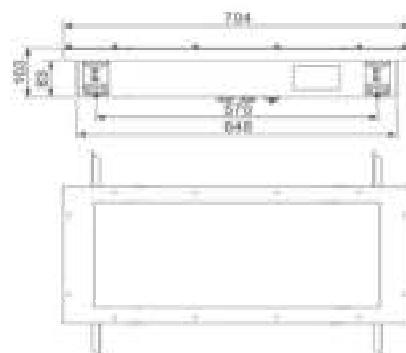
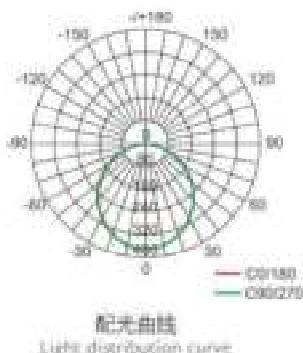
额定功率(W) Rated power	温度级别 Temperature classification	
	-40°C < Ta < +45°C	-40°C < Ta < +55°C
	气体 Gas	气体 Gas
28×2U	T6	T5

技术参数 Technical parameters

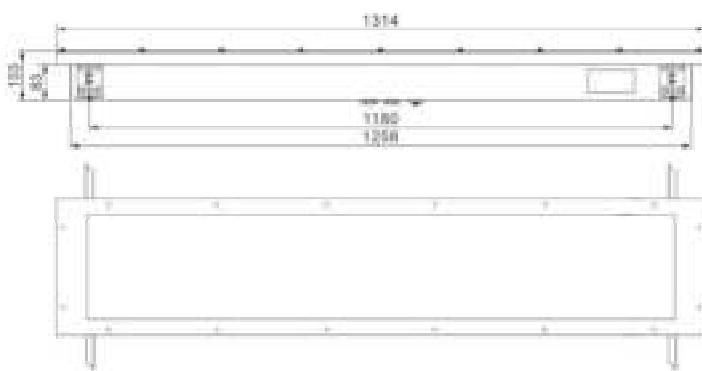
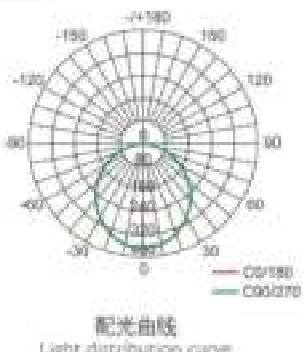
执行标准 Conformity to standards	IEC60079, EN60079, GB3836, GB12476, CCS A组规范 (CCS standard)
环境温度 Ambient temperature	-40°C~+55°C
光源类型 Light source	防爆LED灯管 explosion-proof LED tube
色温 Color temperature	5000K ± 250K (3000K, 4000K可选 Optional)
显色指数 Color rendering index	Ra≥80
防护等级 Degree of protection	IP66
防腐等级 Corrosion-proof	WF2
电缆引入口 Cable entry	4×Φ25.5孔, 配4×M25×1.5堵头(黄铜镀镍), 两端或底部可选。推荐配2×M25×1.5堵头(黄铜镀镍) DQM-BU11 Eex, 适用于Φ12.5~Φ20.5mm电缆 4×Φ25.5 hole, with 4×M25×1.5 plug (Nickel plated brass), Optional at both ends or bottom, 2×M25×1.5 gland (Nickel plated brass) DQM-BU11 Eex is recommended, suitable for Φ12.5~Φ20.5mm cable
接线端子 Terminal	3×1.5~4mm ²

外形尺寸 Outline dimension

cd/1000lm



cd/1000lm





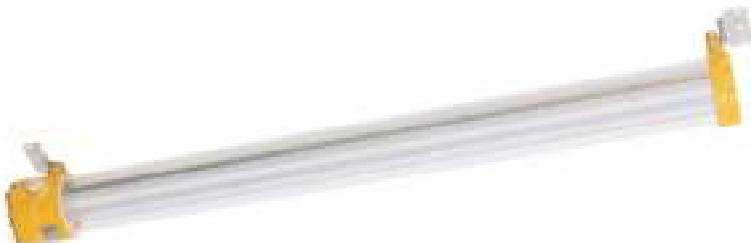
HRY92 隔爆型防爆LED荧光灯

HRY92 Flameproof LED Light Fitting For Fluorescent Lamp



应用场景 Application

- 广泛应用于海洋工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域工作及场景照明之用；
- 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- 适用于爆炸性危险环境1区、2区、21区、22区等场所。
- Widely used for the illumination on various marine platforms, chemical tankers, LNG ships and hazardous cargo wharfs, etc.
- Can reliably work in severe environment exposed to moisture, vibration or corrosion.
- Explosive hazard atmosphere Zone 1, Zone 2, Zone 21, Zone 22.



灯体 Housing

- 优质海工铝合金，表面喷塑
- High quality maritime aluminum alloy, powder coated surface

带应急参数(J) Data for light with emergency function

- 双管应急，应急时间>90min
- Double tube emergency, emergency time >90 min

透明罩 Transparent cover

- 聚碳酸酯，抗UV冲击
- Polycarbonate, stands UV impact

电气 Electric

- 恒流恒压驱动电源，宽电压输入
- Constant current constant voltage drive power, wide voltage input
- 恒流源：187V~264V AC 50/60Hz
- Constant current source: 187V~264V AC 50/60Hz
- 应急控制器：176V~264V AC 50/60Hz
- Emergency controller: 176V~264V AC 50/60Hz

选配表 Selection table

型号 Type	额定电压(V) Rated voltage	额定功率(W) Rated power	光通量(m) Luminous flux	防爆标志 Ex-Mark	重量(kg) Weight
HRY92-20	220V/230V AC 50/60Hz	20W	1750	Ex d IIC T6 Gb Ex ID A21 IP66 T80°C	4.2
HRY92-40		40W	3600		4.2
HRY92-60		60W	4760		5.7
HRY92-20J		20W	1750		4.6
HRY92-40J		40W	3600		4.6
HRY92-60J		60W	4760		6.1

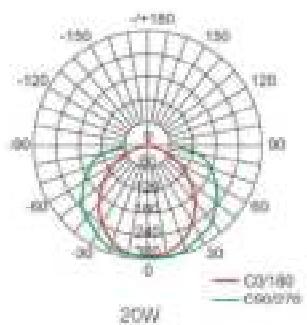
- 灯具出厂时配防爆堵头，若用户需要防爆电缆夹紧密封接头，请注明。
- The light fitting is supplied with Ex type stopping plug and Ex cable gland is on request.

技术参数 Technical parameters

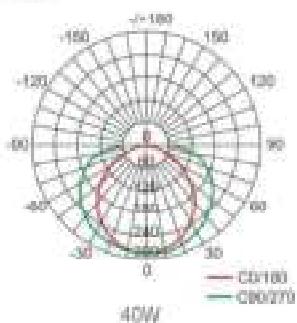
执行标准 Conformity to standards	IEC60079, EN60079, GB3836, GB12476, CCS A组规范 (CCS standard)
环境温度 Ambient temperature	-40°C--55°C
光源类型 Light source	LED 模组 LED module
色温 Color temperature	5000K ± 250K (3000K, 4000K可选 Optional)
显色指数 Color rendering index	Ra>80
防护等级 Degree of protection	IP66
防腐等级 Corrosion-proof	WF2
电缆引入口 Cable entry	2x M25×1.5堵头(铝合金), 推荐配2x M25×1.5格兰(黄铜镀镍) DQM-III/III Exit, 适用于Φ12.5-Φ20.5mm电缆 2x M25×1.5 plug (Aluminum alloy). 2x M25×1.5 gland (Nickel plated brass) DQM-III/II Exit is recommended. suitable for Φ12.5-Φ20.5mm cable
接线端子 Terminal	3x 1.5-2.5mm ²

外形尺寸 Outline dimension

cd/1000m



cd/1000m





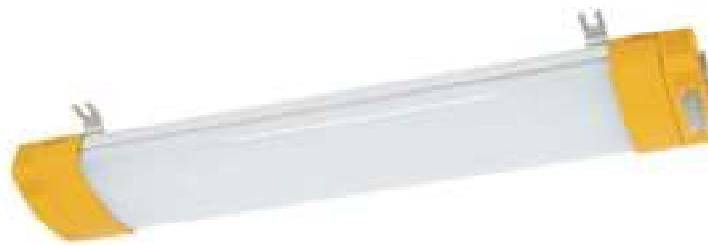
HRY92 防爆高效节能LED灯

HRY92 Explosion-proof High-efficiency Energy-saving LED Lamp



应用场景 Application

- 广泛应用于海洋工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域工作及场景照明之用；
- 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- 适用于爆炸性危险环境1区、2区、21区、22区等场所。
- Widely used for the illumination on various marine platforms, chemical tankers, LNG ships and hazardous cargo wharfs, etc.
- Can reliably work in severe environment exposed to moisture, vibration or corrosion.
- Explosive hazard atmosphere Zone 1, Zone 2, Zone 21, Zone 22.



灯体 Housing

- 优质海工铝合金，表面喷塑
- High quality maritime aluminum alloy, powder coated surface

电气 Electric

- 恒流恒压驱动电源，宽电压输入
- Constant current constant voltage drive power, wide voltage input

透明罩 Transparent cover

- 聚碳酸酯，抗UV冲击
- Polycarbonate, stands UV impact

带应急参数(J) Data for light with emergency function

- 单管应急，应急时间≥90min
- Single tube emergency, emergency time: ≥90 min

选配表 Selection table

型号 Type	额定电压(V) Rated voltage	额定功率(W) Rated power	光通量(m) Luminous flux	防爆标志 Ex-Mark	重量(kg) Weight
HRY92-20	220V/230V AC 50/60Hz	20W	1840	Ex e Iib mb IIIC T4 Gb Ex tD A21 IP66 T130°C	4.7
HRY92-20J			1820		4.8
HRY92-40		40W	3680		4.9
HRY92-40J			3640		5.0

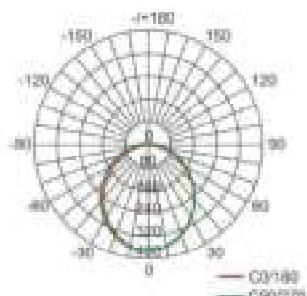
- 灯具出厂时配防爆堵头，若用户需要防爆电缆夹紧密封接头，请注明。
- The light fitting is supplied with Ex type stopping plug and Ex cable gland is on request.

技术参数 Technical parameters

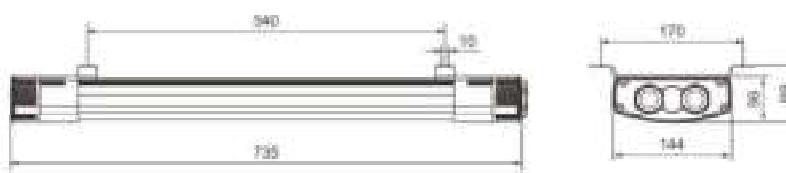
执行标准 Conformity to standards	IEC60079, EN60079, GB3836, GB12476, CCS A组规范 (CCS standard)
环境温度 Ambient temperature	-40°C~+45°C
光源类型 Light source	LED 模组 LED module
色温 Color temperature	5000K ± 250K (3000K, 4000K可选 Optional)
显色指数 Color rendering index	Ra≥80
防护等级 Degree of protection	IP66
防腐等级 Corrosion-proof	WF2
电缆引入口 Cable entry	2x M25×1.5堵头(铝合金), 推荐配2x M25×1.5格兰(黄铜镀镍)DQM-II/III Exd, 适用于Φ12.5~Φ20.5mm电缆 2x M25×1.5 plug (Aluminum alloy), 2x M25×1.5 gland (Nickel plated brass) DQM-II/III Exd is recommended, suitable for Φ12.5~Φ20.5mm cable
接线端子 Terminal	3x 1.5~4mm ²

外形尺寸 Outline dimension

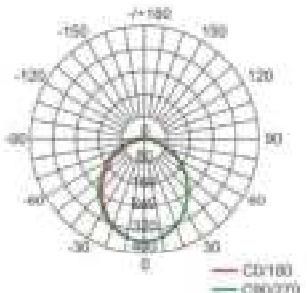
cd/1000lm



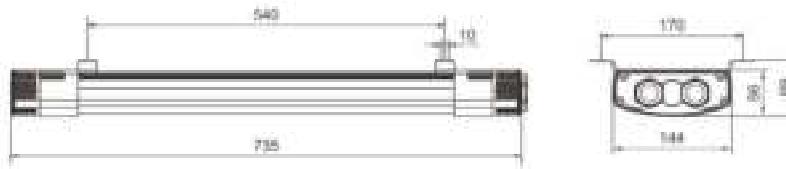
配光曲线
Light distribution curve



cd/1000lm



配光曲线
Light distribution curve





BAY51-Q LED 防爆防腐全塑LED灯

BAY51-Q LED Explosion-proof Corrosion-proof Plastic Light Fitting For LED Lamp



应用场景 Application

- 广泛应用于海洋工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域工作及场景照明之用；
- 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- 适用于爆炸性危险环境1区、2区、21区、22区等场所。
- Widely used for the illumination on various marine platforms, chemical tankers, LNG ships and hazardous cargo wharfs, etc.
- Can reliably work in severe environment exposed to moisture, vibration or corrosion.
- Explosive hazardous atmosphere Zone 1, Zone 2, Zone 21, Zone 22.



灯体 Housing

- GRP材质
- GRP material

电气 Electric

- 恒流恒压驱动电源，宽电压输入
- Constant current constant voltage drive power, wide voltage input

透明罩 Transparent cover

- PC材质，抗AJ冲击
- PC material, stands AJ impact

带应急参数(J) Data for light with emergency function

- 单管应急，应急时间 > 120min
- Single tube emergency, emergency lighting time > 120 min

选配表 Selection table

型号 Type	额定电压(V) Rated voltage	额定功率(W) Rated power	光通量(m) Luminous flux	防爆标志 Ex-Mark			重量(g) Weight
				GB	IECEx	ATEX	
BAY51-Q LED9×2	170V~260V AC 50/60Hz	9W×2	1870	Ex e op s IIC T6 Gb Ex d A21 IP66 T60°C	Ex db eb IIC T6 Gb Ex tb IIC T60°C Dn IP66	④ II 2G Ex db eb IIC T6 Gb ④ II 2D Ex tb IIC T60°C Dn IP66	8.1
BAY51-Q LED18×2		18W×2	3720				13.3
BAY51-Q LED14×2	100V~277V AC 50/60Hz	14W×2	2905	Ex e op s IIC T6 Gb Ex d A21 IP66 T60°C 见选配表 See Selection Table	Ex db eb q IIC T6 Gb Ex tb IIC T60°C Dn IP66 见选配表 See Selection Table	④ II 2G Ex db eb q IIC T6 Gb ④ II 2D Ex tb IIC T60°C Dn IP66 见选配表 See Selection Table	8.5
BAY51-Q LED14×2J		14W×2	2905				8.6
BAY51-Q LED28×2	220V~250V DC	28W×2	5770				13.7
BAY51-Q LED28×2J		28W×2	5770				14.4

- 灯具出厂时配防爆堵头，若用户需要防爆电缆或密封接头，请注明。
- The light fitting is supplied with Ex type stopping plug and Ex cable gland is on request.

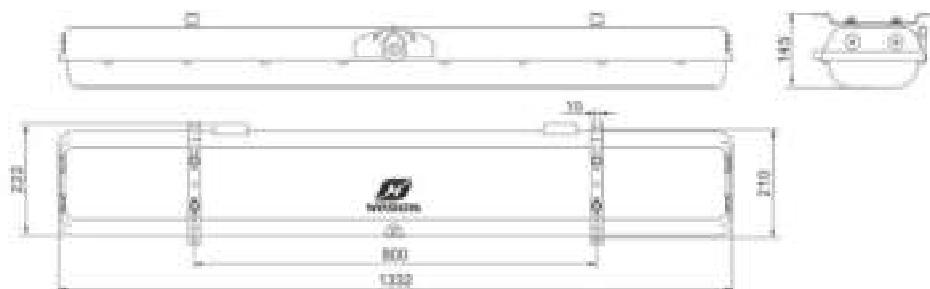
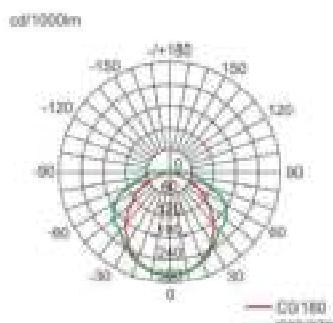
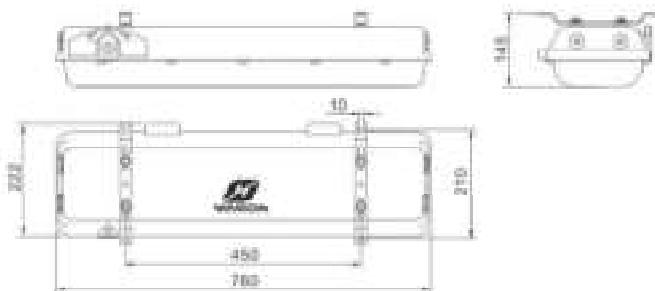
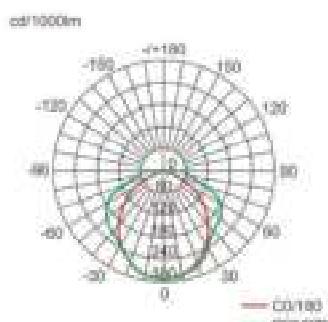
防爆标志选配表 Ex-Mark Selection table

额定功率(W) Rated power	温度级别 Temperature classification	
	-40°C < Ta < +45°C	-40°C < Ta < +55°C
14×2, 14×2J, 28×2, 28×2J	T6	T5

技术参数 Technical parameters

执行标准 Conformity to standards	IEC60079, EN60079, GB3836, GB12476, CCS A组规范 (CCS standard)
环境温度 Ambient temperature	-40°C--+55°C
光源类型 Light source	LED灯管 LED tube
色温 Color temperature	5000K ± 250K (3000K, 4000K可选 Optional)
显色指数 Color rendering index	Ra>80
防护等级 Degree of protection	IP66
防腐等级 Corrosion-proof	WF2
电缆引入口 Cable entry	4×Φ 26孔, 配4×M25×1.5堵头(塑料). 推荐配2×M25×1.5格兰(黄铜镀镍) DQM-BIII Exe. 适用于Φ 12.5~Φ 20.5mm电缆 4×Φ 26 hole, with 4×M25×1.5 plug (Plastic). 2×M25×1.5 gland (Nickel plated brass) DQM-BIII Exe is recommended. suitable for Φ 12.5~Φ 20.5mm cable
接线端子 Terminal	3×1.5~4mm ²

外形尺寸 Outline dimension





HRY82 隔爆型防爆荧光灯

HRY82 Flameproof Light Fitting For Fluorescent Lamp



应用场景 Application

- 广泛应用于海洋工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域工作及场景照明之用；
- 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- 适用于爆炸性危险环境1区、2区、21区、22区等场所。
- Widely used for the illumination on various marine platforms, chemical tankers, LNG ships and hazardous cargo wharfs, etc.
- Can reliably work in severe environment exposed in moisture, vibration or corrosion.
- Explosive hazardous atmosphere Zone 1, Zone 2, Zone 21, Zone 22.



灯体 Housing

- 优质海工铝合金，表面喷塑
- High quality maritime aluminum alloy, powder coated surface

电气 Electric

- 电子镇流器，宽电压输入 220V~240V AC 50/60Hz
- Electronic ballast; wide voltage input 220V~240V AC 50/60Hz

透明罩 Transparent cover

- 聚碳酸酯，抗AJ冲击
- Poly carbonate, stands AJ impact

带应急参数(J) Data for light with emergency function

- 单管应急，应急时间 ≥90min
- Single tube emergency, emergency time ≥90 min

选配表 Selection table

型号 Type	额定电压(V) Rated voltage	额定功率(W) Rated power	光通量(m) Luminous flux	防爆标志 Ex-Mark	重量(kg) Weight
HRY82-18×2	220V/230V 50/60Hz	18W × 2	1650	Ex d IIIC T6 Gb Ex d A21 IP66 T80°C	4.3
HRY82-18×2J		18W × 2	1630		4.7
HRY82-36×2		36W × 2	3260		5.8
HRY82-36×2J		36W × 2	3220		6.2

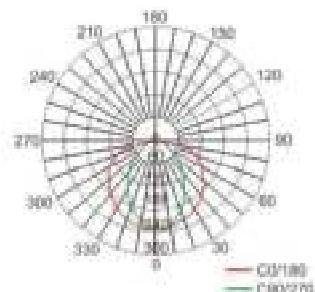
- 灯具出厂时配防爆堵头，若用户需要防爆电缆夹紧密时接头，请注明。
- The light fitting is supplied with Ex type stopping plug and Ex cable gland is on request.

技术参数 Technical parameters

执行标准 Conformity to standards	IEC60079, EN60079, GB3836, GB12476, CCS A组规范 (CCS standard)
环境温度 Ambient temperature	-40°C~+60°C
光源类型 Light source	T8荧光灯管 T8 Fluorescent tube
防护等级 Degree of protection	IP66
防腐等级 Corrosion-proof	WF2
电缆引入口 Cable entry	2×M25×1.5堵头(铝合金), 排线配2×M25×1.5法兰(黄铜镀镍) DQM-B/BL Exit, 适用于Φ12.5~Φ20.5mm电缆 2×Φ25×1.5 plug (Aluminum alloy). 2×M25×1.5 gland (Nickel plated brass) DQM-B/BL Exit is recommended. suitable for Φ12.5~Φ20.5mm cable
接线端子 Terminal	3×1.5~4mm ²

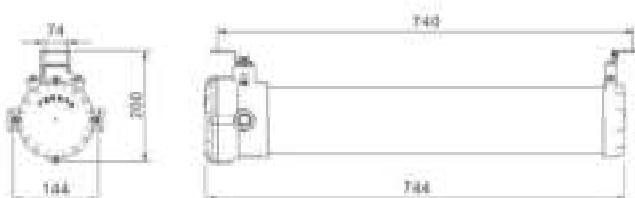
外形尺寸 Outline dimension

cd/1000m

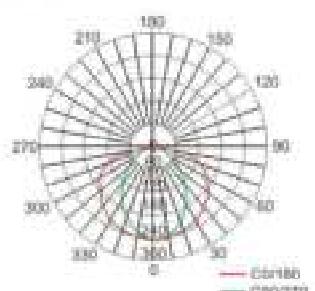


配光曲线
Light distribution curve

18W × 2 □



cd/1000m



配光曲线
Light distribution curve

36W × 2 □





BAY51-Q 防爆防腐全塑荧光灯

BAY51-Q Explosion-proof Corrosion-proof Plastic Light Fitting For Fluorescent Lamp



应用场景 Application

- 广泛应用于海洋工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域工作及场景照明之用；
- 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- 适用于爆炸性危险环境1区、2区、21区、22区等场所。
- Widely used for the illumination on various marine platforms, chemical tankers, LNG ships and hazardous cargo wharfs, etc.
- Can reliably work in severe environment exposed to moisture, vibration or corrosion.
- Explosive hazard atmosphere Zone 1, Zone 2, Zone 21, Zone 22.



灯体 Housing

- GRP材质
- GRP material

电气 Electric

- 防爆电子镇流器，宽电压输入
- Explosion-proof electronic ballast, wide voltage input

透明罩 Transparent cover

- PC材质，抗4J冲击
- PC material, stands 4J impact.

带应急参数(J) Data for light with emergency function

- J：单管应急，应急时间≥120min
- J Single tube emergency, emergency lighting time ≥120 min.

选配表 Selection table

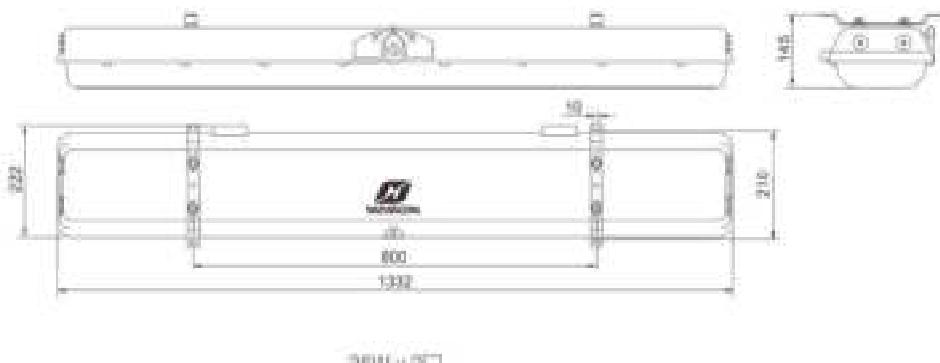
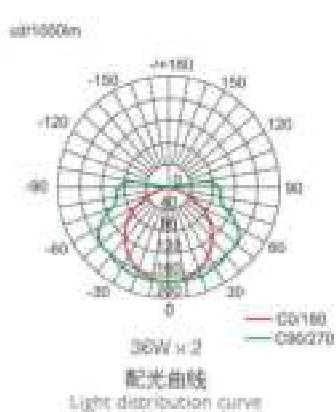
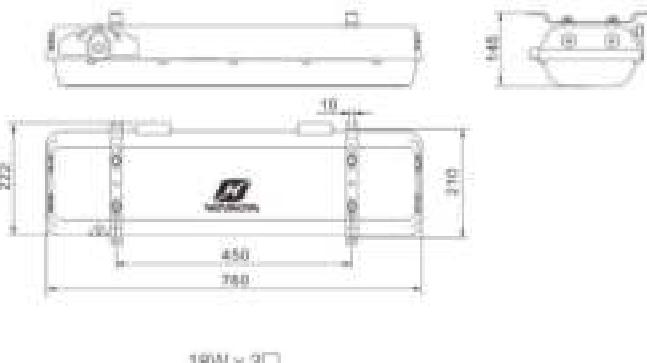
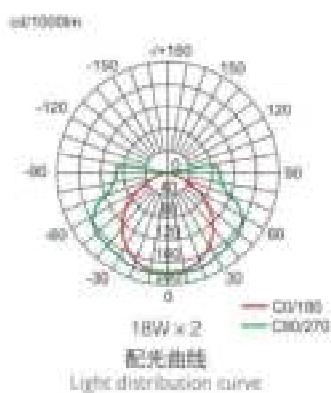
型号 Type	额定电压(V) Rated voltage	额定功率(W) Rated power	光通量(m) Luminous flux	防爆标志 Ex-Mark			重量(kg) Weight
				GB	IECEx	ATEX	
BAY51-Q 18×2	90V~250V AC 50/60Hz	18W × 2	2600	Ex d Iq IIC T4 Gb Ex d A21 IP66 T80°C	Ex d Iq IIC T4 Gb Ex t IIIC T80°C Db IP66	④ II 2 G Ex d Iq IIC T4 Gb ④ II 2 D Ex t IIIC T80°C Db IP66	6.9
BAY51-Q 36×2		36W × 2	6500				11.4
BAY51-Q 18×2J		18W × 2	2600	Ex d Iq IIC T4 Gb Ex d A21 IP66 T80°C	Ex d Iq IIC T4 Gb Ex t IIIC T80°C Db IP66	④ II 2 G Ex d Iq IIC T4 Gb ④ II 2 D Ex t IIIC T80°C Db IP66	9.7
BAY51-Q 36×2J		36W × 2	6500				13.1

- 灯具出厂时配防爆堵头，若用户需要防爆电缆头请密封接头，请注明。
- The light fitting is supplied with Ex type stopping plug and Ex cable gland is on request.

技术参数 Technical parameters

执行标准 Conformity to standards	IEC60079, EN60079, GB3836, GB12476, CCS A组规范 (CCS standard)
环境温度 Ambient temperature	-20°C~+55°C
光源类型 Light source	T8荧光灯管 T8 Fluorescent tube
防护等级 Degree of protection	IP66
防腐等级 Corrosion-proof	WF2
电缆引入口 Cable entry	4 × Φ25孔, 配4×M25×1.5堵头(塑料), 推荐配2×M25×1.5法兰(黄铜镀镍) DQM-BIII Exd,适用于Φ12.5~Φ20.5mm电缆 4×Φ26 hole, with 4×M25×1.5 plug (Plastic). 2×M25×1.5 gland (Nickel plated brass) DQM-BIII Exd is recommended, suitable for Φ12.5~Φ20.5mm cable
接线端子 Terminal	3×1.5~4mm ²

外形尺寸 Outline dimension





HRD91 防爆高效节能LED灯

HRD91 Explosion-proof High Efficiency Energy-saving LED Light



应用场景 Application

- 广泛应用于海洋工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域工作及场景照明之用；
- 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- 适用于爆炸性危险环境1区、2区、21区、22区等场所。
- Widely used for the illumination on various marine platforms, chemical tankers, LNG ships and hazardous cargo wharfs, etc.
- Can reliably work in severe environment exposed to moisture, vibration or corrosion.
- Explosive hazardous atmosphere Zone 1, Zone 2, Zone 21, Zone 22.



灯体 Housing

- 优质海工铝合金，表面喷塑
- High quality maritime aluminum alloy, powder coated surface

透明罩 Transparent cover

- 钢化玻璃，抗A.O冲击
- Toughened glass, stands A.I impact

电气 Electric

- 恒流恒压驱动电源，宽电压输入100V~277V AC 50/60Hz
- Constant current constant voltage drive power, wide voltage input 100V~277V AC 50/60Hz

选配表 Selection table

型号 Type	额定电压(V) Rated voltage	额定功率(W) Rated power	光通量(m) Luminous flux	防爆标志 Ex-Mark	重量(kg) Weight
HRD91-30	220V/230V AC 50/60Hz, 100V~277V AC 50/60Hz	30W	3150	Ex d IIC T ¹ Gb Ex d A21 IP66 T ¹ ~T ⁶ C <small>*见选型表 *See Selection table</small>	4.3
HRD91-50		50W	5450		
HRD91-70		70W	7955		
HRD91-100		100W	10800		6.2
HRD91-120		120W	12930		

- 灯具出厂时配防爆堵头，若用户需要防爆电缆头紧密式接头，请注明。
- The light fitting is supplied with Ex type stopping plug and Ex cable gland is on request.

防爆标志选配表 Ex-Mark Selection table

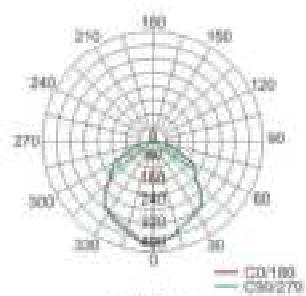
额定功率(W) Rated power	温度级别 Temperature classification			
	-40°C≤Ta≤+40°C		-40°C≤Ta≤+65°C	
	气体 Gas	粉尘 Dust	气体 Gas	粉尘 Dust
30, 50, 70, 100	T6	80°C	T5	95°C
120	T5	95°C	T4	130°C

技术参数 Technical parameters

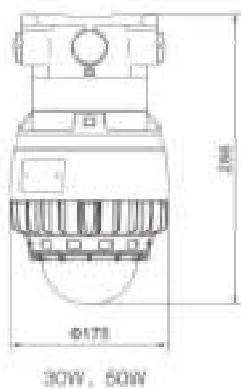
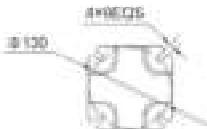
执行标准 Conformity to standards	IEC60079, EN60079, GB3836, GB12476, CCS入级规范 (CCS standard)
环境温度 Ambient temperature	-40°C--55°C
光源类型 Light source	LED 模组 LED module
色温 Color temperature	5700K ±250K
显色指数 Color rendering index	Ra≥80
防护等级 Degree of protection	IP66
防腐等级 Corrosion-proof	WF2
电缆引入口 Cable entry	极面式: 4×M25×1.5堵头(铝合金), 立柱式: 2×M25×1.5堵头(铝合金). 推荐配2×M25×1.5法兰(黄铜镀镍)DQM-III/II End, 适用于Φ12.5-Φ20.5mm电缆 Ceiling type: 4×M25×1.5 plug (Aluminum alloy), pole type: 2×M25×1.5 plug (Aluminum alloy), 2×M25×1.5 gland (Nickel plated brass) DQM-III/II End is recommended, suitable for Φ12.5-Φ20.5mm cable
接线端子 Terminal	3 × 1.5~4mm ²

外形尺寸 Outline dimension

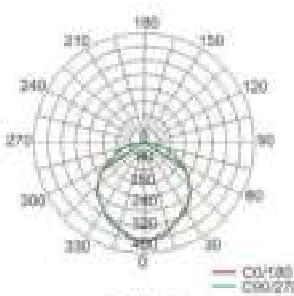
cd/1000lm



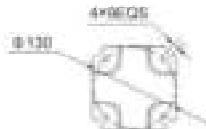
配光曲线
Light distribution curve



cd/1000lm



配光曲线
Light distribution curve





HRD92 防爆高效节能LED灯

HRD92 Explosion-proof High Efficiency Energy-saving LED Light



应用场景 Application

- 广泛应用于海洋工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域工作及场景照明之用；
- 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- 适用于爆炸性危险环境1区、2区、21区、22区等场所。
- Widely used for the illumination on various marine platforms, chemical tankers, LNG ships and hazardous cargo wharfs, etc.
- Can reliably work in severe environment exposed to moisture, vibration or corrosion.
- Explosive hazard atmosphere Zone 1, Zone 2, Zone 21, Zone 22.



灯体 Housing

- 优质海工铝合金，表面喷塑
- High quality maritime aluminum alloy, powder coated surface

透明罩 Transparent cover

- 钢化玻璃，抗AI冲击
- Toughened glass, stands AI impact

电气 Electric

- 恒流恒压驱动电源，宽电压输入100V~277V AC 50/60Hz
- Constant current constant voltage drive power, wide voltage input 100V~277V AC 50/60Hz

选配表 Selection table

型号 Type	额定电压(V) Rated voltage	额定功率(W) Rated power	光通量(m) Luminous flux	防爆标志 Ex-Mark	重量(kg) Weight
HRD92-30		30W	2480		2.1
HRD92-60	220V/230V	60W	5630	Ex d IIC T□°C Ex d A21 IP66 T□°C	2.8
HRD92-70	50/60Hz	70W	7270	“见接线图” See Selection Table	2.8
HRD92-100		100W	6820		6.8

- 灯具出厂时配防爆堵头，若用户需要防爆电缆夹紧密封接头，请注明。
- The light fitting is supplied with Ex type stopping plug and Ex cable gland is on request.

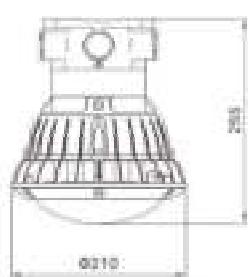
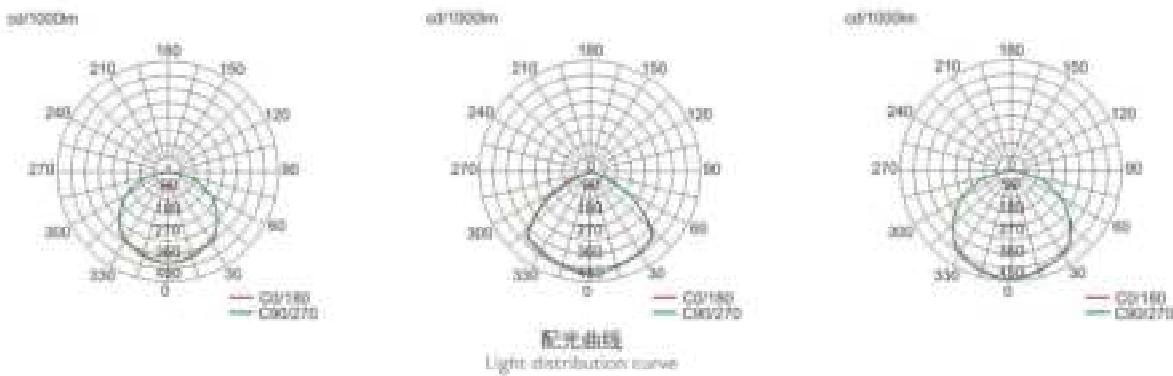
防爆标志选配表 Ex-Mark Selection table

额定功率(W) Rated power	温度级别 Temperature classification			
	-40°C ≤ Ta ≤ +40°C		-40°C ≤ Ta ≤ +65°C	
	气体 Gas	粉尘 Dust	气体 Gas	粉尘 Dust
30, 60, 70, 100	T6	80°C	T5	95°C

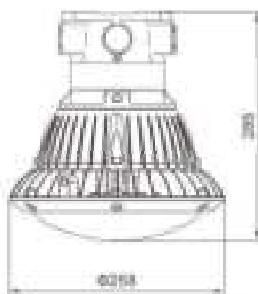
技术参数 Technical parameters

执行标准 Conformity to standards	IEC60079, EN60079, GB3836, GB12476, CCS A组规范 (CCS standard)
环境温度 Ambient temperature	-40°C--55°C
光源类型 Light source	LED 模组 LED module
色温 Color temperature	5700K ±250K
显色指数 Color rendering index	Ra≥70
防护等级 Degree of protection	IP66
防腐等级 Corrosion-proof	WF2
电缆引入口 Cable entry	4×M25×1.5堵头(铝合金), 推荐配2×M25×1.5格兰(黄铜镀镍) DQM-I/III Exd, 适用于Φ12.5-Φ20.5mm电缆 4×M25×1.5 plug (Aluminum alloy), 2×M25×1.5 gland (Nickel plated brass) DQM-I/III Exd is recommended suitable for Φ12.5-Φ20.5mm cable
接线端子 Terminal	3×1.5-4mm ²

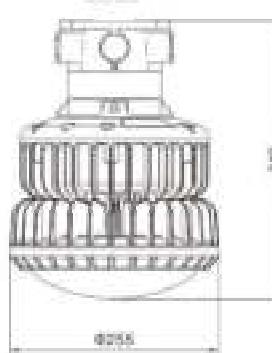
外形尺寸 Outline dimension



30W



50W, 70W



100W



HRD82 防爆高效节能HID灯

HRD82 Explosion-proof High Efficiency Energy-saving HID Light



应用场景 Application

- 广泛应用于海洋工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域工作及场景照明之用；
- 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- 适用于爆炸性危险环境1区、2区、21区、22区等场所。
- Widely used for the illumination on various marine platforms, chemical tankers, LNG ships and hazardous cargo wharfs, etc.
- Can reliably work in severe environment exposed in moisture, vibration or corrosion.
- Explosive hazardous atmosphere Zone 1, Zone 2, Zone 21, Zone 22.



灯体 Housing

- 优质海工铝合金，表面喷塑
- High quality maritime aluminum alloy, powder coated surface

透明罩 Transparent cover

- 钢化玻璃，抗4J冲击
- Toughened glass, stands 4J impact

电气 Electric

- 电感镇流器
- Electromagnetic ballast

选配表 Selection table

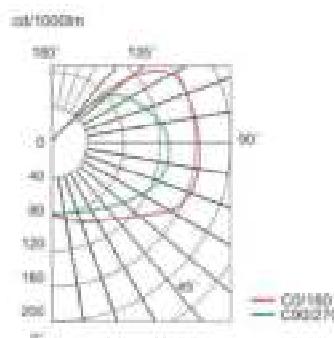
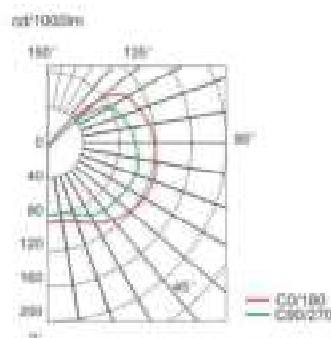
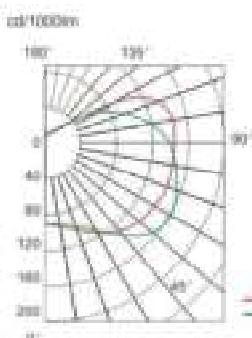
型号 Type	额定电压(V) Rated voltage	额定功率(W) Rated power	灯座 Lamp holder	防爆标志 Ex-Mark	重量(kg) Weight
HRD82-L70	220V/230V AC 50/60Hz	70W	E27	Ex d IIC T4 Gb Ex tD A21 IP66 T130°C	9.5
HRD82-L100		100W			
HRD82-N70		70W			
HRD82-N100		100W			
HRD82-L150		150W	E40	Ex d IIC T3 Gb / Ex tD A21 IP66 T195°C	15.5
HRD82-N150		150W		Ex d IIC T4 Gb / Ex tD A21 IP66 T130°C	
HRD82-L250		250W			
HRD82-N250		250W		Ex d IIC T3 Gb	
HRD82-L400		400W		Ex tD A21 IP66 T195°C	
HRD82-N400		400W			21.5

- 灯具出厂时配防爆堵头，若用户需要防爆电缆夹紧密封插头，请注明。
- The light fitting is supplied with Ex type stopping plug and Ex cable gland is on request.

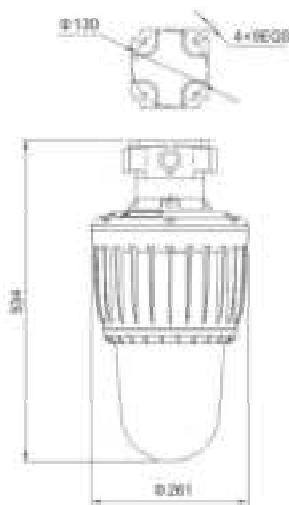
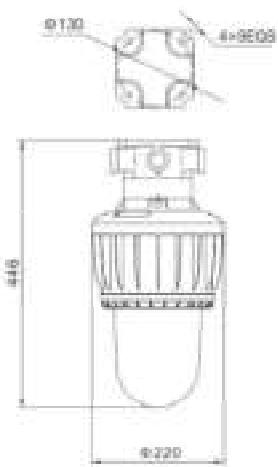
技术参数 Technical parameters

执行标准 Conformity to standards	IEC60079, EN60079, GB3836, GB12476, CCS A组规范 (CCS standard)
环境温度 Ambient temperature	-25°C~+55°C
光源类型 Light source	金属卤灯(L)：高压钠灯(N) Metal halide lamp, High-pressure sodium lamp
防护等级 Degree of protection	IP66
防腐等级 Corrosion-proof	WF2
电缆引入口 Cable entry	4×M25×1.5堵头(铝合金), 接线配2×M25×1.5法兰(黄铜镀镍) DQM-II/III Exd, 适用于Φ12.5~Φ20.5mm电缆 4×M25×1.5 plug (Aluminum-alloy). 2×P25×1.5 gland (nickel plated brass) DQM-II/III Exd is recommended, suitable for Φ12.5~Φ20.5mm cable
接线端子 Terminal	3×1.5~4mm ²

外形尺寸 Outline dimension



配光曲线
Light distribution curve



HRD82-L70, L100, L150, N70, N100

HRD82-N150, L250, N250

HRD82-L400, N400



HRD95 防爆LED灯

HRD95 Explosion-proof LED Lighting



应用场景 Application

- 广泛应用于海洋工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域工作及场景照明之用；
- 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- 适用于爆炸性危险环境1区、2区、21区、22区等场所。
- Widely used for the illumination on various marine platforms, chemical tankers, LNG ships and hazardous cargo wharfs, etc.
- Can reliably work in severe environment exposed to moisture, vibration or corrosion.
- Explosive hazard atmosphere Zone 1, Zone 2, Zone 21, Zone 22.



灯体 Housing

- 优质海工铝合金，表面喷塑
- High quality maritime aluminum alloy, powder coated surface

透明罩 Transparent cover

- 钢化玻璃，抗AJ冲击
- Toughened glass, stands AJ impact

电气 Electric

- 恒流恒压驱动电源，宽电压输入
- Constant current constant voltage drive power, wide voltage input

选配表 Selection table

型号 Type	额定电压(V) Rated voltage	额定功率(W) Rated power	光通量(lm) Luminous flux	防爆标志 Ex-Mark		重量(kg) Weight
				IECEx	ATEX	
HRD95-90-90K	100~277V AC 50/60Hz, 130~250V DC	60	7232	Ex db op ia IIC T ₂ Gb Ex tb op ia IIIC T ₂ Db IP66	II 2 G Ex db op ia IIC T ₂ Gb II 2 D Ex tb op ia IIIC T ₂ Db IP66 见选配表 "See Selection Table"	9.80
HRD95-90-90K		90	10668			9.80
HRD95-160-120K		120	14149	Ex db op ia IIC T ₂ Gb Ex tb op ia IIIC T ₂ Db IP66	II 2 G Ex db op ia IIC T ₂ Gb II 2 D Ex tb op ia IIIC T ₂ Db IP66 见选配表 "See Selection Table"	12.70
HRD95-160-160K		160	18485			12.70
HRD95-240-200K		200	24568	Ex db op ia IIC T ₂ Gb Ex tb op ia IIIC T ₂ Db IP66	II 2 G Ex db op ia IIC T ₂ Gb II 2 D Ex tb op ia IIIC T ₂ Db IP66 见选配表 "See Selection Table"	27.50
HRD95-240-240K		240	29210	Ex db op ia IIC T ₂ Gb Ex tb op ia IIIC T ₂ Db IP66	II 2 G Ex db op ia IIC T ₂ Gb II 2 D Ex tb op ia IIIC T ₂ Db IP66 见选配表 "See Selection Table"	27.50

- 灯具出厂时配防爆堵头，若用户需要防爆电缆头或密封插头，请注明。
- 本灯具具有聚光和泛光两种配光，标准产品为不带透镜泛光配光效果，如须带透镜，下单请注明。
- The light fitting is supplied with Ex type stopping plug and Ex cable gland is on request.
- Two types of light distributions: spotlight and floodlight. The light fitting is supplied without lens and the lighting distribution is for floodlight. If the lens is required, please specify when ordering.

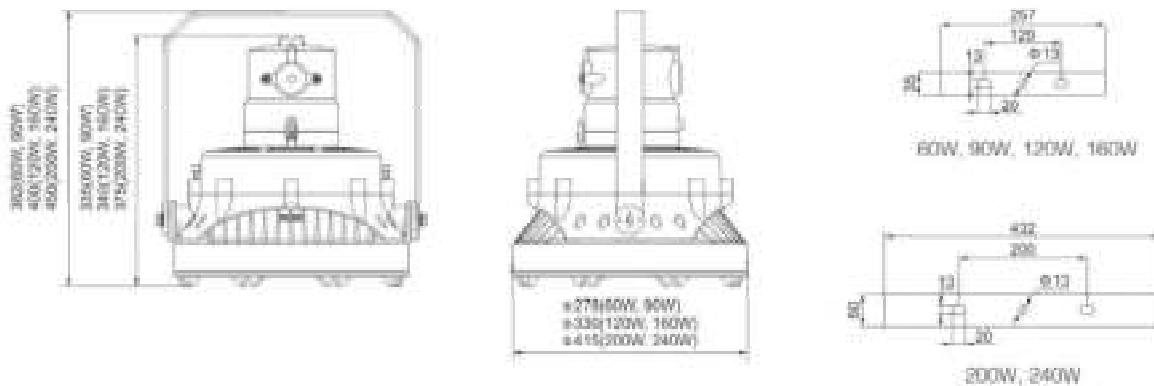
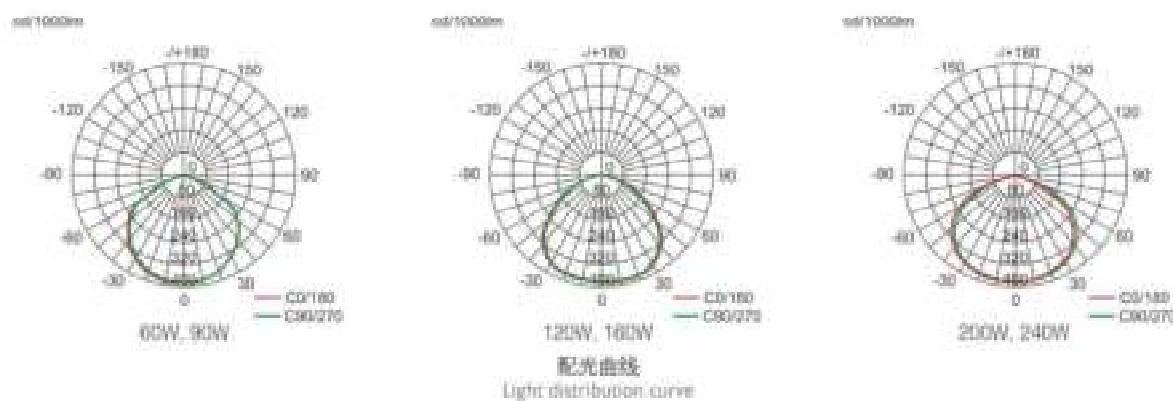
防爆标志选配表 Ex-Mark Selection table

额定功率(W) Rated power	温度组别 Temperature classification			
	-40°C < Ta < +40°C		-40°C < Ta < +55°C	
	气体 Gas	粉尘 Dust	气体 Gas	粉尘 Dust
60	71°C (T6)	71°C	80°C (T5)	86°C
90	82°C (T5)	82°C	97°C (T4)	97°C
120	76°C (T6)	76°C	91°C (T5)	91°C
160	93°C (T4)	93°C	108°C (T4)	108°C
200	81°C (T5)	81°C	96°C (T4)	96°C
240	99°C (T4)	99°C	114°C (T4)	114°C

技术参数 Technical parameters

执行标准 Conformity to standards	IEC60079, EN60079, CCS入级规范 (CCS standard)
环境温度 Ambient temperature	-40°C~+55°C
光源类型 Light source	LED
色温 Color temperature	5700K ±250K
防护等级 Degree of protection	IP66
防腐等级 Corrosion-proof	WF2
电缆引入口 Cable entry	2 × M25 × 1.5插头(铝合金), 推荐配2 × M25 × 1.5法兰(黄铜镀镍)DQM-III Exd, 适用于Φ12.5~Φ20.5mm电缆 2×M25×1.5 plug (Aluminum alloy), 2×M25×1.5 gland (Nickel plated brass) DQM-III Exd is recommended, suitable for Φ12.5~Φ20.5mm cable
接线端子 Terminal	3 × 1.5~4mm ²

外形尺寸 Outline dimension





HRT91 防爆高效节能LED投光灯

HRT91 Explosion-proof High Efficiency Energy-saving LED Spotlight Fitting



应用场景 Application

- 广泛应用于海洋工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域作远距离投光照明之用；
- 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- 适用于爆炸性危险环境1区、2区、21区、22区等场所。
- Widely used for floodlight illumination on various marine platforms, chemical tankers, LNG ships and hazardous cargo wharfs, etc...
- Can reliably work in severe environment exposed in moisture, vibration or corrosion.
- Explosive hazardous atmosphere Zone 1, Zone 2, Zone 21, Zone 22...



灯体 Housing

- 优质海工铝合金，表面喷塑
- High quality maritime aluminum alloy, powder coated surface

透明罩 Transparent cover

- 钢化玻璃，抗AJ冲击
- Toughened glass, stand 40 impact

电气 Electric

- 恒流恒压驱动电源，宽电压输入
- Constant current constant voltage drive power, wide voltage input.

选配表 Selection table

型号 Type	额定电压(V) Rated voltage	额定功率(W) Rated power	光通量(lm) Luminous flux	防爆标志 Ex-Mark	重量(kg) Weight
HRT91-60	220V/230V AC 50/60Hz	60W	4380	Ex d e mb IIC T5 Gb Ex ID A21 IP66 T95°C	8.5
HRT91-80		80W	5820		
HRT91-100		100W	7280		
HRT91-120		120W	11240		
HRT91-160		160W	14980		
HRT91-200		200W	19340	Ex d e mb IIC T4 Gb Ex ID A21 IP66 T130°C	10.8

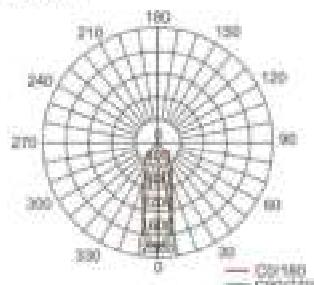
- 灯具出厂时配防爆堵头，若用户需要防爆电缆头紧密密封接头，请注明。
- The light fitting is supplied with Ex type stopping plug and Ex cable gland is on request.

技术参数 Technical parameters

执行标准 Conformity to standards	IEC60079, EN60079, GB3836, GB12476, CCS A组规范 (CCS standard)
环境温度 Ambient temperature	-40°C--55°C
光源类型 Light source	LED 模组 LED module
色温 Color temperature	5700K ±250K
显色指数 Color rendering index	Ra≥80
防护等级 Degree of protection	IP66
防腐等级 Corrosion-proof	WF2
电缆引入口 Cable entry	2 × M25 × 1.5堵头(铝合金), 推荐配2 × M25 × 1.5法兰(黄铜镀镍) DOM-I/U/I Exd, 适用于Φ12.5-Φ20.5mm电缆 2 × M25 × 1.5 plug (Aluminum alloy). 2 × M25 × 1.5 gland (Nickel plated brass) DQM-I/U/I Exd is recommended. suitable for Φ12.5-Φ20.5mm cable
接线端子 Terminal	3 × 1.5-4mm ²

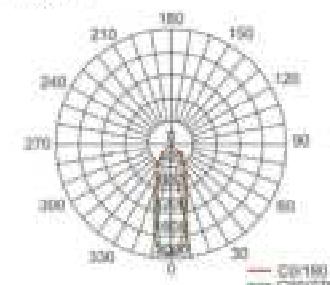
外形尺寸 Outline dimension

60W/80W

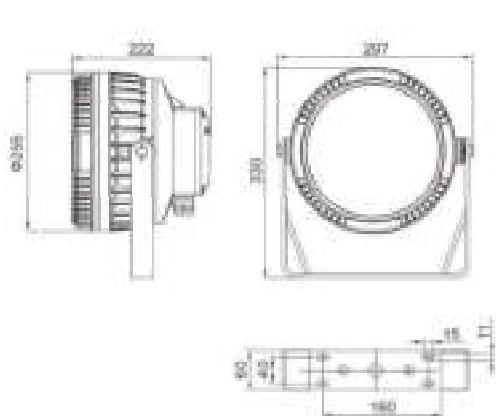


配光曲线
Light distribution curve

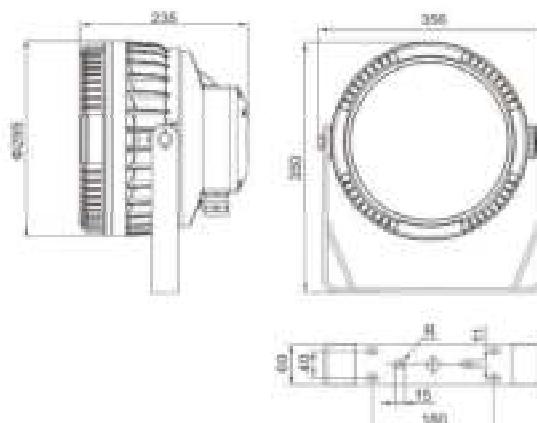
120W/160W/200W



配光曲线
Light distribution curve



60W, 80W, 100W



120W, 160W, 200W



HRT92 防爆高效节能LED泛光灯

HRT92 Explosion-proof High Efficiency Energy-saving LED Floodlight



应用场景 Application

- 广泛应用于海洋工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域作远距离泛光照明之用；
- 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- 适用于爆炸性危险环境1区、2区、21区、22区等场所。
- Widely used for floodlight illumination on various marine platforms, chemical tankers, LNG ships and hazardous cargo wharfs, etc...
- Can reliably work in severe environment exposed in moisture, vibration or corrosion.
- Explosive hazardous atmosphere Zone 1, Zone 2, Zone 21, Zone 22.



灯体 Housing

- 优质海工铝合金，表面喷塑
- High quality maritime aluminum alloy, powder coated surface

透明罩 Transparent cover

- 钢化玻璃，抗AJ冲击
- Toughened glass, stand 40 impact

电气 Electric

- 恒流恒压驱动电源，宽电压输入
- Constant current constant voltage drive power, wide voltage input.

选配表 Selection table

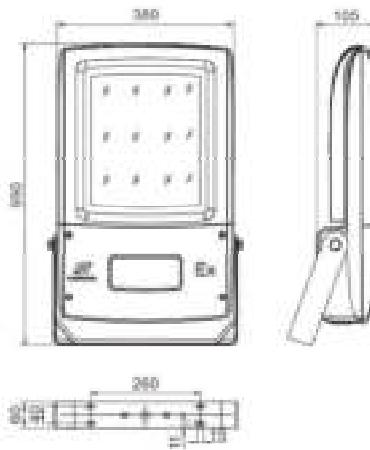
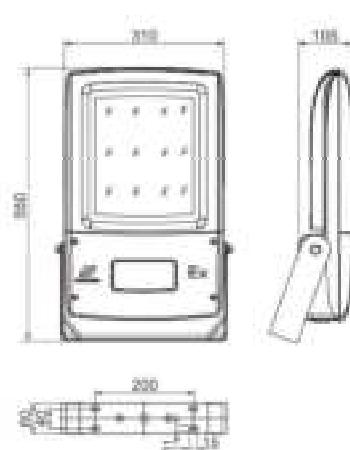
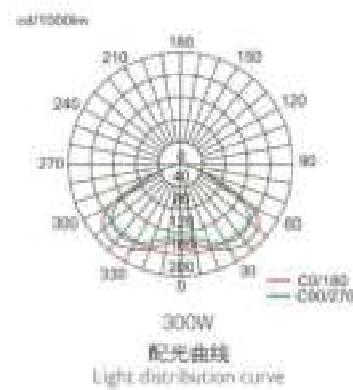
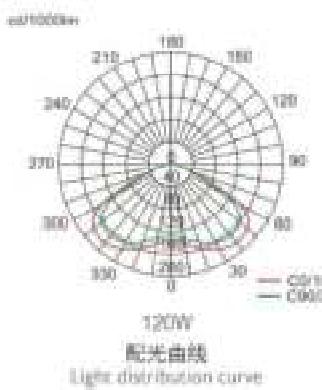
型号 Type	额定电压(V) Rated voltage	额定功率(W) Rated power	防爆标志 Ex-Mark	重量(kg) Weight
HRT92-50	220V/230V AC 50/60Hz	50W	Ex de mb IIC T6 Gb/Ex id A21 IP66 T80°C	10.4
HRT92-70		70W		
HRT92-100		100W		
HRT92-120		120W		
HRT92-160		160W		
HRT92-200		200W		
HRT92-240		240W		
HRT92-300		300W		15.5

- 灯具出厂时配防爆堵头，若用户需要防爆电缆夹紧密封接头，请注明。
- The light fitting is supplied with Ex type stopping plug and Ex cable gland is on request.

技术参数 Technical parameters

执行标准 Conformity to standards	IEC60079, EN60079, GB3836, GB12476, CCS A组规范 (CCS standard)
环境温度 Ambient temperature	-40°C--55°C
光源类型 Light source	LED 模块 LED module
色温 Color temperature	5700K ±250K
显色指数 Color rendering index	Ra=70
防护等级 Degree of protection	IP66
防腐等级 Corrosion-proof	WF2
电缆引入口 Cable entry	2 × M25 × 1.5 帽头(铝合金), 推荐配2 × M25 × 1.5 螺栓(黄铜镀镍) DGM-B/II Exd,适用于Φ12.5-Φ20.5mm电缆 2 × M25 × 1.5 plug (Aluminum alloy), 2 × M25 × 1.5 gland (nickel plated brass) DGM-B/II Exd is recommended, suitable for Φ12.5-Φ20.5mm cable
接线端子 Terminal	3 × 1.5-4mm ²

外形尺寸 Outline dimension





BAT86 防爆LED泛光灯

BAT86 Explosion-proof LED Floodlights



应用场景 Application

- 广泛应用于海洋工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域作远距离泛光照明之用；
- 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- 适用于爆炸性危险环境1区、2区、21区、22区等场所。
- Widely used for floodlight illumination on various marine platforms, chemical tankers, LNG ships and hazardous cargo wharfs, etc.
- Can reliably work in severe environment exposed in moisture, vibration or corrosion.
- Explosive hazardous atmosphere Zone 1, Zone 2, Zone 21, Zone 22.



灯体 Housing

- 优质海工铝合金，表面喷塑
- High quality maritime aluminum alloy, powder coated surface

透明罩 Transparent cover

- 钢化玻璃，抗4J冲击
- Toughened glass, stands 4J impact

电气 Electric

- 恒流恒压驱动电源，宽电压输入
- Constant current constant voltage drive power, wide voltage input

选配表 Selection table

型号 Type	额定电压(V) Rated voltage	额定功率(W) Rated power	光通量(lm) Luminous flux	防爆标志 Ex-Mark		重量(kg) Weight
				IECEx	ATEX	
BAT86-90-60G	100V~277V AC 50/60 Hz	60W	6100	Ex d II B +H, T ₆ °C Gb	② II 2 G Ex db II B +H, T ₆ °C Gb	6.7
BAT86-90-90G		90W	9200	Ex tb IIIC T ₆ °C Db	② II 2 D Ex tb IIIC T ₆ °C Db	6.7
BAT86-160-120G		120W	13780	Ex d II B T ₆ °C Gb	② II 2 G Ex d II B T ₆ °C Gb	13.0
BAT86-160-160G		160W	18560	Ex tb IIIC T ₆ °C Db	② II 2 D Ex tb IIIC T ₆ °C Db	13.0
BAT86-240-200G		200W	25220	Ex db II B +H, T ₆ °C Gb	② II 2 G Ex db II B +H, T ₆ °C Gb	28.0
BAT86-240-240G		240W	29420	Ex tb IIIC T ₆ °C Db	② II 2 D Ex tb IIIC T ₆ °C Db	28.0

* 见选配表 * See Selection Table

- 灯具出厂时配防爆堵头，若用户需要防爆电缆夹紧密封接头，请注明。
- The light fitting is supplied with Ex type stopping plug and Ex cable gland is on request.

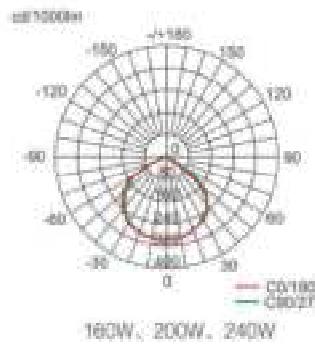
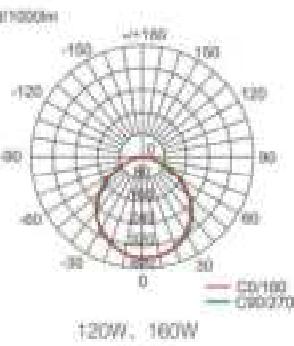
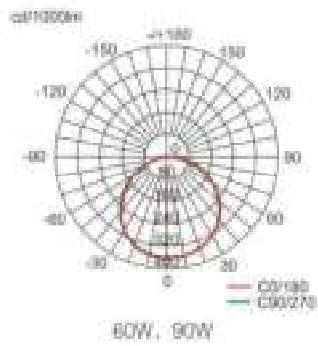
防爆标志选配表 Ex-Mark Selection table

型号 Type	温度组别 Temperature classification			
	-60°C ≤ Ta ≤ +40°C		-60°C ≤ Ta ≤ +60°C	
	气体 Gas	粉尘 Dust	气体 Gas	粉尘 Dust
BAT86-90-60G	T6	T80°C	T4	T130°C
BAT86-90-90G	T6	T80°C	T4	T130°C
BAT86-160-120G	T6	T80°C	T5	T95°C
BAT86-160-160G	T6	T80°C	T5	T95°C
BAT86-240-200G	T6	T80°C	T4	T130°C
BAT86-240-240G	T6	T80°C	T4	T130°C

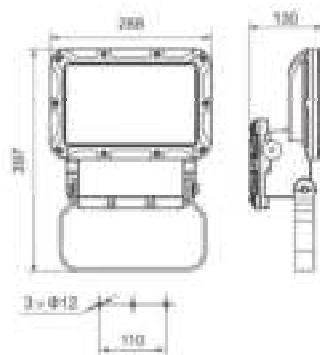
技术参数 Technical parameters

执行标准 Conformity to standards	IEC60079, EN60079, GB3836, GB12476, CCS A组规范 (CCS standard)
环境温度 Ambient temperature	-60°C~+40/90°C
光源类型 Light source	LED 模组 LED module
色温 Color temperature	5700K ±250K
显色指数 Color rendering index	Ra≥70
防护等级 Degree of protection	IP66
防腐等级 Corrosion-proof	WF2
电插引入口 Cable entry	2×M25×1.5堵头(铝合金), 推荐配2×M25×1.5法兰(黄铜镀镍) DQM-H/III Exd, 适用于Φ12.5~Φ20.5mm电缆 2×M25×1.5 plug (Aluminum alloy, 2×M25×1.5 gland (Nickel plated brass) DQM-H/III Exd is recommended, suitable for Φ12.5~Φ20.5mm cable
接线端子 Terminal	3×1.5~4mm ²

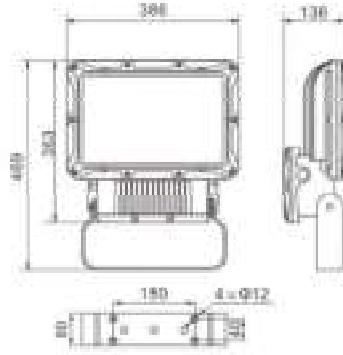
外形尺寸 Outline dimension



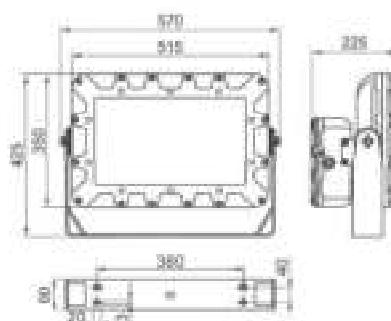
配光曲线
Light distribution curve



60~90W



120~160W



200~240W



HRT51 防爆投光灯

HRT51 Explosion-proof Spotlight Fitting



应用场景 Application

- 广泛应用于海洋工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域作远距离投光照明之用；
- 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- 适用于爆炸性危险环境1区、2区、21区、22区等场所。
- Widely used for floodlight illumination on various marine platforms, chemical tankers, LNG ships and hazardous cargo wharfs, etc...
- Can reliably work in severe environment exposed in moisture, vibration or corrosion.
- Explosive hazardous atmosphere Zone 1, Zone 2, Zone 21, Zone 22.



灯体 Housing

- 优质海工铝合金，表面喷塑
- High quality maritime aluminum alloy, powder coated surface

透明罩 Transparent cover

- 钢化玻璃，抗4J冲击
- Toughened glass, stands 4J impact

电气 Electric

- 电感镇流器
- Electromagnetic ballast

选配表 Selection table

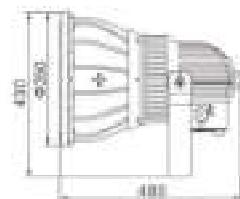
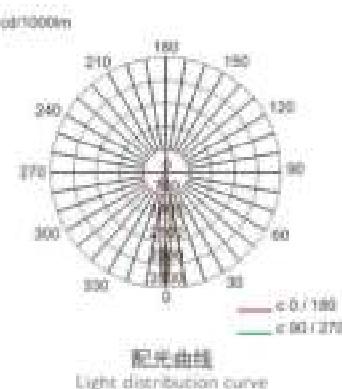
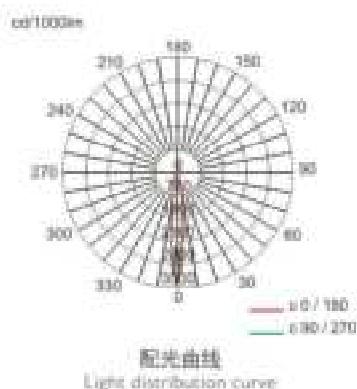
型号 Type	额定电压(V) Rated voltage	额定功率(W) Rated power	防爆标志 Ex-Mark	重量(kg) Weight
HRT51-L250	220V/230V AC	250W	Ex d IIIC T3 Gb Ex ID A21 IPE66 T195°C	20.0
HRT51-N150		150W		
HRT51-N250		250W		25.0
HRT51-L400		400W		
HRT51-N400		400W		

- 灯具出厂时配防爆堵头，若用户需要防爆电缆夹紧密封接头，请注明。
- The light fitting is supplied with Ex type stopping plug and Ex cable gland is on request.

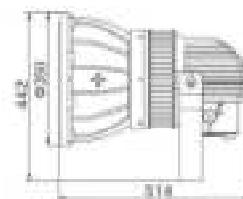
技术参数 Technical parameters

执行标准 Conformity to standards	IEC60079, EN60079, GB3836, GB12476, CCS A组规范 (CCS standard)
环境温度 Ambient temperature	-25°C~+55°C
光源类型 Light source	金卤灯(L), 高压钠灯(N) Metal halide lamp (L), High-pressure sodium lamp (N)
灯座 Lamp holder	E40
防护等级 Degree of protection	IP66
防腐等级 Corrosion-proof	WF2
电缆引入口 Cable entry	2×M25×1.5堵头(铝合金), 推荐配2×M25×1.5格兰(黄铜镀镍)DQM-II/III Exd, 适用于Φ12.5~Φ20.5mm电缆 2×M25×1.5 plug (Aluminum alloy), 2×M25×1.5 gland (Nickel plated brass) DQM-II/III Exd is recommended, suitable for Φ12.5~Φ20.5mm cable
接线端子 Terminal	3×1.5~4mm ²

外形尺寸 Outline dimension



HRT51-L250



HRT51-L400



HRT53 防爆泛光灯

HRT53 Explosion-proof Floodlight



应用场景 Application

- 广泛应用于海洋工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域作远距离泛光照明之用；
- 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- 适用于爆炸性危险环境1区、2区、21区、22区等场所。
- Widely used for floodlight illumination on various marine platforms, chemical tankers, LNG ships and hazardous cargo wharfs, etc...
- Can reliably work in severe environment exposed in moisture, vibration or corrosion.
- Explosive hazard atmosphere Zone 1, Zone 2, Zone 21, Zone 22...



灯体 Housing

- 优质海工铝合金，表面喷塑
- High quality marine aluminum alloy, powder coated surface

透明罩 Transparent cover

- 钢化玻璃，抗4.0冲击
- Toughened glass, stands 4J impact

电气 Electric

- 电感镇流器
- Electromagnetic ballast

选配表 Selection table

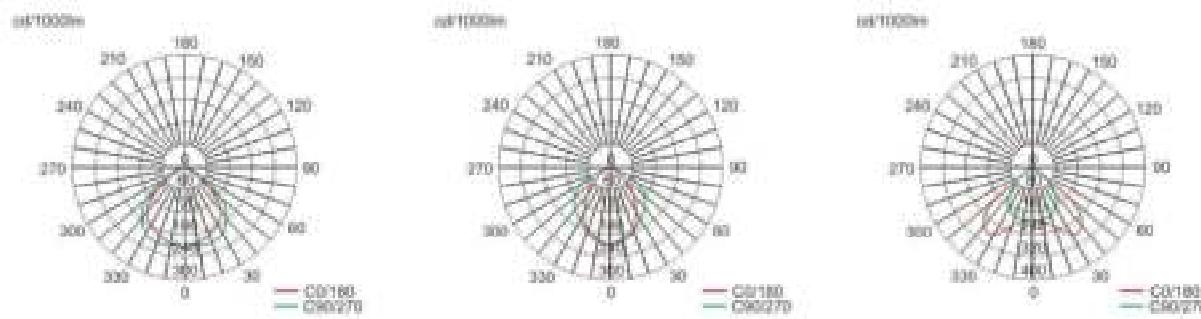
型号 Type	额定电压(V) Rated voltage	额定功率(W) Rated power	灯座 Lamp holder	防爆标志 Ex-Mark	重量(kg) Weight
HRT53-L70	220V/230V AC	70W	E27	Ex d e IIC T4 Gb	7.1
HRT53-N70		70W		Ex tD A21 IP66 T130°C	7.1
HRT53-L100		100W		Ex d e IIC T3 Gb	7.1
HRT53-L150		150W		Ex tD A21 IP66 T105°C	7.1
HRT53-N100		100W		Ex d e IIC T4 Gb / Ex tD A21 IP66 T130°C	14.3
HRT53-N150		150W			14.3
HRT53-L250		250W	E40	Ex d e IIC T3 Gb	14.3
HRT53-N250		250W		Ex tD A21 IP66 T105°C	21.1
HRT53-L400		400W			24.1
HRT53-N400		400W			

- 本灯具出厂时不配光源，由用户自配，建议配置飞利浦、欧司朗、亚明品牌，金卤灯需配置双极光源。
- 灯具出厂时配防爆堵头，若用户需要防爆电缆夹紧密封插头，请注明。
- The light source will be supplied by user. Philips, Osram, Yamin brand are recommended, metal halide lamp should be provided in compliance with European standard.
- The light fitting is supplied with Ex type stopping plug and Ex cable gland is on request.

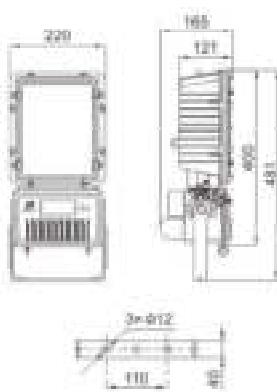
技术参数 Technical parameters

执行标准 Conformity to standards	IEC60079, EN60079, GB3836, GB12476, CCS A组规范 (CCS standard)
环境温度 Ambient temperature	-25°C~+55°C
光源类型 Light source	金卤灯(L), 高压钠灯(N) Metal halide lamp (L), High-pressure sodium lamp (N)
防护等级 Degree of protection	IP66
防腐等级 Corrosion-proof	WF2
电缆引入口 Cable entry	2 x M25 x 1.5堵头(铝合金), 推荐配2 x M25 x 1.5格兰(黄铜镀镍)DQM-II/III Exd, 适用于Φ12.5~Φ20.5mm电缆 2 x M25 x 1.5 plug (Aluminum alloy), 2 x M25 x 1.5 gland (Nickel plated brass) DQM-II/III Exd is recommended. suitable for Φ12.5~Φ20.5mm cable
接线端子 Terminal	3 x 1.5~4mm ²

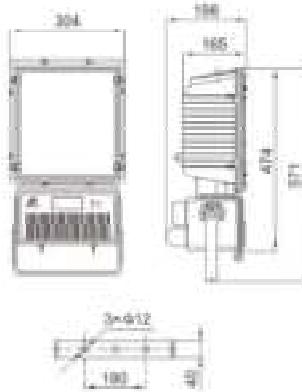
外形尺寸 Outline dimension



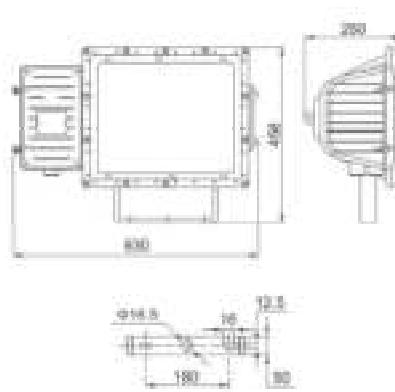
配光曲线
Light distribution curve



HRT53-L150



HRT53-L250



HRT53-L400



HRT82 防爆泛光灯

HRT82 Explosion-proof Floodlight



应用场景 Application

- 广泛应用于海洋工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域作远距离泛光照明之用；
- 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- 适用于爆炸性危险环境1区、2区、21区、22区等场所。
- Widely used for floodlight illumination on various marine platforms, chemical tankers, LNG ships and hazardous cargo wharfs, etc...
- Can reliably work in severe environment exposed in moisture, vibration or corrosion.
- Explosive hazardous atmosphere Zone 1, Zone 2, Zone 21, Zone 22...



灯体 Housing

- 优质海工铝合金，表面喷塑
- High quality maritime aluminum alloy, powder coated surface

透明罩 Transparent cover

- 钢化玻璃，抗4.0冲击
- Toughened glass, stands 4J impact

电气 Electric

- 电感镇流器
- Electromagnetic ballast

选配表 Selection table

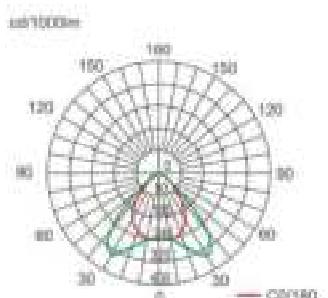
型号 Type	额定电压(V) Rated voltage	额定功率(W) Rated power	防爆标志 Ex-Marks	重量(kg) Weight
HRT82-L 250	220V/230V AC	250W	Ex d IIC T3 Gb Ex d A21 IP66-T195°C	28.5
HRT82-N 150		150W		28.5
HRT82-N 250		250W		28.5
HRT82-L 400		400W		29.0
HRT82-L 1000		1000W		58.0
HRT82-N 400		400W		29.0
HRT82-N 1000		1000W		58.0

- 本灯具出厂时不配光源，由用户自配，建议配置飞利浦、欧司朗、亚明品牌，金卤灯250W、400W需配置欧标光源；
- 1000W灯具出厂时均配防爆镇流器和光源；
- 灯具出厂时配防爆堵头，若用户需要防爆电缆夹紧密封接头，请注明。
- The light source will be supplied by user. Philips, Osram, Yamin brands are recommended. 250W or 400W metal halide lamp should be provided in compliance with European standard.
- 1000W light fittings are supplied with Ex ballast and light source.
- The light fitting is supplied with Ex type stopping plug and Ex cable gland is on request.

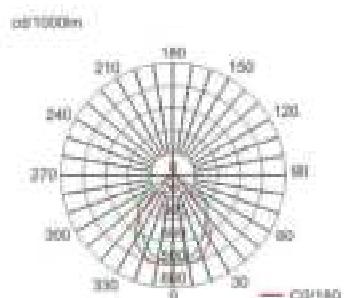
技术参数 Technical parameters

执行标准 Conformity to standards	IEC60079, EN60079, GB3836, GB12476, CCS A组规范 (CCS standard)
环境温度 Ambient temperature	-25°C~+55°C
光源类型 Light source	金卤灯(L), 高压钠灯(N) Metal halide lamp (L), High-pressure sodium lamp (N)
灯座 Lamp holder	E40
防护等级 Degree of protection	IP66
防腐等级 Corrosion-proof	WF2
电缆引入口 Cable entry	2×M25×1.5堵头(铝合金), 推荐配2×M25×1.5格兰(黄铜镀镍)DQM-II/III Exd, 适用于Φ12.5~Φ20.5mm电缆 2×M25×1.5 plug (aluminum alloy). 2×M25×1.5 gland (Nickel plated brass) DQM-II/III Exd is recommended, suitable for Φ12.5~Φ20.5mm cable
接线端子 Terminal	3×1.5~4mm ²

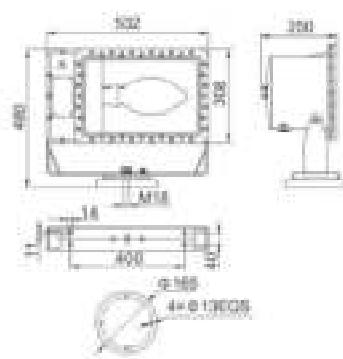
外形尺寸 Outline dimension



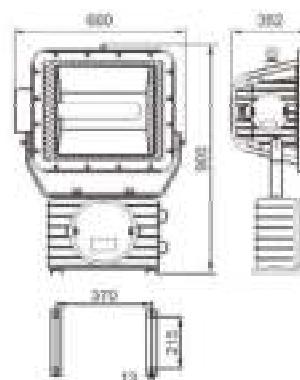
配光曲线
Light distribution curve



配光曲线
Light distribution curve



HRT82-L400



HRT82-L1000



BDD81 防爆灯

BDD81 Explosion-proof Lighting



应用场景 Application

- 广泛应用于海洋工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域检修照明之用；
- 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- 适用于爆炸性危险环境1区、2区、21区、22区等场所。
- Widely used for overhaul the illumination on various marine platforms, chemical tankers, LNG ship and hazardous cargo wharfs, etc...
- Can reliably work in severe environment exposed in moisture, vibration or corrosion.
- Explosive hazardous atmosphere Zone 1, Zone 2, Zone 21, Zone 22..



H: 手提式 Portable type



X: 吸顶式 Ceiling type

灯体 Housing

- 优质海工铝合金，表面喷塑
- High quality marine aluminum alloy, powder coated surface

透明罩 Transparent cover

- 钢化玻璃
- Toughened glass

保护网 Protection net

- 不锈钢
- Stainless steel

挂钩 Hook

- 不锈钢
- Stainless steel

选配表 Selection table

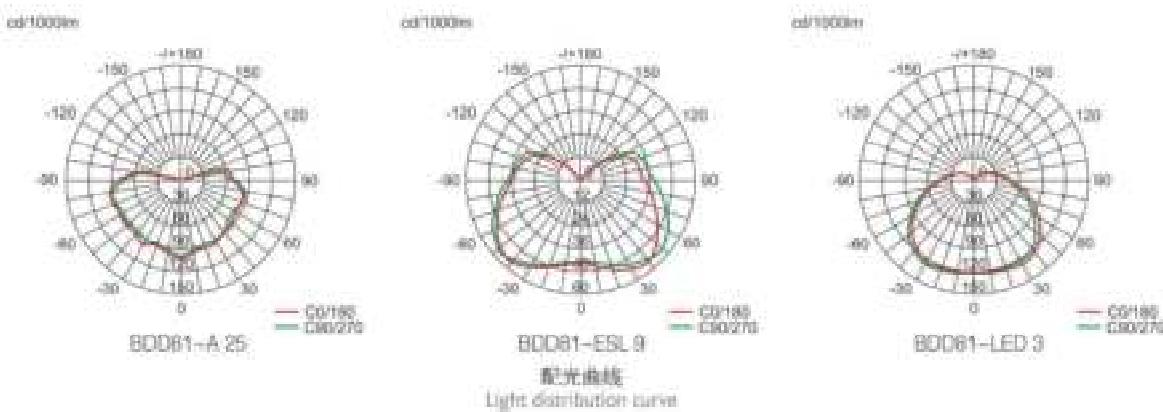
型号 Type	额定电压(V) Rated voltage	光源类型 Lamp source	额定功率(W) Rated power	光通量(m) Luminous flux	防爆标志 Ex-Mark	
					IECEx	ATEX
BDD81-A25	220V/230V AC 50/60Hz	白炽灯 Incandescent lamp	25W	201	Ex d IIC T4 Gb	Ex II 2 G Ex d IIC T4 Gb Ex II 2 D Ex e IIC T130°C Db IP66
BDD81-A40			40W	318		
BDD81-A60			60W	500		
BDD81-A100			100W	1025		
BDD81-ESL 9	220V/230V AC 50/60Hz	节能灯 Energy-saving lamp	9W	400		
BDD81-ESL 11			11W	570		
BDD81-LED 3		LED	3W	256		
BDD81-LED 5			5W	425		
BDD81-LED 8			8W	680		

- 本产品有手提式(H)、吸顶式(X)可供选择。
- 灯具出厂时配防爆堵头，若用户需要防爆电缆夹紧密封接头，请注明。
- This product is portable type H and ceiling type X is on request.
- The light fitting is supplied with Ex type stopping plug and Ex cable gland is on request.

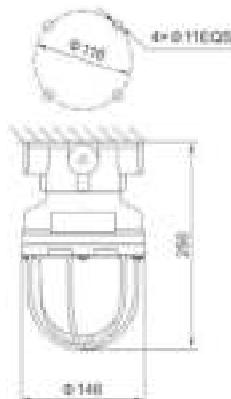
技术参数 Technical parameters

执行标准 Conformity to standards	IEC60079, EN60079, CCS入级规范 (CCS standard)
环境温度 Ambient temperature	-40°C~+55°C
灯座 Lamp holder	E27
防护等级 Degree of protection	IP66, IP67 (可选 Optional)
防腐等级 Corrosion-proof	WF2
电缆引入口 Cable entry	4 x M25 x 1.5堵头(铝合金), 推荐配2 x M25 x 1.5格兰(黄铜镀镍)DGM-II/III Exp. 适用于Φ12.5-Φ20.5mm电缆 4xM25x1.5 plug (Aluminum alloy), 2xM25x1.5 gland (Nickel plated brass) DGM-II/III Exp is recommended. suitable for Φ12.5-Φ20.5mm cable
接线端子 Terminal	3x1.5~4mm ² (L+N+PE)
重量 Weight	2.7kg (手提式 Portable type), 2.5kg (吸顶式 Ceiling type)

外形尺寸 Outline dimension



H: 手提式 Portable type



X: 吸顶式 Ceiling type



BSX 防爆行灯

BSX Explosion-proof Hand Lamp



应用场景 Application

- 广泛应用于海洋工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域工作检查照明之用；
- 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- 适用于爆炸性危险环境1区、2区等场所。
- Widely used for overhaul the illumination on various marine platforms, chemical tankers, LNG ships and hazardous cargo wharfs, etc.
- Can reliably work in severe environment exposed in moisture, vibration or corrosion.
- Explosive hazardous atmosphere Zone 1, Zone 2.



灯体 Housing

- 优质海工铝合金，表面喷塑
- 手柄为工程塑料材质
- High quality marine aluminum alloy, powder coated surface
- Handle is made of engineering plastic.

透明罩 Transparent cover

- 钢化玻璃
- Toughened glass

保护网 Protection net

- 不锈钢
- Stainless steel

可选配件 Options

- 可根据用户需求加装移动式变压器或防爆移动配电盘，需要请注明。
- Mobile transformer or explosion-proof mobile distribution panel can be installed according to user's requirements.

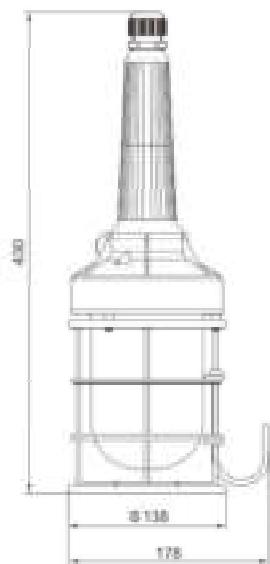
选配表 Selection table

型号 Type	额定电压(V) Rated voltage	额定功率(W) Rated power	光源类型 Lamp source	防爆标志 Ex-Mark	重量(kg) Weight	
BSX-40	220V/230V AC 50/60Hz	40W	白炽灯 Incandescent lamp	Ex d e IIC T4 Gb	2.5	
BSX-60		60W			2.5	
BSX-100		100W			2.5	
BSX-15		≤15W	节能灯 Energy saving lamp		2.5	
BSX-3		3W	LED		2.5	
BSX-5		5W			2.5	
BSX-8		8W			2.5	

技术参数 Technical parameters

执行标准 Conformity to standards	IEC60079, EN60079, GB3836, CCS入级规范 (CCS standard)
环境温度 Ambient temperature	-25°C--+55°C
灯座 Lamp holder	E27
防护等级 Degree of protection	IP66
防腐等级 Corrosion-proof	WF2
电缆引入口 Cable entry	M25 x 1.5格兰(塑料) Exe, 适用于Φ9-Φ16mm电缆 M25x1.5 gland (Plastic) Exe, suitable for Φ9-Φ16mm cable
接线端子 Terminal	3×1.5-2.5mm ²

外形尺寸 Outline dimension





dF1 防爆舱顶灯

dF1 Explosion-proof Pendant Light



应用场景 Application

- 广泛应用于海洋工程各类作业平台、各类化学品、天然气运输船、危货品码头等危险区域作业照明之用；
- 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- 适用于爆炸性危险环境1区、2区等场所。
- Widely used for the illumination on various marine platforms, chemical tankers, LNG ships and hazardous cargo wharfs, etc.
- Can reliably work in severe environment exposed to moisture, vibration or corrosion.
- Explosive hazardous atmosphere Zone 1, Zone 2.



灯体 Housing

- 不锈钢，表面喷塑
- Stainless steel, powder coated surface

透明罩 Transparent cover

- 钢化玻璃
- Toughened glass

保护网 Protection net

- 不锈钢，表面喷塑
- Stainless steel, powder coated surface

选配表 Selection table

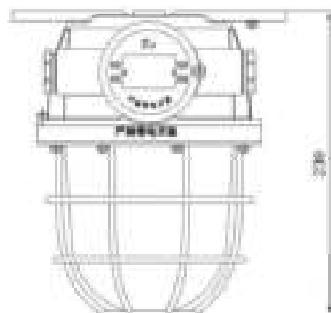
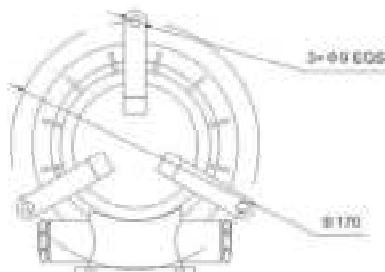
型号 Type	额定电压(V) Rated voltage	额定功率(W) Rated power	光源类型 Lamp source	防爆标志 Ex-Proof	重量(kg) Weight	
dF1-25	220V/230V AC 50/60Hz	25W	白炽灯 Incandescent lamp	Ex d IIC T4 Gb	5.9	
dF1-60		60W				
dF1-100		100W				
dF1-J9		9W	节能灯 Energy saving lamp	Ex d IIC T6 Gb		
dF1-J11		11W				
dF1-LED 3		3W	LED			
dF1-LED 5		5W				

- 灯具出厂时不配电缆头及密封接头，由用户自配。如有要求，请注明。
- 灯具出厂时不配光源，若用户需要，请注明。
- The light fitting is supplied without cable gland and could be supplied on request.
- On delivery light fitting is not equipped with light source. Please specify if needed.

技术参数 Technical parameters

执行标准 Conformity to standards	IEC60079, EN60079, GB3836, CCS入级规范 (CCS standard)
环境温度 Ambient temperature	-25°C~+50°C
灯座 Lamp holder	E27
防护等级 Degree of protection	IP56
防腐等级 Corrosion-proof	WF2
电缆引入口 Cable entry	2 x G3/4" 直紧螺，推荐配DQM-NIII G3/4" 格兰(黄铜镀镍)， 适用于Φ12.5~Φ20.5mm电缆 2 x G3/4" gland nut, DQM-NIII G3/4" gland (Nickel plated brass) is recommended, suitable for Φ12.5~Φ20.5mm cable
接线端子 Terminal	3 x 1.5~2.5mm ²

外形尺寸 Outline dimension





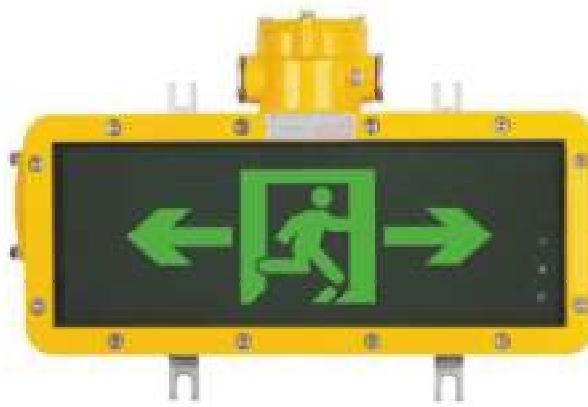
HR-BLZD- I 1LROE4W-BAYD85 防爆标志灯

HR-BLZD- I 1LROE4W-BAYD85 Explosion-proof Sign Light



应用场景 Application

- 广泛应用于海洋工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域作安全出口指示、疏散指示之用；
- 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- 适用于爆炸性危险环境1区、2区、21区、22区等场所。
- Widely used for safety exit indication and evacuation marking on various offshore platforms, chemical tankers, LNG ships and hazardous cargo wharfs, etc.
- Can reliably work in severe environment exposed in moisture, vibration or corrosion.
- Explosive hazardous atmosphere Zone 1, Zone 2, Zone 21, Zone 22.



灯体 Housing

- 优质海工铝合金，表面喷塑
- High quality maritime aluminum alloy, powder coated surface

电气 Electric

- 内置应急控制器及电池组
- In-built emergency controller and battery pack

透明罩 Transparent cover

- 钢化玻璃
- Toughened glass

安装方式 Mounting type

- B: 壁式 Wall type
- X: 吊顶式 Ceiling type

指示牌代号 A~F型 Sign code: A~F



A型 Type A



B型 Type B



C型 Type C



D型 Type D



E型 Type E



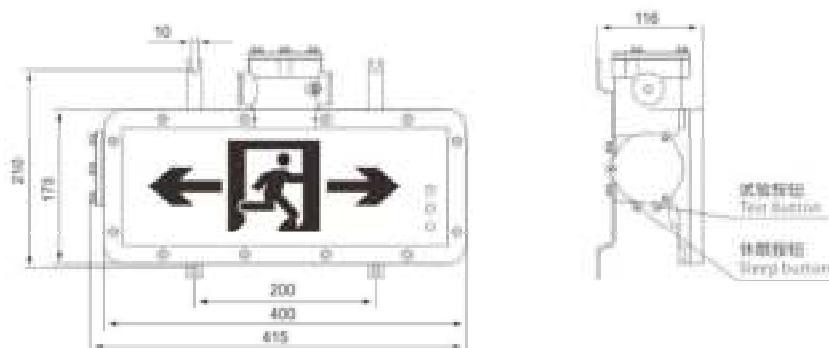
F型 Type F

- 请根据安装方式和指示牌代号进行选型，例如需要壁式安装，A型指示牌，则型号为：HR-BLZD- I 1LROE4W-BAYD85-BA。
- Please follow the mounting type and indication board code for selection, for example, if wall type and A type indication board is required, then the model is HR-BLZD- I 1LROE4W-BAYD85-BA.

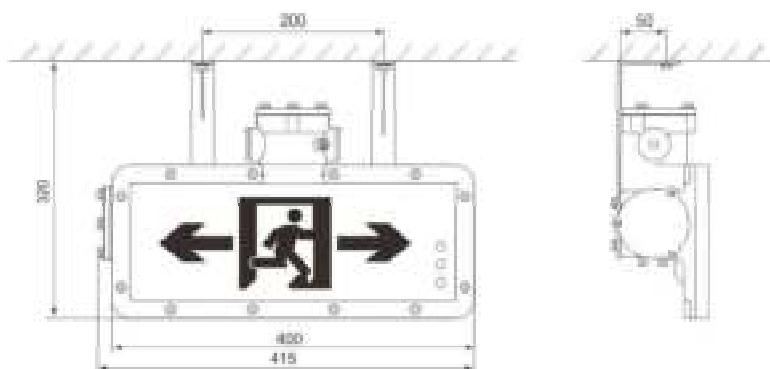
技术参数 Technical parameters

执行标准 Conformity to standards	IEC60079, EN60079, GB3836, GB12476, GB17945, CCSA人机界面 (CCS standard)
防爆标志 Ex-Mark	Ex d II C T6 Gb/Ex tD A21 IP66 T80°C
额定电压 Rated voltage	220V/230V AC 50/60Hz
环境温度 Ambient temperature	-40°C~+55°C
额定功率 Rated power	<4W
应急时间 Emergency time	>120min (特殊要求请注明 For any special request, please specify)
充电时间 Charging time	24h
光源类型 Lamp source	LED 模组 LED module
防护等级 Degree of protection	IP66
防腐等级 Corrosion-proof	WF2
电缆引入口 Cable entry	2x M25 x 1.5堵头(铝合金), 推荐配2x M25 x 1.5堵头(黄铜镀镍)DOM-DIII Exd, 适用于Φ12.5~Φ20.5mm电缆 2xM25x1.5 plug (Aluminum alloy). 2xM25x1.5 gland (Nickel plated brass) DOM-DIII Exd is recommended, suitable for Φ12.5~Φ20.5mm cable
灯具重量 Light weight	5.5kg

外形尺寸 Outline dimension



B: 壁式 Wall type



X: 吸顶式 Ceiling type



HR-BLZD- I 1LROE4W-BAYD82 防爆标志灯

HR-BLZD- I 1LROE4W-BAYD82 Explosion-proof Sign Light



ABS

Ex

应用场景 Application

- 广泛应用于海洋工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域作安全出口指示、疏散指示之用；
- 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- 适用于爆炸性危险环境1区、2区、21区、22区等场所。
- Widely used for safety exit indication and evacuation marking on various offshore platforms, chemical tankers, LNG ships and hazardous cargo wharfs, etc.
- Can reliably work in severe environment exposed in moisture, vibration or corrosion.
- Explosive hazard atmosphere Zone 1, Zone 2, Zone 21, Zone 22.



灯体 Housing

- 优质海工铝合金，表面喷塑
- High quality maritime aluminum alloy, powder coated surface

电气 Electric

- 内置应急控制装置及电池组
- In-built emergency controller and battery pack

透明罩 Transparent cover

- 钢化玻璃
- Toughened glass

安装方式 Mounting type

- B: 壁式 Wall type
- X: 吊顶式 Ceiling type

指示牌代号 A~F型 Sign code: A~F



A型 Type A



B型 Type B



C型 Type C



D型 Type D



E型 Type E



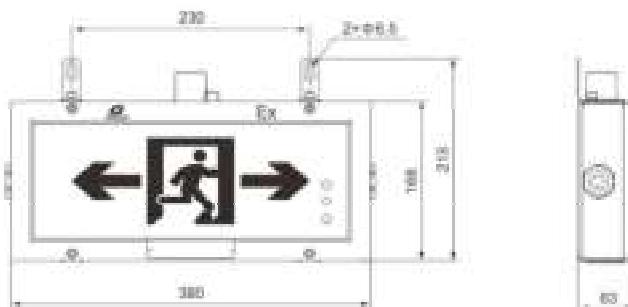
F型 Type F

- 请根据安装方式和指示牌代号进行选型，例如需要壁式安装，A型指示牌，则型号为：HR-BLZD- I 1LROE4W-BAYD82-BA。
- Please follow the mounting type and indication board code for selection, for example, if wall type and A type indication board is required, then the model is HR-BLZD- I 1LROE4W-BAYD82-BA.

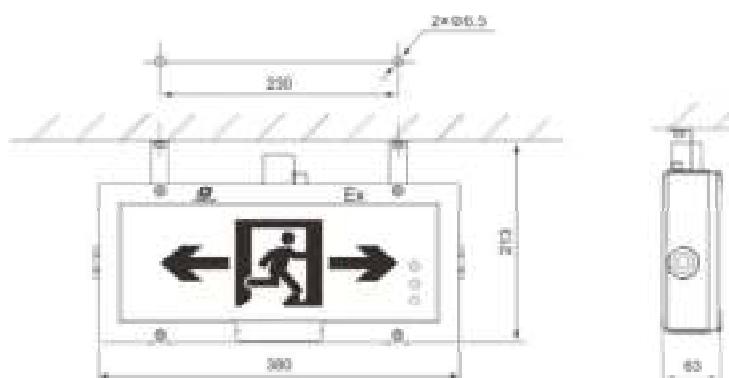
技术参数 Technical parameters

执行标准 Conformity to standards	IEC60079, EN60079, GB3836, GB12476, GB17945, CCSA防爆证 (CCS standard)
防爆标志 Ex-Mark	Ex e I b q II C T6 Gb/Ex ibD IIC A21 IP66 T80°C
额定电压 Rated voltage	220V/230V AC 50/60Hz
环境温度 Ambient temperature	-40°C~+55°C
额定功率 Rated power	<4W
应急时间 Emergency time	>120min (特殊要求请注明 For any special request, please specify)
充电时间 Charging time	24h
光源类型 Lamp source	LED 模组 LED module
防护等级 Degree of protection	IP66
防腐等级 Corrosion-proof	WF2
电缆引入口 Cable entry	2x M25 x 1.5堵头(铝合金), 推荐配2x M25 x 1.5堵头(黄铜镀镍)DOM-0/I/II Exe, 适用于Φ12.5~Φ20.5mm电缆 2x M25x1.5 plug (Aluminum alloy), 2x M25x1.5 gland (Nickel plated brass) DOM-0/I/II Exe is recommended, suitable for Φ12.5~Φ20.5mm cable
灯具重量 Light weight	3.8kg

外形尺寸 Outline dimension



B: 壁式 Wall type



X: 吸顶式 Ceiling type



HR-ZFZD-E6W-BAJ52-6B 防爆应急灯

HR-ZFZD-E6W-BAJ52-6B Explosion-proof Emergency Light



应用场景 Application

- 广泛应用于海洋工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域作停电时的应急照明之用；
- 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- 适用于爆炸性危险环境1区、2区、21区、22区等场所。
- Widely used for emergency lighting on various marine platforms, chemical tankers, LNG ships and hazardous cargo wharfs, etc.
- Can reliably work in severe environment exposed in moisture, vibration or corrosion.
- Explosive hazardous atmosphere Zone 1, Zone 2, Zone 21, Zone 22.



灯体 Housing

- 优质海工铝合金，表面喷塑
- High quality maritime aluminum alloy, powder coated surface

电气 Electric

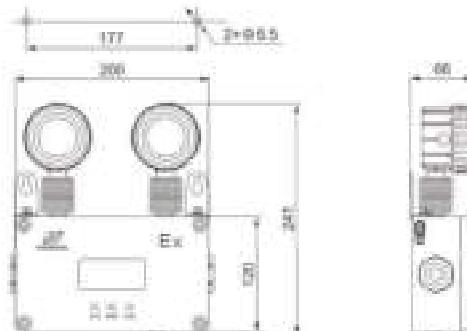
- 内置应急控制设备及电池组
- In-built emergency controller and battery pack

透明罩 Transparent cover

- PC材质
- PC material

安装支架 Mounting frame

- 不锈钢
- Stainless steel



技术参数 Technical parameters

执行标准 Conformity to standards	IEC60079, EN60079, GB3836, GB12476, GB17945, CCSA爆规函 (CCS standard)
防爆标志 Ex-Mark	Ex d Iib q II C T6 Ga / Ex ibD IIC A21 IP66 T80°C
额定电压 Rated voltage	220V/230V AC 50/60Hz
环境温度 Ambient temperature	-40°C ~ +55°C
额定功率 Rated power	3W x 2
应急时间 Emergency time	≥ 120min (特殊要求请注明 For any special request, please specify)
充电时间 Charging time	24h
光源类型 Lamp source	LED 模组 LED module
防护等级 Degree of protection	IP66
防腐等级 Corrosion-proof	WF2
电源引入口 Cable entry	2 x M25 x 1.5堵头(铝合金), 推荐配2 x M25 x 1.5格兰(黄铜镀镍) DGM-II/III Ex,适用于Φ12.5~Φ20.5mm电缆 2xM25x1.5 plug (Aluminum alloy). 2xM25x1.5 gland (Nickel plated brass) DGM-II/III Ex is recommended. suitable for Φ12.5~Φ20.5mm cable
接线端子 Terminal	≤3×2.5mm ²
灯具重量 Light weight	2.4kg

D

投光灯、搜索灯系列

FLOODLIGHT, SEARCH LIGHT FITTINGS

series

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CTG31-LED LED投光灯

CTG31-LED LED Spot Light



应用场景 Application

- 适用于船舶、海上平台、港口、码头等露天场所投光、泛光照明。
- Suitable for spotlight and floodlight illumination in open spaces like ships, offshore platforms, ports and wharfs, etc.



灯体 Housing

- 不锈钢拉伸成型，表面喷塑
- Housing is stretching formed stainless steel, powder coated surface

透明罩 Transparent cover

- 钢化玻璃
- Toughened glass

卡扣/链条 Buckle/chain

- 不锈钢
- Stainless steel

电气 Electric

- 恒流恒压驱动电源，宽电压输入
- Constant current constant voltage drive power, wide voltage input
- 50W, 70W: 180V~265V AC 50/60Hz
- 100W: 100V~277V AC 50/60Hz

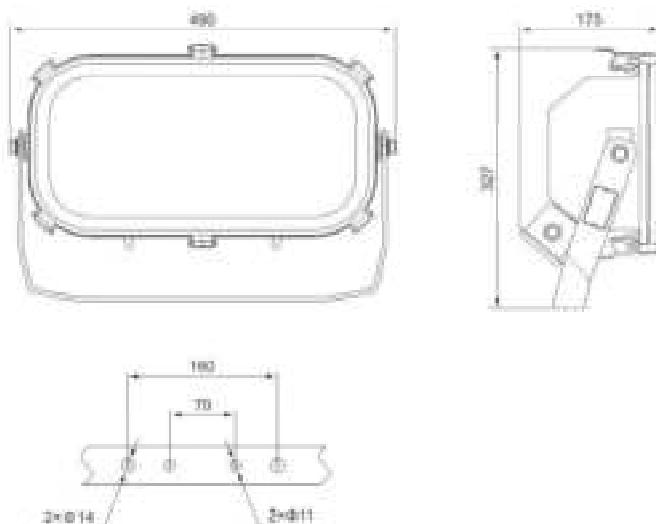
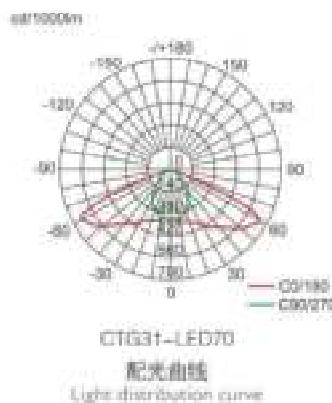
选配表 Selection table

型号 Type	额定电压(V) Rated voltage	额定功率(W) Rated power	光通量(lm) Luminous flux	重量(kg) Weight
CTG31-LED50	220V~240V AC 50/60Hz	50W	6300	8.7
CTG31-LED70		70W	9060	8.7
CTG31-LED100		100W	12300	8.7

技术参数 Technical parameters

执行标准 Conformity to standards	GB 11472, GB 7000.7, GB/T 24954, IEC 60598, COBRA版规范 (CCS standard)
环境温度 Ambient temperature	-40°C--55°C
光源类型 Light source	LED 模组 LED module
色温 Color temperature	5700K ± 250K (3000K, 4000K可选 Optional)
显色指数 Color rendering index	Ra≥70
防护等级 Degree of protection	IP66
电缆引入口 Cable entries	2 x Φ25.5孔, 配2 x FQM-IV, M25 x 1.5格兰(黄铜镀镍), 适用于Φ10-Φ18mm电缆 2 x Ø25.5 hole, with 2 x FQM-IV, M25x1.5 gland (Nickel plated brass), suitable for Ø10-Ø18mm cable
接线端子 Terminal	3 x 1.5~4mm ²

外形尺寸 Outline dimension





CTG32-LED LED投光灯

CTG32-LED LED Spot Light



应用场景 Application

- 适用于船舶、海洋平台、港口、码头等露天场所投光、泛光照明。
- Suitable for spotlight and floodlight illumination in open spaces like ships, offshore platforms, ports and wharfs, etc.



灯体 Housing

- 不锈钢拉伸成型，表面喷塑。
- Housing is stretching formed stainless steel, powder coated surface.

透明罩 Transparent cover

- 钢化玻璃。
- Toughened glass.

卡扣 Buckle

- 不锈钢。
- Stainless steel.

电气 Electric

- 恒流恒压驱动电源，宽电压输入。
- Constant current constant voltage drive power, wide voltage input.

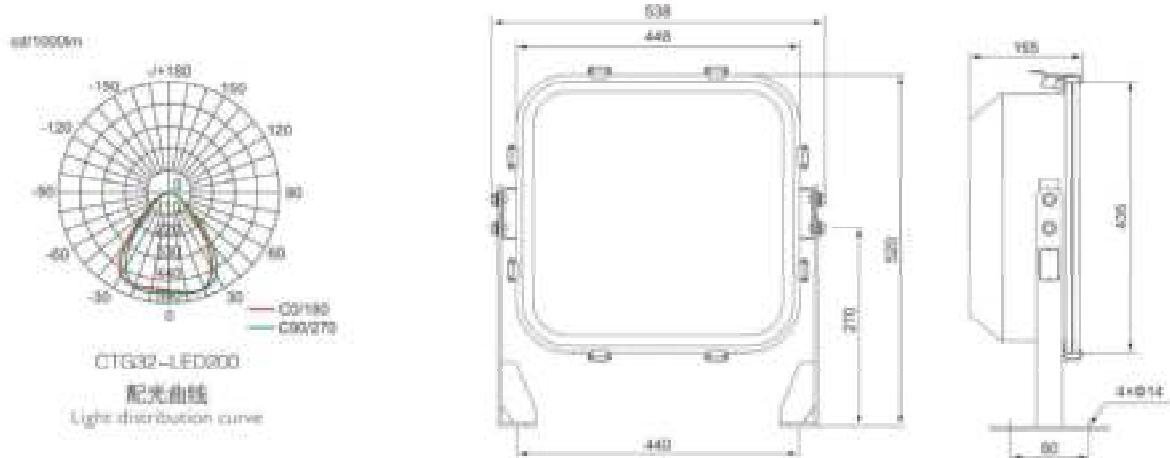
选配表 Selection table

型号 Type	额定电压(V) Rated voltage	额定功率(W) Rated power	光通量(lm) Luminous flux	重量(kg) Weight
CTG32-LED150	220V~240V AC 50/60Hz	150W	16200	18.0
CTG32-LED180		180W	19400	18.0
CTG32-LED200		200W	21600	18.0

技术参数 Technical parameters

执行标准 Conformity to standards	GB 11472, GB 7000.7, GB/T 24954, IEC 60598, COSEL 超规范 (CCS standard)
环境温度 Ambient temperature	-40°C--55°C
光源类型 Light source	LED 模组 LED module
色温 Color temperature	5700K ± 250K (3000K, 4000K 可选 Optional)
显色指数 Color rendering index	Ra≥70
防护等级 Degree of protection	IP66
电缆引入口 Cable entries	2 × Φ20.5孔, 配2×POM-IV, M20×1.5格兰(黄铜镀镍), 适用于Φ5-Φ12mm电线 2×Φ20.5 hole, with 2×POM-IV, M20×1.5 gland (Nickel plated brass), suitable for Φ5-Φ12mm cable
接线端子 Terminal	3 × 1.5~4mm ²

外形尺寸 Outline dimension





CTZ4-LED LED探照灯

CTZ4-LED LED Search Light



应用场景 Application

- 适用于船舶、港口、码头等作露天场所搜索照明。
- Suitable for search illumination in open spaces like ships, ports and wharfs, etc.



B: 手动 Hand

灯体 Housing

- 不锈钢，表面喷塑
- Stainless steel, powder coated surface

透明罩 Transparent cover

- 钢化玻璃
- Toughened glass

电气 Electric

- 恒流恒压驱动电源，宽电压输入 100V~277V AC 50/60Hz
- Constant current constant voltage driving power, wide voltage input, 100V~277V AC, 50/60Hz

卡扣 Buckle

- 不锈钢
- Stainless steel

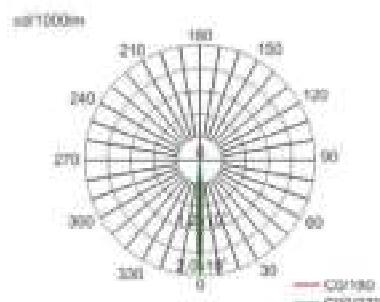
技术参数 Technical parameters

执行标准 Conformity to standard	GB 11472, GB 7000.7, GB/T 24954, IEC 60598, CCS入级规范 (CCS standard)
环境温度 Ambient temperature	-40℃~+55℃
光源类型 Light source	LED 模组 LED module
色温 Color temperature	5000K
显色指数 Color rendering index	Ra≥70
防护等级 Degree of protection	IP66
电缆引入口 Cable entry	A型：配FQM-1, M20×1.5法兰，适用于Φ6~Φ12mm电缆 Type A: With FQM-1, M20×1.5 gland, suitable for Φ6~Φ12mm cable 电动装置：适用于Φ12~Φ14mm电缆 Electric device: Suitable for Φ12~Φ14mm cable B型：配FQM-1, 2×M20×1.5法兰，适用于Φ6~Φ12mm电缆 Type B: With FQM-1, 2×M20×1.5 gland, suitable for Φ6~Φ12mm cable
接线端子 Terminal	3×1.5~4mm ²

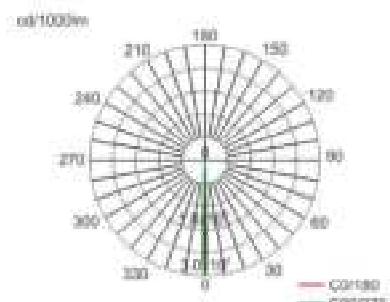
选配表 Selection table

型号 Type	额定电压(V) Rated voltage	额定功率(W) Rated power	中心光强(cd) Central light intensity	发散角 Divergence angle	重量(kg) Weight
CTZ4-LED200A	100V~277V AC 50/60Hz	200W	2×10 ⁶	3.6°	67.0
CTZ4-LED300B		200W	2×10 ⁶		40.0
CTZ4-LED300A		300W	3×10 ⁶		67.0
CTZ4-LED300B		300W	3×10 ⁶		40.0

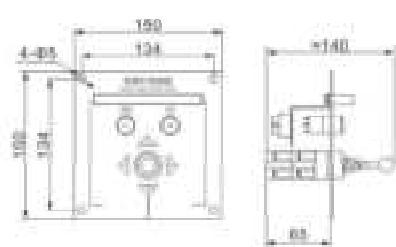
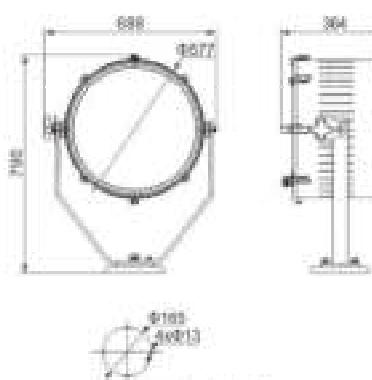
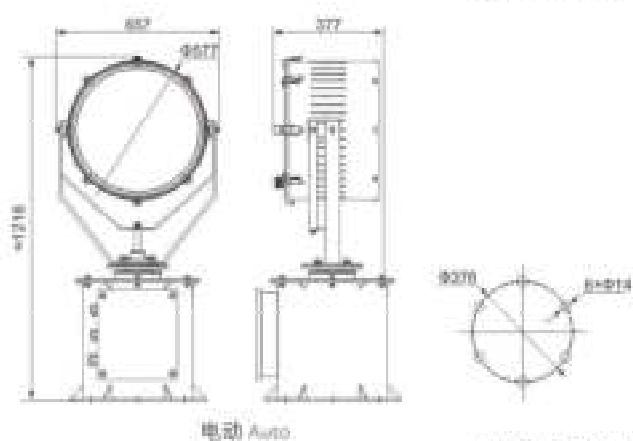
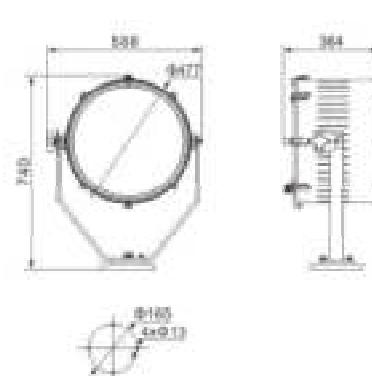
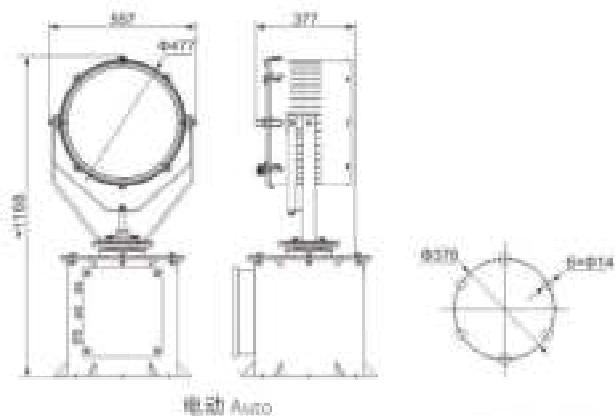
外形尺寸 Outline dimension



200W
配光曲线
Light distribution curve



300W
配光曲线
Light distribution curve



应用场景 Application

- 适用于船舶、海上平台、港口、码头等作露天场所搜索照明。
- Suitable for search illumination in open spaces like ships, offshore platforms, ports and wharfs, etc.



灯体 Housing

- 不锈钢拉伸成型，表面喷塑
- Housing is stretching formed stainless steel, powder coated surface

透明罩 Transparent cover

- 透明钢化玻璃
- Toughened glass

卡扣/链条 Buckle/chain

- 不锈钢/铜
- Stainless steel / copper

电气 Electric

- 电感镇流器
- Magnetic ballast

选配表 Selection table

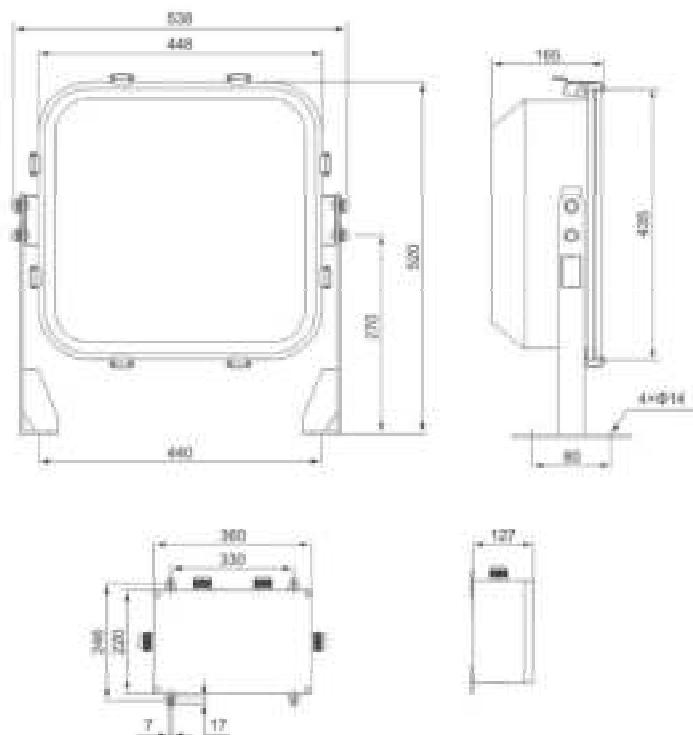
型号 Type	额定电压(V) Rated voltage	额定功率(W) Rated power	重量(kg) Weight
CTG32-N250		250W × 2	16.5
CTG32-N400	220V~340V AC 110V AC 50/60Hz	400W × 2	16.5
CTG32-L400		400W × 2	16.5

- 注：需订购外置镇流器箱(不锈钢)配套使用
- Note: it is required to order the exterior ballast box in stainless steel for the compatible use.

技术参数 Technical parameters

执行标准 Conformity to standards	GB 11472, GB 7000.7, IEC 60598, CCS人眼规范 (CCS standard)
环境温度 Ambient temperature	-25°C--55°C
光源类型 Light source	N: 高压钠灯, L: 嵌透灯 N: High pressure sodium lamp, L: Metal halide lamp
灯座 Lamp holder	E40
防护等级 Degree of protection	IP65
电缆引入口 Cable entry	2×FQM-IV, M20×1.5格兰(黄铜镀镍), 适用于Φ5-Φ12mm电缆 2×FQM-IV, M20×1.5 gland (Nickel plated brass), suitable for Φ5-Φ12mm cable
接线端子 Terminal	3×1.5~4mm ²

外形尺寸 Outline dimension



镇流器 Ballast

应用场景 Application

- 适用于船舶、海洋平台、港口、码头等作露天场所搜索照明。
- Suitable for search illumination in open spaces like ships, offshore platforms, ports and wharfs, etc.



灯体 Housing

- 不锈钢拉伸成型，表面喷塑。
- Housing is stretching formed stainless steel, powder coated surface.

透明罩 Transparent cover

- 透明钢化玻璃。
- Toughened glass.

卡扣/链条 Buckle/chain

- 不锈钢。
- Stainless steel.

电气 Electric

- 电感镇流器。
- Magnetic ballast.

选配表 Selection table

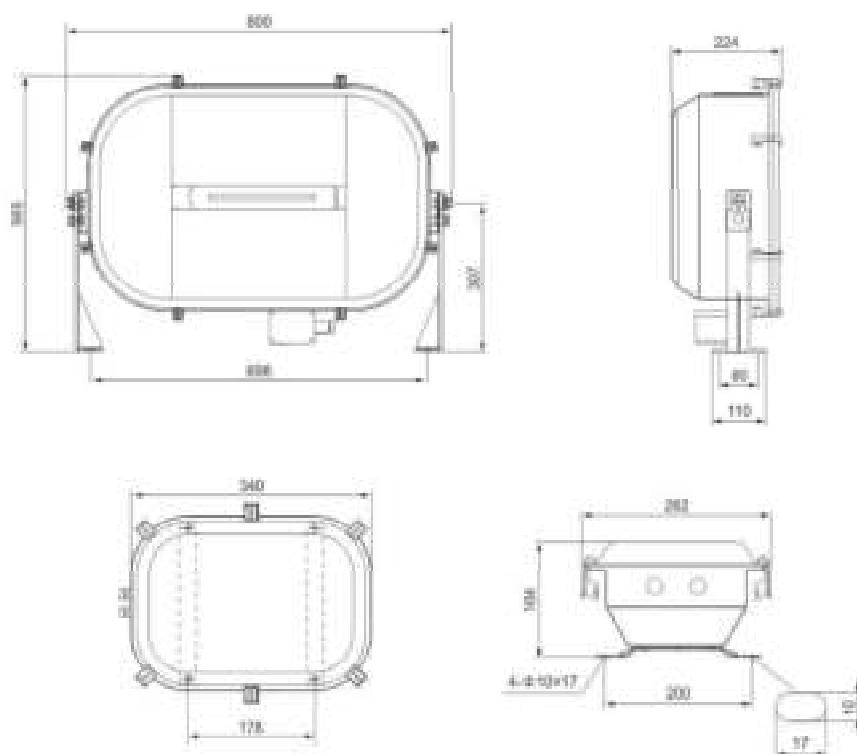
型号 Type	额定电压(V) Rated voltage	额定功率(W) Rated power	防护等级 Degree of protection	重量(kg) Weight
CTG33-N1000	220V 60Hz	1000W	IP67	19.5
CTG33-L1000	230V 50Hz	1000W		

- 注：需订购外置镇流器箱(不锈钢)配套使用。
- Note: it is required to order the exterior ballast box in stainless steel for the compatible use.

技术参数 Technical parameters

执行标准 Conformity to standards	GB 11472, GB 7000.7, IEC 60598, CCS人眼规范 (CCS standard)
环境温度 Ambient temperature	-25°C--55°C
光源类型 Light source	N: 高压钠灯, L: 嵌透灯 N: High pressure sodium lamp, L: Metal halide lamp
灯座 Lamp holder	E40
防护等级 Degree of protection	IP67
电缆引入口 Cable entry	M20 x 1.5 格兰(黄铜镀镍), 适用于Φ6-Φ15mm电缆 M20x1.5 gland(Nickel plated brass, suitable for Φ6-Φ15mm cable)
接线端子 Terminal	3 x 1.5~4mm ²

外形尺寸 Outline dimension



镇流器 Ballast



CTG31 投光灯

CTG31 Spot Light



应用场景 Application

- 适用于船舶、海洋平台、港口、码头等作露天场所搜索照明。
- Suitable for search illumination in open spaces like ships, offshore platforms, ports and wharfs, etc.



灯体 Housing

- 不锈钢拉伸成型，表面喷塑。
- Housing is stretching formed stainless steel, powder coated surface.

透明罩 Transparent cover

- 透明钢化玻璃。
- Toughened glass.

卡扣/链条 Buckle/chain

- 不锈钢。
- Stainless steel.

电气 Electric

- 电感镇流器。
- Magnetic ballast.

选配表 Selection table

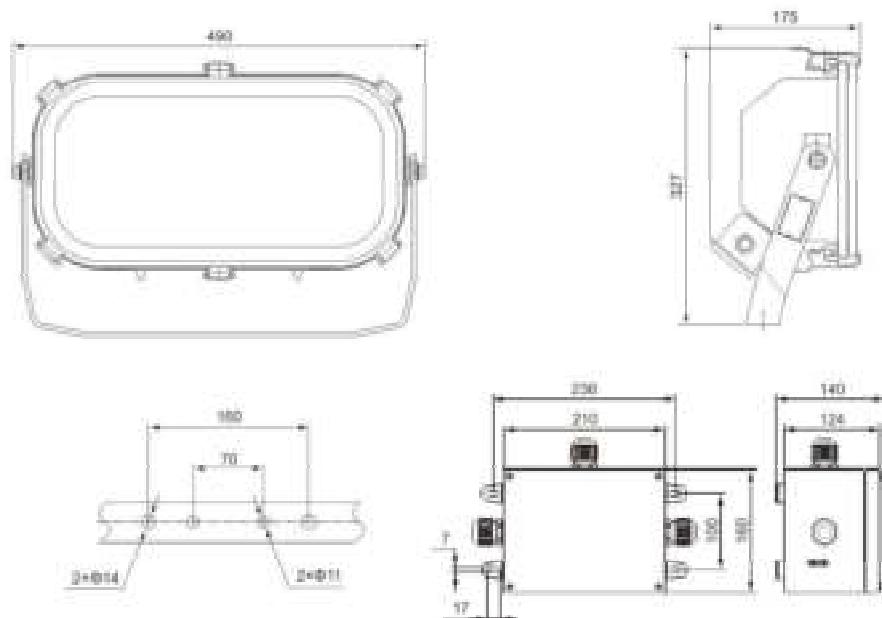
型号 Type	额定电压(V) Rated voltage	额定功率(W) Rated power	光源 Light source	重量(kg) Weight
CTG31-N250		250W	高压钠灯 High pressure sodium lamp	7.5
CTG31-N400	220V~240V AC 110V AC 50/60Hz	400W		7.5
CTG31-L250		250W	金属卤灯 Metal halide lamp	7.5
CTG31-L400		400W		7.5

- 注：需订购外置镇流器箱配套使用。
- Note: It is required to order the separate ballast box for a complete set.

技术参数 Technical parameters

执行标准 Conformity to standards	GB 11472, GB 7000.7, IEC 60598, CCS人眼规范 (CCS standard)
环境温度 Ambient temperature	-25°C--55°C
光源类型 Light source	N: 高压钠灯, L: 嵌透灯 N: High pressure sodium lamp, L: Metal halide lamp
灯座 Lamp holder	E40
防护等级 Degree of protection	IP65
电缆引入口 Cable entry	2 x Φ25.5孔, 配2 x FQM-IV, M25 x 1.5格兰(黄铜镀镍), 适用于Φ10-Φ18mm电缆 2xΦ25.5 hole, with 2x FQM-IV, M25x1.5 gland (Nickel plated brass), suitable for Φ10-Φ18mm cable
接线端子 Terminal	3 x 1.5~4mm ²

外形尺寸 Outline dimension



镇流器 Ballast

应用场景 Application

- 适用于船舶、海上平台、港口、码头等作露天场所搜索照明。
- Suitable for search illumination in open spaces like ships, offshore platforms, ports and wharfs, etc.

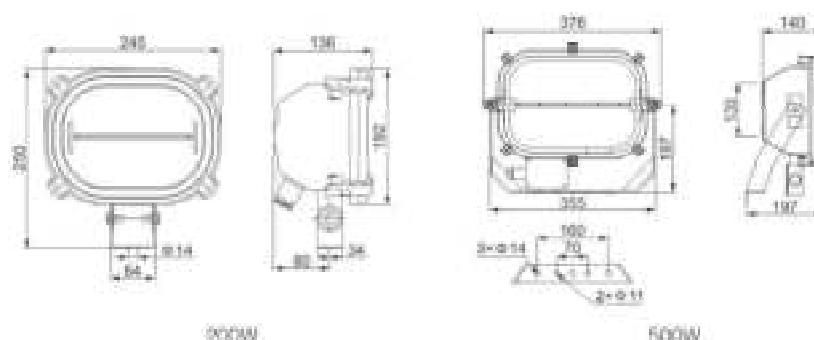


灯体 Housing

- 不锈钢拉伸成型，表面喷塑。
- Housing in stretching formed stainless steel, powder coated surface.

透明盖 Transparent cover

- 透明钢化玻璃。
- Toughened glass.



卡扣/链条 Buckle/chain

- 不锈钢。
- Stainless steel.

技术参数 Technical parameters

执行标准 Conformity to standards	GB111472, GB7000.7, IEC 60598, CCS入级规范 (CCS standard)
环境温度 Ambient temperature	-25°C ~ +55°C
光源类型 Light source	C: 钨丝灯 Tungsten halogen lamp
防护等级 Degree of protection	IP67
电缆引入口 Cable entry	M20×1.5格兰(黄铜镀镍), 适用于Φ6~Φ15mm电缆 M20x1.5 gland (Nickel plated brass), suitable for Φ6~Φ15mm cable
插线端子 Terminal	3×1.5~4mm ²

选配表 Selection table

型号 Type	额定电压(V) Rated voltage	额定功率(W) Rated power	灯座 Lamp holder	重量(kg) Weight
CTG31-C50×2	24V DC	50W×2	GY6.35	3
CTG31-C200		200W		
CTG31-C300	120V AC 60Hz 220V AC 50Hz	300W	R75	6.5
CTG31-C500		500W		

E 信号灯系列

SIGNAL LIGHT FITTINGS series

打造一流船用和海工品牌

Create
A Famous Marine & Offshore
Products Brand





HR-NLC 航行灯控制器、HR-SLC 信号灯控制器

HR-NLC Navigation Light Controller, HR-SLC Signal Light Controller



应用场景 Application

- 适用于船舶航行灯、信号灯系统的集中控制，实现对航行灯、信号灯系统自检测、自诊断、自决策的智能化管控。
- Applied to centralized control of navigation lights and signal lights system, realizing intelligent control of navigation lights and signal lights system in terms of self-detection, self-diagnosis and self-decision-making.



HR-NLC



HR-SLC

产品特性 Product features

- 可以驱动“单灯多色”功能的智能型LED航行信号灯；
- 对灯具的开关灯、灯光模式切换、灯具故障判断实现全面控制；
- 兼容性强，几乎可以满足各类型船舶的需要；
- 系统采用主/备两路供电，主路故障自动切换至备用电源并报警。
- Intelligent LED navigation lights that can drive the "single light multi-color" function.
- Full control of the switch of the luminaire, the light mode, and the judgement of fault.
- Strong compatibility, almost meeting the needs of all types of ships.
- The system adopts main/standby power supply, and the main road automatically switches to the standby power supply and alarm in case of fault.

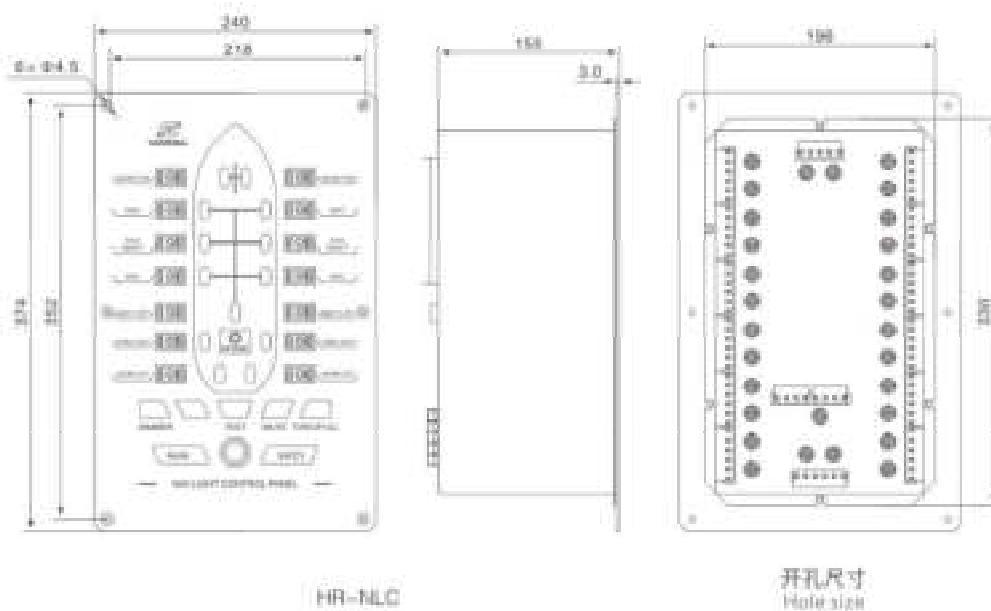
选配表 Selection table

型号 Type	名称 Name	额定电压(V) Rated voltage	重量(kg) Weight
HR-NLC	航行灯控制器 Navigation Light Controller	220V/230V AC 110V AC 24V DC	5.0
HR-SLC	信号灯控制器 Signal Light Controller		4.3

技术参数 Technical parameters

执行标准 Conformity to standards	符合《1972年国际海上避碰规则》和《钢质海船入级规范》。IEC60993, GB/T 3028, MSC.253(83), CCS入级规范 Conform to the International Regulations for Preventing Collisions at Sea, 1972, Rules for Classification of Sea-going Steel Ships, IEC60993, GB/T 3028 and MSC.253(83), CCS standard
环境温度 Ambient temperature	-40°C~+55°C
防护等级 Degree of protection	IP22
安装方式 Mounting	嵌入式 Recessed type

外形尺寸 Outline dimension





CXH□-1L LED航行信号灯

CXH□-1L LED Navigation Signal Light



应用场景 Application

- 适用于长度≥50米的船舶作昼夜航行灯光信号。
- Suitable for day and night navigation signal of ships whose length is 50m or above.



灯体 Housing

- 壳体：不锈钢拉伸成型，表面喷塑
- 散热盖：优质海工铝合金，表面喷塑
- Enclosure: stainless steel stretching formed, powder coated surface
- Heat dissipation: high quality maritime aluminum alloy, powder coated surface

透明罩 Transparent cover

- PC材质
- PC material

电气 Electric

- 恒流恒压驱动电源，宽电压输入
- 上下两组光源一用一备
- Constant current constant voltage drive power, wide voltage input
- Top-and bottom lamps are one for usage and the other for standby

选配表 Selection table

● 绿 Green ● 红 Red ○ 白色 White ■ 黄 Yellow

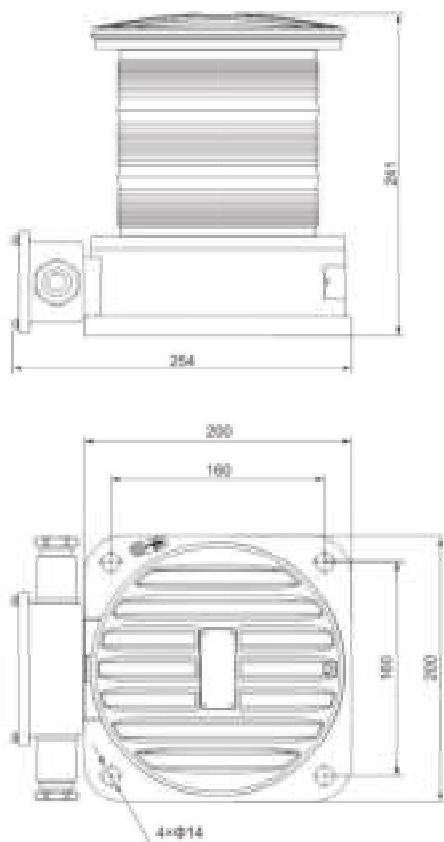
名称 Name	型号 Type	光源功率 Power	额定电压(V) Rated voltage	可见距离 Visibility	水平光弧 Level arc	颜色 Color	重量(kg) Weight
右舷灯 Starboard light	CXH1-1L	8W×2	24V DC 110V AC 220V AC 230V AC	3n.m	112.5°	●	3.6
左舷灯 Portside light	CXH2-1L	5W×2		3n.m	112.5°	●	3.6
桅灯 Masthead light	CXH3-1L	16W×2		6n.m	225°	○	3.6
艉灯 Stern light	CXH4-1L	8W×2 / 5W×2		3n.m	135°	○ ■	3.6
环照灯 All-round light	CXH6-1L	5W×2 / 8W×2		3n.m	360°	● ○	3.6

- 本产品获得了欧盟MED / EC证书。
- This product has acquired the EU MED / EC certificate.

技术参数 Technical parameters

执行标准 Conformity to standards	符合《1972年国际海上避碰规则》和《钢质海船入级规范》，IEC60940, GB/T 3028, CCS入级规范 Conform to the International Regulations for Preventing Collisions at Sea, 1972, Rules for Classification of Sea-going Steel Ships, IEC60940 and GB/T 3028, CCS standard
环境温度 Ambient temperature	-40°C~+55°C
光源类型 Light source	LED 模组 LED module
防护等级 Degree of protection	IP66
电缆引入口 Cable entry	2×Φ25.5孔，配2×FQM-IV, M25×1.5格兰(黄铜镀镍)，适用于Φ10-Φ16mm电缆 2×Φ25.5 hole, with 2×FQM-IV, M25×1.5 gland (Nickel plated brass), suitable for Φ10-Φ16mm cable
接线端子 Terminal	3×1.5-2.5mm ²

外形尺寸 Outline dimension





CXH□-1□P 全塑航行信号灯

CXH□-1□P Plastic Navigation Signal Light



应用场景 Application

- 适用于长度≥50米的船舶作昼夜航行灯光信号。
- Suitable for day and night navigation signal of ships whose length is 50m or above.



灯体 Housing

- 阻燃高强度工程塑料注塑成型
- Flame retardant high strength engineering plastic. injection molding formed.

透明罩 Transparent cover

- PC材质透明罩
- PC transparent cover.

选配表 Selection table

● 绿 Green ● 红 Red ○ 白色 White ● 黄 Yellow

名称 Name	型号 Type	规格 Specification	可见距离 Visibility	水平光弧 Level arc	颜色 Color	重量(kg) Weight
全塑右舷灯 Plastic starboard light	CXH1-1AP	24V/60W 110V/60W 220V/65W	3n.m	112.5°	●	4.3
	CXH1-1BP					2.8
全塑左舷灯 Plastic portside light	CXH2-1AP	24V/60W 110V/60W 220V/65W	3n.m	112.5°	●	4.3
	CXH2-1BP					2.8
全塑桅灯 Plastic masthead light	CXH3-1AP	24V/60W 110V/60W 220V/65W	6n.m	225°	○	4.2
	CXH3-1BP					2.7
全塑艉灯 Plastic stern light	CXH4-1AP	24V/60W 110V/60W 220V/65W	3n.m	135°	○ ●	4.3
	CXH4-1BP					2.8
全塑环照灯 Plastic all-round light	CXH5-1AP	24V/60W 110V/60W 220V/65W	3n.m	360°	● ○	4.1
	CXH5-1BP				● ○	2.6

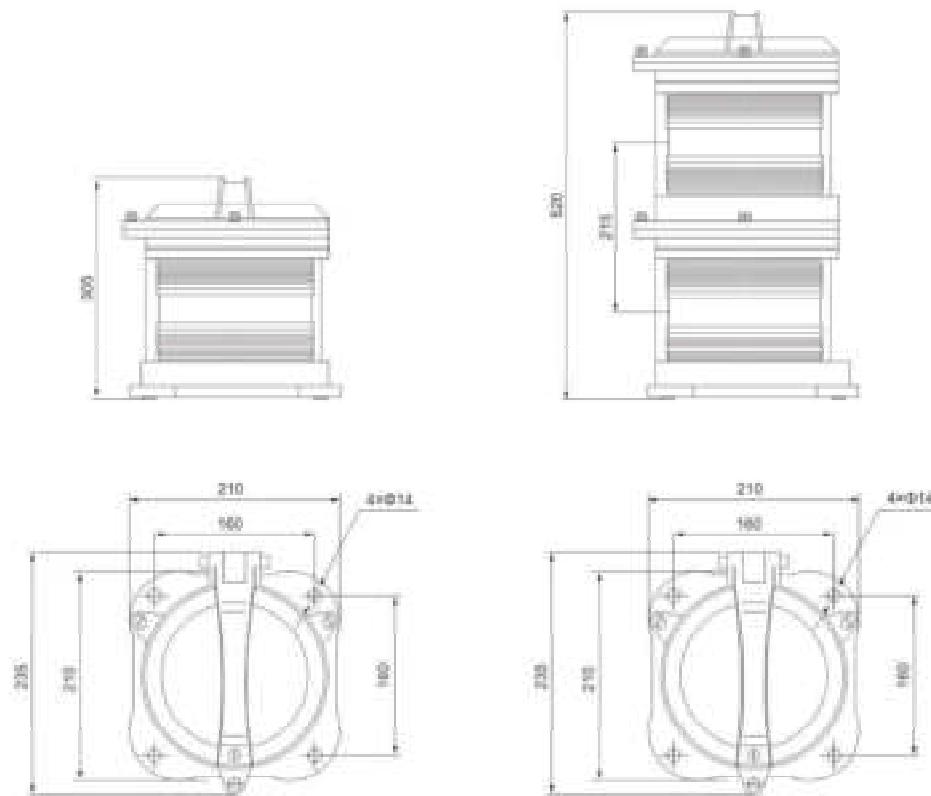
* 注: A: 双层 B: 单层 P: 工程塑料

* Note: A: Double layer B: Single layer P: Engineering plastic

技术参数 Technical parameters

执行标准 Conformity to standards	符合《1972年国际海上避碰规则》和《钢质海船入级规范》。IEC60946, GB/T 3028, CCS入级规范 Conform to the International Regulations for Preventing Collisions at Sea, 1972, Rules for Classification of Sea-going Steel Ships. IEC60946 and GB/T 3028, CCS standard
环境温度 Ambient temperature	-25°C~+55°C
灯座 Lamp holder	B22d / P265
防护等级 Degree of protection	IP66
电缆引入口 Cable entry	M20×1.5通头，适用于Φ10~Φ12mm电缆 MQ2x1.5 gland nut, suitable for Φ10~Φ12mm cable
接线端子 Terminal	3×1.5~2.5mm ²

外形尺寸 Outline dimension



应用场景 Application:

- 适用于长度≥50米的船舶作昼夜航行灯光信号。
- Suitable for day and night navigation signal of ships whose length is 50m or above.



灯体 Housing:

- 不锈钢拉伸成型，表面喷塑。
- Stainless steel stretching formed, powder coated surface.

透明罩 Transparent cover:

- PC材质透明罩。
- PC transparent cover.

选配表 Selection table

● 绿 Green ● 红 Red ○ 白色 White ■ 黄 Yellow

名称 Name	型号 Type	规格 Specification	可见距离 Visibility	水平光弧 Level arc	颜色 Color	重量(kg) Weight
右舷灯 Starboard light	CXH1-1AS	24V/60W 110V/60W 220V/65W	3n.m	112.5°	●	5.4
	CXH1-1BS					2.9
左舷灯 Portside light	CXH2-1AS	24V/60W 110V/60W 220V/65W	3n.m	112.5°	●	5.4
	CXH2-1BS					2.9
桅灯 Masthead light	CXH3-1AS	24V/60W 110V/60W 220V/65W	6n.m	225°	○	5.4
	CXH3-1BS					2.9
艉灯 Stern light	CXH4-1AS	24V/60W 110V/60W 220V/65W	3n.m	135°	○ ■	5.4
	CXH4-1BS					2.9
环照灯 All-round light	CXH6-1AS	24V/60W 110V/60W 220V/65W	3n.m	360°	● ■	5.4
	CXH6-1BS				■ ○	2.9

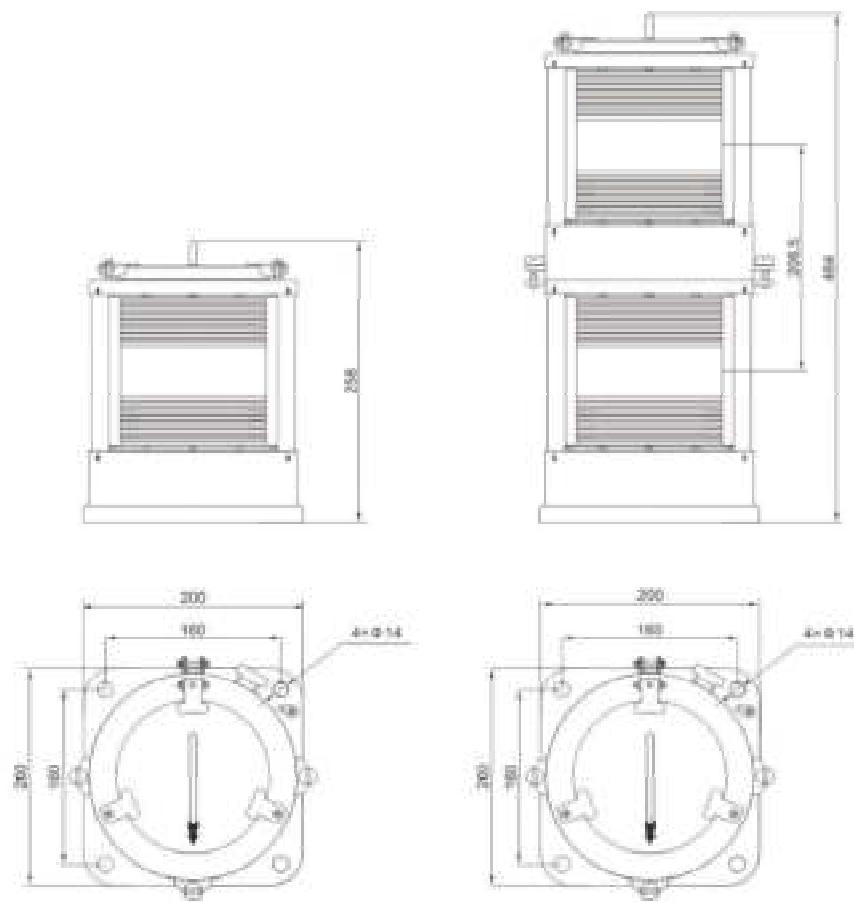
*注: A: 双层 B: 单层 S: 不锈钢

* Note: A: Double layer B: Single layer S: Stainless steel

技术参数 Technical parameters

执行标准 Conformity to standards	符合《1972年国际海上避碰规则》和《钢质海船入级规范》。IEC60946, GB/T 3028, CCS入级规范 Conform to the International Regulations for Preventing Collisions at Sea, 1972, Rules for Classification of Sea-going Steel Ships, IEC60946 and GB/T 3028, CCS standard
环境温度 Ambient temperature	-25°C~+55°C
灯座 Lamp holder	B22d / P265
防护等级 Degree of protection	IP66
电缆引入口 Cable entry	M20×1.5通头, 适用于Φ6.5~Φ10mm电缆 MQ2x1.5 gland nut, suitable for Φ6.5~Φ10mm cable
接线端子 Terminal	3×1.5~2.5mm ²

外形尺寸 Outline dimension





CXH5-1□L LED信号灯

CXH5-1□L LED Signal Light



应用场景 Application

- 适用于长度≥50米的船舶作昼夜航行灯光信号。
- Suitable for day and night navigation signal of ships whose length is 50m or above.



灯体 Housing

- 黄铜材质
- Brass material

电气 Electric

- 恒流恒压驱动电源，宽电压输入
- CXH5-1SL 单色发光
- CXH5-1DL 双色发光
- CXH5-1TL 三色发光
- CXH5-1DL, CXH5-1TL通过控制器切换发光颜色
- Constant current constant voltage drive power, wide voltage input
- CXH5-1SL Single color
- CXH5-1DL Double color
- CXH5-1TL Triple color
- CXH5-1DL, CXH5-1TL Switch luminous colors through the controller

透明罩 Transparent cover

- 钢化玻璃
- Toughened glass

选配表 Selection table

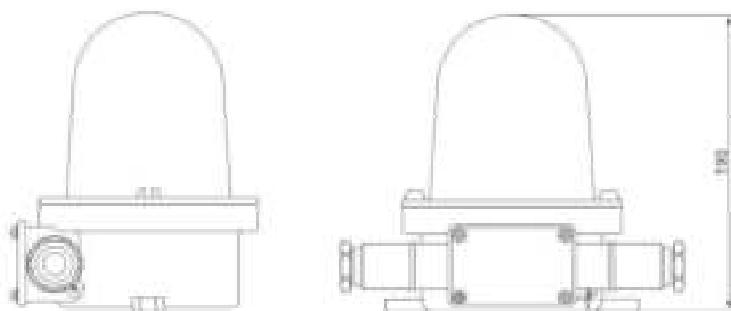
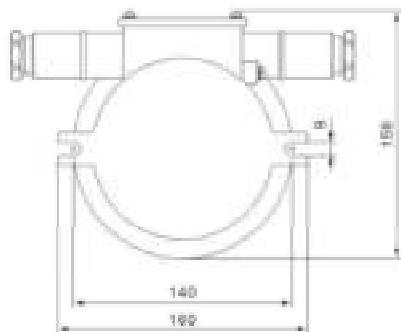
● 绿 Green ■ 红 Red ○ 白 White □ 黄 Yellow ■ 蓝 Blue

型号 Type	光源功率 Power	额定电压(V) Rated voltage	可见距离 Visibility	水平光弧 Level arc	颜色 Color	重量(kg) Weight
CXH5-1SL	5W / BW / BW / BW / 5W	110V~230V AC 50/60Hz 24V DC	3n.m	360°	● ■ ○ ■ ■ ■	3.0
CXH5-1DL	5W / BW				● ■ ■	3.0
CXH5-1TL	5W / BW / BW				● ○ ■	3.0

技术参数 Technical parameters

执行标准 Conformity to standards	符合《1972年国际海上避碰规则》和《钢质海船入级规范》，IEC60993，GB/T 3028，CCSA入级规范 Conform to the International Regulations for Preventing Collisions at Sea, 1972, Rules for Classification of Sea-going Steel Ships, IEC60993 and GB/T 3028, CCS standard
环境温度 Ambient temperature	-40°C~+55°C
光源类型 Light source	LED 模组 LED module
防护等级 Degree of protection	IP66
电缆引入口 Cable entry	2×PQM-IV, M25×1.5法兰(黄铜镀镍), 适用于Φ10~Φ18mm电缆 2×PQM-IV, M25×1.5 gland (Nickel plated brass), suitable for Φ10~Φ18mm cable
接线端子 Terminal	3×1.5~2.5mm ²

外形尺寸 Outline dimension



应用场景 Application

- 适用于船舶作昼夜航行灯光信号。
- Suitable for day and night navigation signal of ships.

**灯体 Housing**

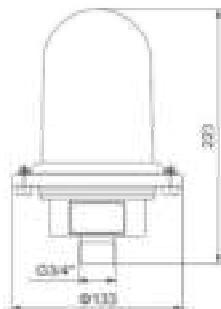
- 黄铜材质，表面塑型。
- Brass material, powder coated surface.

I型 Type I

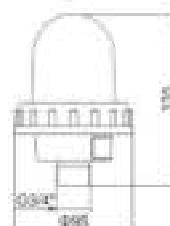
II型 Type II

透明罩 Transparent cover

- 聚碳酸酯(PC材质)
- PC material



I型 Type I



II型 Type II

技术参数 Technical parameters

执行标准 Conformity to standards	IEC 60998, CCS入级规范 (CCS standard)
环境温度 Ambient temperature	-40°C~+55°C
防护等级 Degree of protection	IP56
光源类型 Light source	LED 灯泡 / 白炽灯 LED lamp / Incandescent lamp
灯座 Lamp holder	E27
电缆引入口 Cable entry	G3/4"透头, 适用于Φ9~Φ11mm电缆 G3/4" gland nut, suitable for Φ9~Φ11mm cable

选配表 Selection table

● 绿 Green ■ 红 Red ○ 白 White ■ 黄 Yellow ■ 蓝 Blue ■ 紫 Purple

型号 Type	规格 Specification	光源类型 Light source	可见距离 Visibility	水平光强 Level lux	颜色 Color	壳体类型 Enclosure	重量(kg) Weight
CXH5-1	220V/230V AC 5W	LED 灯泡 LED lamp	3n.m	360°	● ○ ■ ■ ○ ○	I	1.5
	24V/100V/220V 60W	白炽灯 Incandescent lamp	3n.m	360°	■ ■ ○ ○ ○ ○	II	1.1
					● ○ ■ ■ ○ ○	I	1.5
					■ ■ ○ ○ ○ ○	II	1.1

CXH17信号灯、CXH19信号灯

CXH17 Signal Light, CXH19 Signal Light



应用场所 Application

- 适用于长度≥50米船舶作夜间航行之用。
- Suitable for night navigation of ships whose length is 50 meters or above.



灯体 Housing

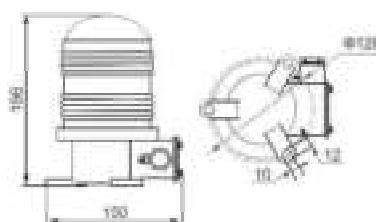
- CXH17: 不锈钢
- CXH19: 铜
- CXH17: Stainless steel
- CXH19: Copper

CXH17

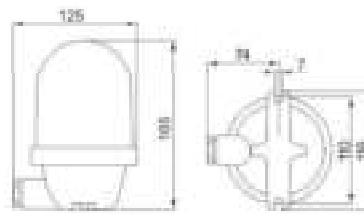
CXH19

灯罩 Housing

- PC材质
- PC material



CXH17



CXH19

技术参数 Technical parameters

执行标准 Conformity to standards	IEC 60696, CCS入级规范 (CCS standard)
环境温度 Ambient temperature	-40°C--+55°C
光源类型 Light source	白炽灯 / LED 灯泡 Incandescent lamp / LED lamp
灯座 Lamp holder	E27
防护等级 Degree of protection	IP56
电缆引入口 Cable entries	适用于Φ 10-Φ 14mm电缆连接 Suitable for Φ 10-Φ 14mm cable

选配表 Selection table

● 绿 Green ■ 红 Red ■ 蓝 Purple ■ 黄 Yellow ○ 透明 Transparent

型号 Type	规格 Specification	颜色 Color	可见距离 Visibility	重量(kg) Weight
CXH17	110V/220V 80W 220V/230V LED 5W	○ ■ ■ ■ ■	3nm	1.4
CXH19	110V LED 5W	○ ■ ■ ■ ■	3nm	0.8

应用场景 Application:

- 适用于各类船舶作通信闪光(莫氏信号)之用。
可安装在后桅顶部，360度环照。
- Suitable for the use of communication and flash
(Morse signal of all types of vessels, which could
be installed at the top of mizzen for the purpose
of 360-degree illumination.

**灯体 Housing**

- 优质海工铝合金，表面喷塑。
High quality maritime aluminum alloy.
powder coated surface



AJ1

AJ2

透明罩 Transparent cover

- PC灯罩
- PC diffuser

可选配件 Options

- AJ1, AJ2款式电键
- AJ1, AJ2 Morse telegraph key

选配表 Selection table

型号 Type	规格 Specification	光源类型 Light source	灯座 Lamp holder	可见距离 Visibility	水平光弧 Level arc	颜色 Color	重量(Kg) Weight
CXD7	110V/220V 25W × 3	白炽灯 Incandescent lamp	E22d	>5nm	360°	○ 白色 White	6.5
CXD7	110V/220V 8W × 3	LED灯泡 LED lamp	E27				

技术参数 Technical parameters

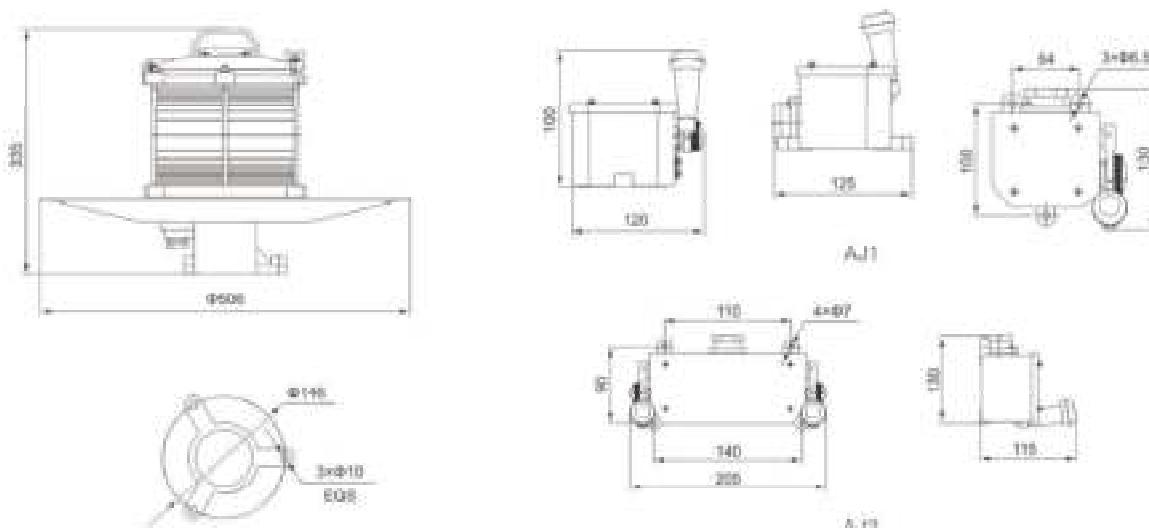
环境温度 Ambient temperature	-40°C--+55°C
防护等级 Degree of protection	IP56
进线规格 Cable entry	适用Φ 10-Φ 14mm电缆 Suitable for Φ 10-Φ 14mm cable

AJ1 莫氏电键 Morse telegraph key

电压 Voltage	110/220V
电流 Current	1.5A
防护等级 Degree of protection	IP56
重量 Weight	0.5kg
材质 Material	铝 Aluminium

AJ2 莫氏电键 Morse telegraph key

电压 Voltage	110/220V
电流 Current	1.5A
防护等级 Degree of protection	IP56
重量 Weight	0.9kg
材质 Material	铝 Aluminium

外形尺寸 Outline dimension




CXD8 白昼信号灯

CXD8 Daylight Signal Light



应用场景 Application

- 适用于150t以上船舶之间白昼信号联络用，由信号灯、充电箱、电池箱组成；
- 工作时通过闪光装置手柄上的电键，发送灯光信号；
- 白昼信号灯插座需另行定购；
- Suitable for daylight signal contact between ships more than 150t; it consists of signal light, charger box and battery box;
- Deliver light signal by the telegraph key on the handle of flash device.
- Sockets of daylight signal light should be ordered separately.

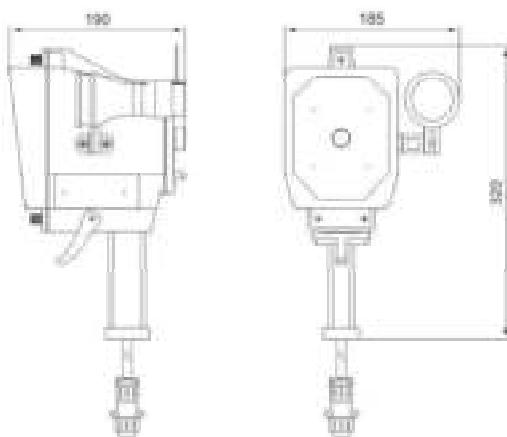


技术参数 Technical parameters

CXD8 白昼信号灯 Daylight Signal Light

规格 Spec.	24V/60W
光源 Light source	卤钨灯 Tungsten Halogen lamp
灯座 Lamp holder	G6.35
防护等级 Degree of protection	IP44
可见距离 Visibility	>2n.m
光强 Intensity	60000cd
光柱角 Beam angle	6°
重量 Weight	7.5kg
材质 Material	铝 Aluminium

外形尺寸 Outline dimension



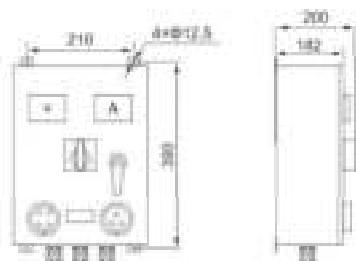
信号灯 Signal light

技术参数 Technical parameters

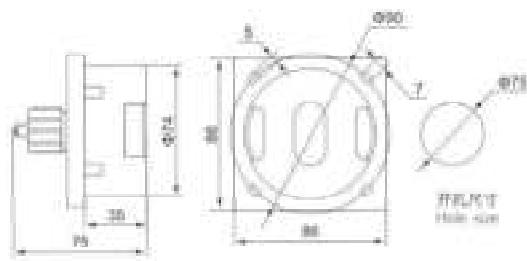
CXD8-CDX 充电站 Charger box

输入/ Input	AC110V / 60Hz AC220V 50Hz / 60Hz
输出/ Output	AC24V, DC24V
容量 Capacity	7Ah
环境温度 Ambient temperature	-25°C--+ 45°C
插座 Socket	P20-四芯 4 pin
防护等级 Protection class	IP56
重量 Weight	9.6kg

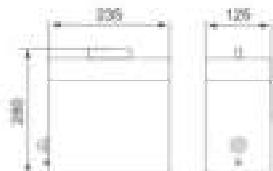
外形尺寸 Outline dimension



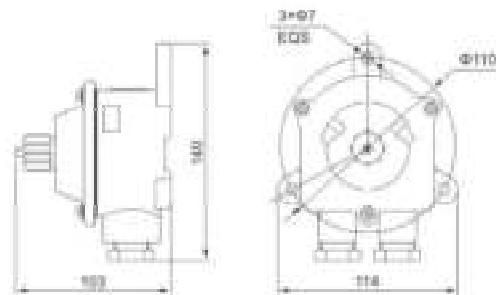
CXD8-CDX
充电桩 Charger Box



CXZ8-1
插座(室内) Socket (indoor)



电池箱 Battery Box



CXZ8
插座(室外) Socket (outdoor)



应用场景 Application

- 适用于长度≥50米的船舶作昼夜航行灯光信号；
- 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- 适用于爆炸性危险环境2区、21区、22区等场所。
- Suitable for day and night navigation signal of ships whose length is 50m or above;
- Can reliably work in severe environment exposed in moisture, vibration or corrosion;
- Explosive hazardous atmosphere Zone 2, Zone 21, Zone 22.



灯体 Housing

- 壳体：不锈钢拉伸成型，表面喷塑
- 散热盖：优质海工铝合金，表面喷塑
- Enclosure: stainless steel stretching formed, powder coated surface
- Heat dissipation: high quality maritime aluminum alloy, powder coated surface

透明罩 Transparent cover

- PC材质
- PC material

电气 Electric

- 恒流恒压驱动电源，宽电压输入
- 上下两盏光源一用一备
- Constant current constant voltage drive power, wide voltage input
- Top and bottom lamps are one for usage and the other for standby

选配表 Selection table

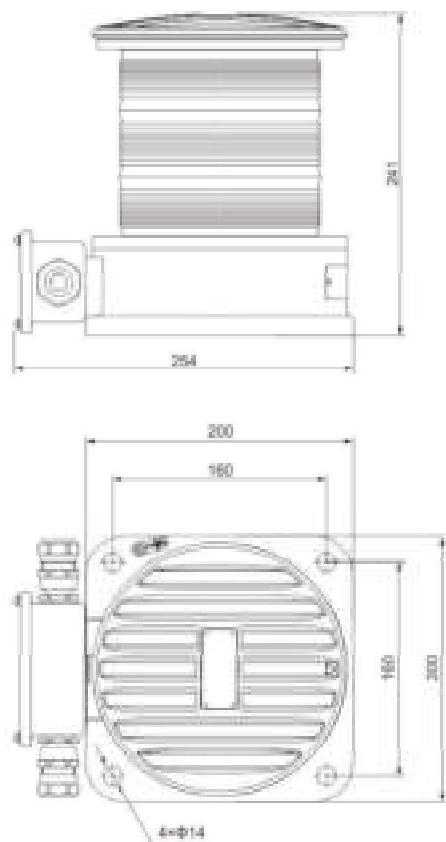
● 绿 Green ■ 红 Red ○ 白色 White ■ 黄 Yellow

名称 Name	型号 Type	光源功率 Power	额定电压(V) Rated voltage	可见距离 Visibility	水平光弧 Level arc	颜色 Color	重量(kg) Weight
防爆LED航行信号灯(右舷灯) Explosion-proof LED navigation signal light(Starboard light)	BCXH1-1L	8W×2	110V AC 220V AC 230V AC 50/60Hz 24V DC	3nm	112.5°	●	3.6
防爆LED航行信号灯(左舷灯) Explosion-proof LED navigation signal light(Portside light)	BCXH2-1L	5W×2		3nm	112.5°	■	3.6
防爆LED航行信号灯(桅灯) Explosion-proof LED navigation signal light(Masthead light)	BCXH3-1L	16W×2		6nm	225°	○	3.6
防爆LED航行信号灯(艉灯) Explosion-proof LED navigation signal light(Stern light)	BCXH4-1L	8W×2 / 5W×2		3nm	135°	○ ■	3.6
防爆LED航行信号灯(环照灯) Explosion-proof LED navigation signal light(Ali-round light)	BCXH6-1L	5W×2 / 8W×2 5W×2 / 8W×2		3nm	360°	● ■ ■ ○	3.6

技术参数 Technical parameters

执行标准 Conformity to standards	IEC60079, EN60079, GB3836, GB12476, GB/T 3028, CCS入级规范 (CCS standard)
防爆标志 Ex-Mark	Ex e nR II C T6 Gc / Ex id A21 IP66 -T80°C
环境温度 Ambient temperature	-40°C~+55°C
光源类型 Light source	LED 模组 LED module
防护等级 Degree of protection	IP66
防腐等级 Corrosion-proof	WF2
电缆引入口 Cable entry	2×DQM-II/III-D/M25×1.5B法兰(黄铜镀镍), 适用于Φ10-Φ18mm电缆 2×DQM-II/III-D/M25×1.5B gland (Nickel plated brass), suitable for Φ10-Φ18mm cable
接线端子 Terminal	3×1.5-2.5mm ²

外形尺寸 Outline dimension





BSZD85 防爆航空障碍灯

BSZD85 Explosion-proof Aviation Obstruction Light



应用场景 Application

- 广泛应用于海洋工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域作高大设施及建筑物上航空障碍指示之用；
- 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- 适用于爆炸性危险环境1区、2区、21区、22区等场所。
- Widely used for aircraft obstruction indication of tall facilities or buildings in various marine platforms, chemical tankers, LNG ships and hazardous cargo wharfs, etc.
- Can reliably work in severe environment exposed in moisture, vibration or corrosion.
- Explosive hazardous atmosphere Zone 1, Zone 2, Zone 21, Zone 22.



BSZD85-E

BSZD85-C

BSZD85-G

灯体 Housing

- 优质海工铝合金，表面喷塑
- High quality maritime aluminum alloy, powder coated surface

电气 Electric

- 配用集成芯片，具有多种保护电路，可通过同步的信号线连接实现多台灯具的同步闪烁
- Equipped with an integrated chip, with a variety of protection circuits, multiple luminaires syn-chronous flashing can be achieved by syn-chronizing signal line connection.

透明罩 Transparent cover

- E型、C型：钢化玻璃
- G型：聚碳酸酯
- Type E, type C: Toughened glass
- Type G: Polycarbonate

可选配件 Options

- 太阳能电池板
- V: 有线同步
- T: 无线同步
- With solar panel
- V: Wired sync
- T: Wireless sync

选配表 Selection table

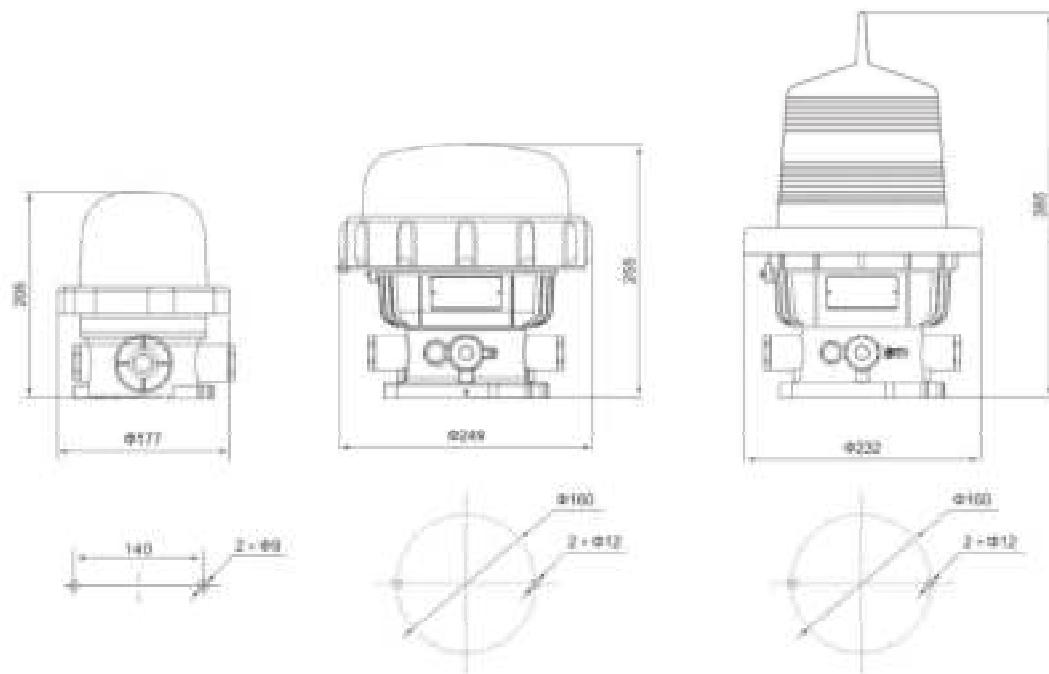
型号 Type	额定电压(V) Rated voltage	额定功率(W) Rated power	峰值光强 Peak light intensity	闪光频率(次/min) Flash frequency	防爆标志 Ex-Mack	光源类型 Lamp	重量(kg) Weight
BSZD85-E		≤8W	>320cd 低光强 Low light intensity	常亮 Long bright	Ex d IIC T6 Gb Ex d A21 IP66 T80°C	LED 模组 LED module	2.7
BSZD85-C	220V/230V AC 50/60Hz	≤40W	>2000cd 中光强 Medium intensity	20~60	Ex d IIC T6 Gb Ex d A21 IP66 T80°C	LED 模组 LED module	6.0
BSZD85-G		≤20W	>20000cd 高光强 High light intensity			氙气灯 Xenon lamp	4.1

- 灯具出厂时配防爆堵头，若用户需要防爆电缆头紧密封接头，请注明。
- BSZD85-G无太阳能装置配置。
- The light fitting is supplied with Ex type stopping plug and Ex cable gland is on request.
- BSZD85-G is not supplied with solar device.

技术参数 Technical parameters

执行标准 Conformity to standards	IEC60079, EN60079, GB3836, GB12476, CCS入级规范 (CCS standard)		
环境温度 Ambient temperature	-40°C~+70°C		
光源类型 Light source	LED模组 LED module	氙气灯 Xenon lamp	
峰值光强 Peak light intensity	>320cd(低光强 Low light intensity)	>2000cd(中光强 Medium intensity)	>20000cd(高光强 High light intensity)
闪光频率 Flash frequency	常亮 Long bright	20~60次/分钟	
灯光颜色 Lamp colour	红色 Red	白色 White	
防护等级 Degree-of protection	IP66		
防腐等级 Corrosion-proof	WF2		
电源引入口 Cable entry	BSZD85-E: 2×M25×1.5堵头(铝合金); BSZD85-C / BSZD85-G: 4×G3/4"堵头(铝合金); 推荐配DQM-II/III, 格兰(黄铜镀镍), 适用Φ12.5~Φ20.5mm BSZD85-E: 2×Φ05×1.5 plug (Aluminum alloy). BSZD85-C / BSZD85-G: 4×G3/4" plug (Aluminum alloy). DQM-II/III gland (Nickel plated brass) is recommended, suitable for Φ12.5~Φ20.5mm cable		
接线端子 Terminal	3×2.5mm ²		

外形尺寸 Outline dimension



应用场景 Application

- 广泛应用于海洋工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域作事故信号报警或作为信号指示用；
- 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- 适用于爆炸性危险环境1区、2区、21区、22区等场所。
- Widely used for incident alarm or signal indication on various marine platforms, chemical tankers, LNG ships and hazardous cargo wharfs, etc.
- Can reliably work in severe environment exposed to moisture, vibration or corrosion.
- Explosive hazardous atmosphere Zone 1, Zone 2, Zone 21, Zone 22.



灯体 Housing

- 优质海工铝合金，表面喷塑
- High quality maritime aluminum alloy, powder coated surface

电气 Electric

- 配置集成芯片，具有多种保护电路
- Equipped with an integrated chip, with a variety of protection circuits

透明罩 Transparent cover

- 钢化玻璃
- Toughened glass

选配表 Selection table

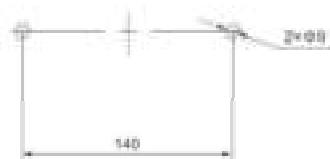
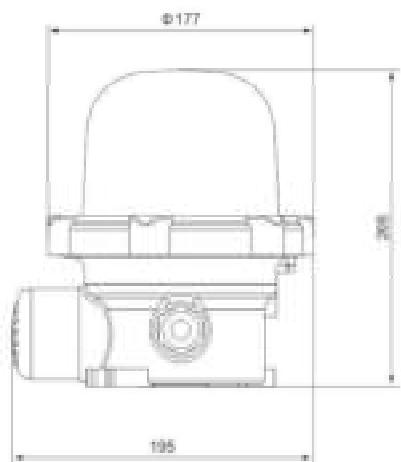
型号 Type	额定电压(V) Rated voltage	防爆标志 Ex-Mark	灯光颜色 Lamp color	重量(kg) Weight
BBJ-R	220V/230V AC 50/60Hz 24V DC/AC	Ex d Iib II C T6 Gb Ex eD ibD A21 IP66 T80°C	红色 Red	3.0
BBJ-B			蓝色 Blue	
BBJ-Y			黄色 Yellow	
BBJ-G			绿色 Green	

- 灯具出厂时配防爆堵头，若用户需要防爆电缆头需密封接头，请注明。
- The light fitting is supplied with Ex type stopping plug and Ex cable gland is on request.

技术参数 Technical parameters

执行标准 Conformity to standards	IEC60079, EN60079, GB3836, GB12476, CCS人防规范 (CCS standard)
环境温度 Ambient temperature	-40°C~+55°C
光源类型 Light source	LED模组 LED module
声音强度 Sound intensity	>110dB(R=1m)
闪光频率 Flash frequency	150次/分 150 times/min
防护等级 Degree of protection	IP66
防腐等级 Corrosion-proof	WF2
电缆引入口 Cable entry	1 x M25 x 1.5堵头(铝合金), 推荐配DQM-I/II Exd, M25 x 1.5法兰(黄铜镀镍). 适用于Φ12.5~Φ20.5电缆 1xM25x1.5 plug (Aluminum alloy). DQM-I/II Exd, M25x1.5 gland (Nickel plated brass) is recommended. suitable for Φ12.5~Φ20.5mm cable
接线端子 Terminal	3 x 1.5~2.5mm ²

外形尺寸 Outline dimension





BJD 防爆警示灯

BJD Explosion-proof Caution Spotlight Fitting



应用场景 Application

- 广泛应用于海洋工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域作事故信号报警或作为信号指示用；
- 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- 适用于爆炸性危险环境1区、2区、21区、22区等场所。
- Widely used for incident alarm or signal indication on various marine platforms, chemical tankers, LNG ships and hazardous cargo wharfs, etc.
- Can reliably work in severe environment exposed to moisture, vibration or corrosion.
- Explosive hazardous atmosphere Zone 1, Zone 2, Zone 21, Zone 22.



灯体 Housing

- 优质海工铝合金，表面喷塑
- High quality maritime aluminum alloy, powder coated surface

电气 Electric

- 配置集成芯片，具有多种保护电路
- Equipped with an integrated chip, with a variety of protection circuits

透明罩 Transparent cover

- 钢化玻璃
- Toughened glass

选配表 Selection table

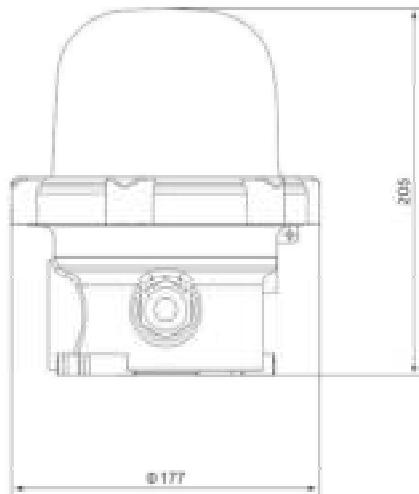
型号 Type	额定电压(V) Rated voltage	防爆标志 Ex-Mark	灯光颜色 Lamp color	重量(kg) Weight
BJD-R	220V/230V AC 50/60Hz 24V DC/AC	Ex d IEC T6 Gb Ex d A21 IP66 T80°C	红色 Red	2.7
BJD-B			蓝色 Blue	
BJD-Y			黄色 Yellow	
BJD-G			绿色 Green	

- 灯具出厂时配防爆堵头，若用户需要防爆电缆头需密封接头，请注明。
- The light fitting is supplied with Ex type stopping plug and Ex cable gland is on request.

技术参数 Technical parameters

执行标准 Conformity to standards	IEC60079, EN60079, GB3836, GB12476, CCS入能规范 (CCS standard)
环境温度 Ambient temperature	-40°C~+55°C
光源类型 Light source	LED模组 LED module
闪光频率 Flash frequency	150次/分 150 times/min
防护等级 Degree of protection	IP66
防腐等级 Corrosion-proof	WF2
电缆引入口 Cable entry	1×M25×1.5堵头(铝合金), 推荐配DQM-II/III Exd, M25×1.5法兰(青铜镀镍). 适用于Φ12.5~Φ20.5电缆 1×M25×1.5 plug (Aluminum alloy). DQM-II/III Exd, M25×1.5 gland (Nickel plated brass) is recommended. suitable for Φ12.5~Φ20.5mm cable
接线端子 Terminal	3×1.5~2.5mm ²

外形尺寸 Outline dimension



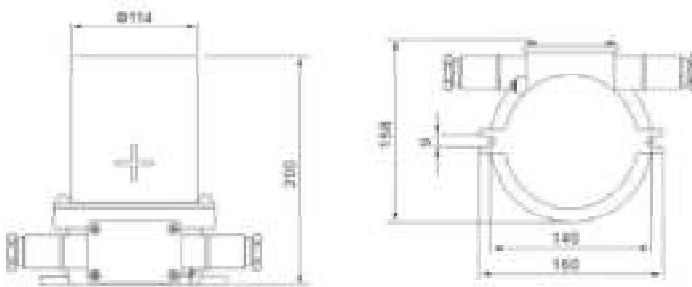
应用场景 Application

- 适用于长度超过100m以上的船舶在狭窄航道，如巴拿马运河和圣劳伦斯航道上作夜航时，需设置操舵灯(又称操纵灯)。安装于船首(前桅)，并应能从船桥沿船的中心线清晰地看到操舵灯蓝色光，若被(如克令吊)遮挡，则应在船首(前桅)左右各安装一盏操舵灯。
- Suitable for vessels longer than 100m to pass through the narrow channel, such as the Panama Canal and St. Lawrence waterway for navigation at night. It is required to set the steering light, which is installed at the stem (foremast) and the blue light of the steering light could be seen clearly from the Furubashi along the center line. If it is blocked by the crane, the steering light should be installed on the left and right of the stem (foremast).



灯体 Housing

- 黄铜材质
- Brass material



透明罩 Transparent cover

- 灯罩采用专用耐热玻璃
- Lampshade is made of specific heat-resistant glass

技术参数 Technical parameters

执行标准 Conformity to standards	IEC 60598, CCS A级规范 (CCS standard)
环境温度 Ambient temperature	-40°C~+55°C
光源类型 Light source	LED模组 LED module
灯座 Lamp holder	E27
防护等级 Degree of protection	IP66
电源引入口 Cable entry	2xFQM-IV, M25×1.5法兰(黄铜连接),适用于Φ10~Φ18mm电缆 2xFQM-IV, M25x1.5 gland (Nickel plated brass), suitable for Φ10~Φ18mm cable
接线端子 Terminal	3×1.5~2.5mm ²

选配表 Selection table

型号 Type	规格 Specification	光源类型 Light source	颜色 Color	重量(kg) Weight
CXH7	220V/24W	LED 模组 LED module	蓝色 Blue	3.0

F

直升机平台助降系统

HELICOPTER LANDING PLATFORM AID
SYSTEM

打造一流船用和海工品牌

Create
A Famous Marine & Offshore
Products Brand



应用场景 Application

- 广泛应用于海洋工程油气钻采平台、船舶等危险区域直升机平台做助降信号指示；
- 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- 适用于爆炸性环境1区、2区、21区、22区等场所。
- Widely used for landing aid signal on helideck of marine engineering, oil and gas drilling platforms and ships etc. hazardous areas.
- Can reliably work in severe environment where is easily affected by moisture, vibration, or corrosion.
- Explosive hazardous atmosphere Zone 1, Zone 2, Zone21, Zone22.

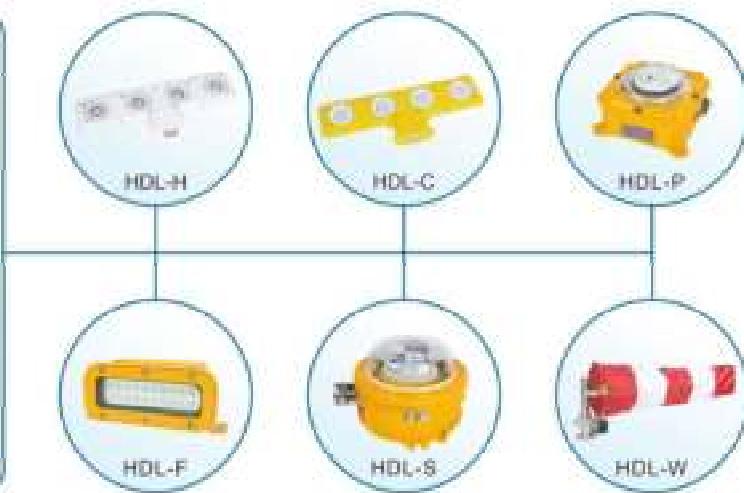


系统特色 System Features

- 高性能防爆安全；
- 长寿命LED光源 > 100000h；
- 高防护等级：IP66/IP67/IP69；
- 高防腐设计，适应海洋环境；
- 温度范围：-40°C~+55°C；
- High-performance explosion-proof security
- Long-life LED light source> 100000h
- High degree of protection: IP66 / IP67 / IP69
- High anti-corrosion design, adapt to the marine environment
- Temperature: -40°C~+55°C

系统描述 System specification

- 系统照明设计组成：平台边界、着陆区域、定位标识及状态指示；
- 系统可通过控制箱进行现场手动控制，也可实现远程控制面板或操作台控制；
- 系统两路电源供电，当正常电源故障时，自动切换到备用电源工作，同时发出报警信号；
- 系统可接入现场有毒气体、火灾、急停等危险信号，自动开启报警功能。
- System lighting design components: platform boundaries, landing area, location identification and status indication;
- System can be manually controlled by the control box on-site, can also through the remote control panel or control station;
- The system can be two-way power supply, when the normal power failure, you can directly switch to standby power supply, at the same time alarm signal is given.
- System can access the scene danger signal of toxic gases, fire, and emergency stop and with automatic warning function.

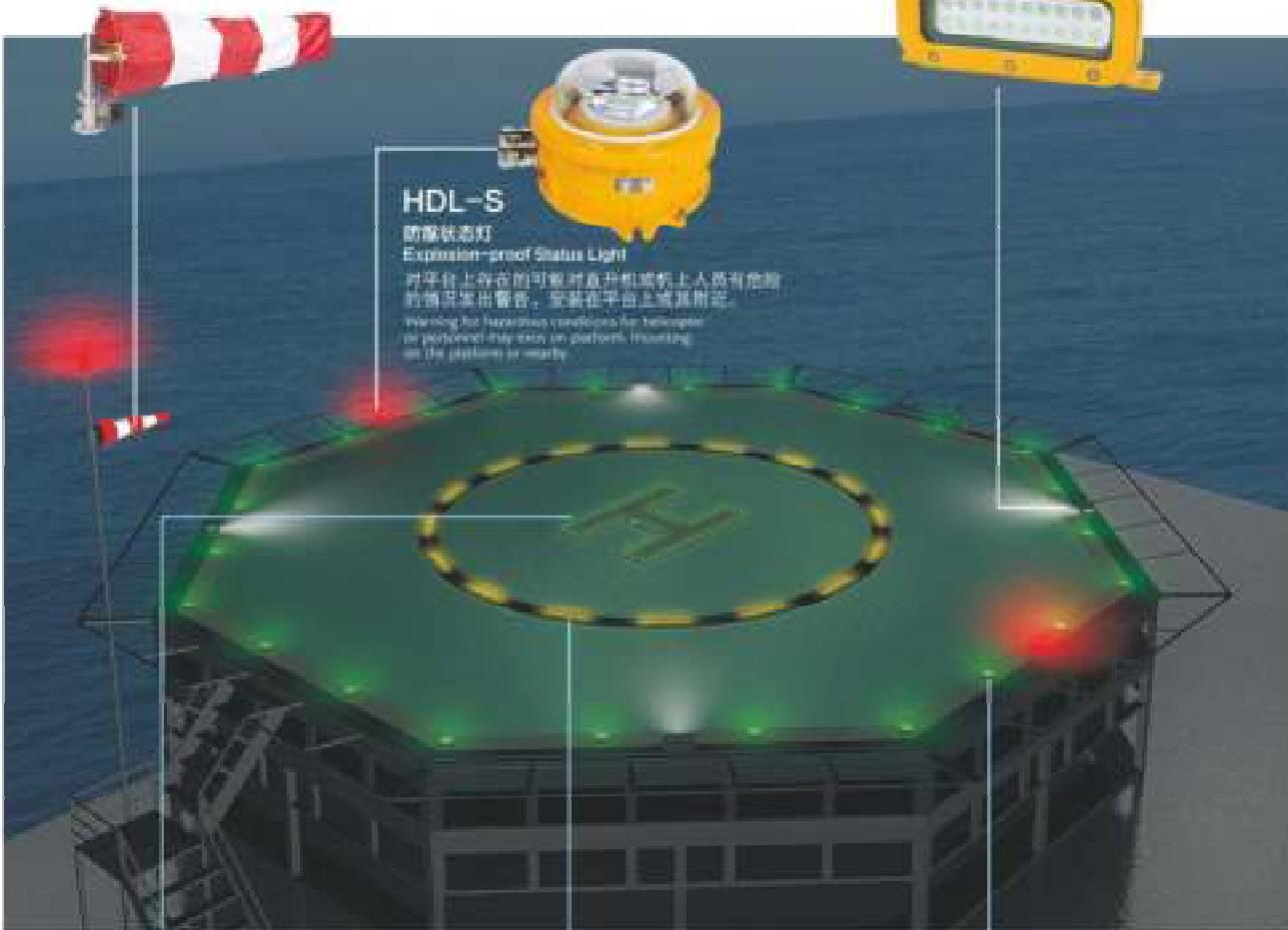


HDL-W

防爆风向灯

Explosion-proof Wind Direction Lamp

安装在平台较高的位置，随风转动，
白天和夜晚均可清晰指示风向。
Distributed on the higher area of platform,
rotate with wind, provide lighting indication
of wind direction day and night.



HDL-H

直升机平台避碰灯

Helideck Explosion-proof Light

安装于平台中央着陆区，为直升机
“飞行高限线”提供灯光指示。
Distributed on the central landing area of
platform, provide lighting indication of “H”
line for helicopter pilot.



HDL-C

直升机平台航照灯

Helideck Explosion-proof Light

安装于平台中央着陆区，为直升机飞行员
提供“TOPW”线的灯光指示。
Distributed on the central landing area of
platform, provide lighting indication of
“TOPW” line for helicopter pilot.



HDL-F

直升机平台避碰泛光灯

Helideck Explosion-proof Floodlight

光束垂直于平台中心，作降落泛光照明。
Light is vertical to the centre of platform, used for
landing general lighting.



HDL-P

航照边界灯

Explosion-proof Perimeter Light

均匀分布在平台的边缘，为直升机飞行员
提供降落地带的边界范围。
Distributed on the boundary of platform,
provide boundary range of lighting indication
of sign for helicopter pilot.



应用场景 Application

- 适用于直升机平台“H”标志的灯光指示；
- 适用于爆炸性环境1区、2区、21区、22区等场所；
- 适用于环境温度：-40℃~+60℃。
- Applied to the lighting indication of "H" sign for helideck.
- Explosive hazard atmosphere Zone 1, Zone 2, Zone 21, Zone 22.
- Suitable for temperature of -40℃~+60℃.



产品特性 Features

- 壳体采用优质海工铝，适用于海洋环境；
- LED绿色光源，寿命长达10万小时；
- 可通过控制系统，对灯具发出调光指令，实现灯具标准亮和明亮的切换；
- 专业光学软件设计的二次配光系统，符合CAP437标准要求。
- Enclosure uses high quality maritime aluminum alloy, which is applied to the ocean environment.
- LED green light source, service life is up to 100000 hours.
- Standard light and bright light of light fittings can be switched through controlling the system and the dimming instruction of light fittings.
- Professional optics software designed secondary light distribution system, conform to CAP437 standard requirements.

选配表 Selection table

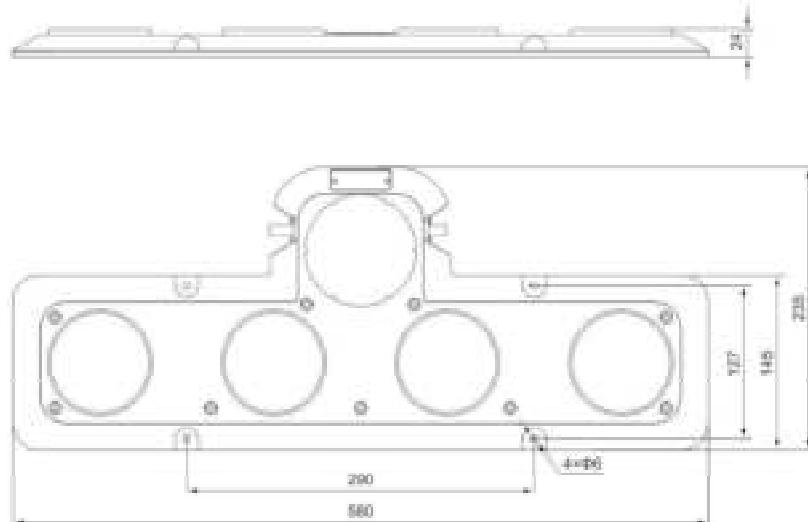
型号 Type	额定电压(V) Rated voltage	额定功率(W) Rated power	发光颜色 Lamp colour	防护等级 Degree of protection	重量(kg) Weight
HDL-H	16V~32V DC	<0.3W	绿色 Green	IP66/IP67/IP69	3.5

- 如需其他特殊要求，订货时请注明。
- If other special requirements are needed, please specify when ordering.

技术参数 Technical parameters

执行标准 Conformity to standards		IEC60079, EN60079, GB3836, GB12476, CCS入级规范 (CCS standard), CAP437		
防爆标志 Ex-Mark	GB	Ex db eb IIC T6 Gb Ex ID A21 IP66/IP67 T80°C		
	IECEx	Ex db eb IIC T6 Gb Ex tb IIIC T80°C Db IP66/IP67		
	ATEX	② II 2 G Ex db eb IIC T6 Gb ② II 2 D Ex tb IIIC T80°C Db IP66/IP67		
环境温度 Ambient temperature		-40°C~+60°C		
光源类型 Light source		LED		
发光强度 Light intensity	仰角 (Elevation)	2°~12°	>12°~20°	>20°~90°
	光强 (Intensity)Max	60cd	30cd	10cd
防护等级 Degree of protection		IP66/IP67/IP69		
防腐等级 Corrosion-proof		WF2		
进线规格 Cable entry		4×1.0mm ²		

外形尺寸 Outline dimension





应用场景 Application

- 适用于直升机平台“TD/PM”圈的灯光指示;
- 适用于爆炸性环境1区、2区、21区、22区等场所;
- 适用于环境温度：-40℃~+60℃。
- Applied to the lighting indication of “TD/PM” circle for helideck.
- Explosive hazardous atmosphere Zone 1, Zone 2, Zone 21, Zone 22.
- Suitable for temperature of -40℃~+60℃.



产品特性 Features

- 壳体采用优质海工铝，适用于海洋环境;
- LED黄色光源，寿命长达10万小时;
- 可通过控制系统，对灯具发出调光指令，实现灯具标准亮和明亮的切换;
- 专业光学软件设计的二次配光系统，符合CEN437标准要求。
- Enclosure uses high quality maritime aluminum alloy, which is applied to the ocean environment.
- LED yellow light source, service life is up to 100000 hours.
- Standard light and bright light of light fittings can be switched through controlling the system and the dimming instruction of light fittings.
- Professional optics software designed secondary light distribution system, conform to CEN437 standard requirements.

选配表 Selection table

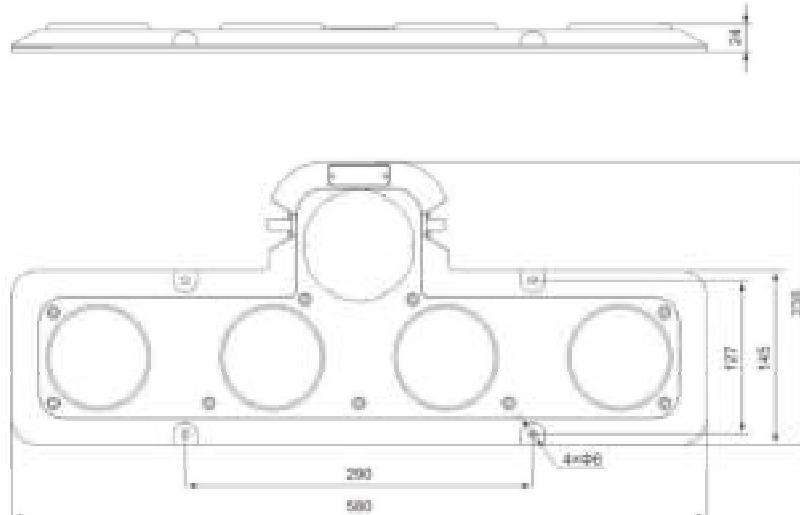
型号 Type	额定电压(V) Rated voltage	额定功率(W) Rated power	发光颜色 Lamp colour	防护等级 Degree of protection	重量(kg) Weight
HDL-C	16V~32V DC	<4W	黄色 Yellow	IP66/IP67/IP69	3.5

- 如需其他特殊要求，订货时请注明。
- If other special requirements are needed, please specify when ordering.

技术参数 Technical parameters

执行标准 Conformity to standards		IEC60079, EN60079, GB3836, GB12476, CCS入级规范 (CCS standard), CAP437		
防爆标志 Ex-Mark	GB	Ex db eb IIC T6 Gb Ex ID A21 IP66/IP67 T80°C		
	IECEx	Ex db eb IIC T6 Gb Ex tb IIC T80°C Db IP66/IP67		
	ATEX	II 2 G Ex db eb IIC T6 Gb II 2 D Ex tb IIC T80°C Db IP66/IP67		
环境温度 Ambient temperature		-40°C~+60°C		
光源类型 Light source		LED		
发光强度 Light intensity	仰角 (Elevation)	0°~10°	>10°~20°	>20°~90°
	光强 (Intensity)Max	60cd	45cd	15cd
防护等级 Degree of protection		IP66/IP67/IP69		
防腐等级 Corrosion-proof		WF2		
进线规格 Cable entry		4×1.0mm ²		

外形尺寸 Outline dimension





应用场景 Application

- 适用于海洋平台边界指示；
- 适用于直升机平台助降信号边界指示；
- 适用于爆炸性环境1区，2区，21区，22区等场所；
- 适用于环境温度：-40℃~+60℃。
- Used to indicate the boundary of marine platform;
- Used as perimeter light in helicopter landing aid system.
- Explosive hazardous atmosphere Zone 1, Zone 2, Zone 21, Zone 22.
- Suitable for temperature of -40℃~+60℃.



产品特性 Features

- 壳体采用316不锈钢精铸而成，精加工后表面喷塑，防腐属性；
- LED绿色光源，寿命长达10万小时；
- 专业光学软件设计的二次配光系统，符合CAP437标准要求；
- Enclosure is precision casting by 316 stainless steel, powder coated on surface after finish machining, strong corrosion resistance.
- LED green light source, service life is up to 100000 hours.
- Professional optics software designed secondary light distribution system, conform to CAP437 standard requirements.

选配表 Selection table

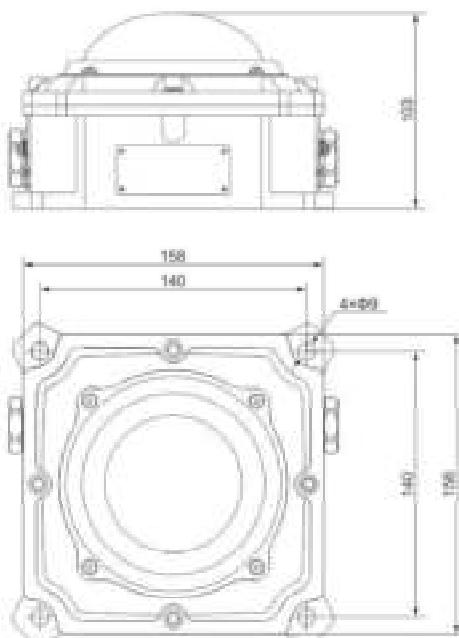
型号 Type	额定电压(V) Rated voltage	额定功率(W) Rated power	发光颜色 Lamp colour	防护等级 Degree of protection	重量(kg) Weight
HDL-P2.4	96V~256V AC 50/60Hz 16V~32V DC	2.4W	绿色 Green	IP66/IP67	3.5
HDL-P5.6		5.6W	蓝色 Blue		
HDL-P2.5		2.5W	黄色 Yellow		
HDL-P2.5		2.5W	红色 Red		

- 如需其他特殊要求，订货时请注明。
- If other special requirements are needed, please specify when ordering.

技术参数 Technical parameters

执行标准 Conformity to standards		IEC60079, EN60079, GB3836, GB12476, CCS入级规范 (CCS standard), CAP437		
防爆标志 Ex-Mark	GB	Ex d IIC T6 Gb Ex ID A21 IP66/IP67 T80°C		
	IECEx	Ex db eb IIC T6 Gb Ex tb IIIC T80°C Db IP66/IP67		
	ATEX	II 2 G Ex db eb IIC T6 Gb II 2 D Ex tb IIIC T80°C Db IP66/IP67		
环境温度 Ambient temperature		-40°C~+60°C		
光源类型 Light source		LED		
发光强度 Light intensity	仰角 (Elevation)	0°~10°	>10°~20°	>20°~90°
	光强 (Intensity)Max	30~60cd	15~60cd	3~60cd
防护等级 Degree of protection		IP66/IP67		
防腐等级 Corrosion-proof		WF2		
电缆引入口 Cable entry		2×M20×15堵头(黄铜镀镍), 推荐配2×DQM-110II Exm, M20×15 格兰(黄铜镀镍), 适用于Φ9~Φ16电缆 2×M20×13 plug (Nickel plated brass). 2×DQM-110II Exm. M20×15 gland (Nickel plated brass) is recommended. suitable for Φ9~Φ16mm cable		
接线端子 Terminal		3×1.5~4mm ²		

外形尺寸 Outline dimension





应用场景 Application

- 适用于直升机平台定位照明；
- 适用于爆炸性环境1区、2区、21区、22区等场所；
- 适用于环境温度：-40℃~+60℃。
- Used for position lighting on helideck;
- Explosive hazard atmosphere Zone 1, Zone 2, Zone 21, Zone 22.
- Suitable for temperature of -40°C~+60°C.



产品特性 Features

- 壳体采用海工铝，经防腐处理后表面喷塑；
- LED白色光源，寿命不低于6万小时；
- 内装恒压恒流驱动电源，宽电压输入，恒功率输出，启动快，性能稳定，防浪涌、过流、开路、短路等保护功能；
- 可选配遮光罩。
- Enclosure uses marine aluminum alloy, powder coated on surface after preservative treatment;
- LED white light source, service life is up to 60000 hours;
- In-built constant voltage constant current driving power, wide voltage input, constant power output, fast start, stable performance, surge resistance, overcurrent, open circuit, short circuit, etc. protection function.
- Diffuser is optional.

选配表 Selection table

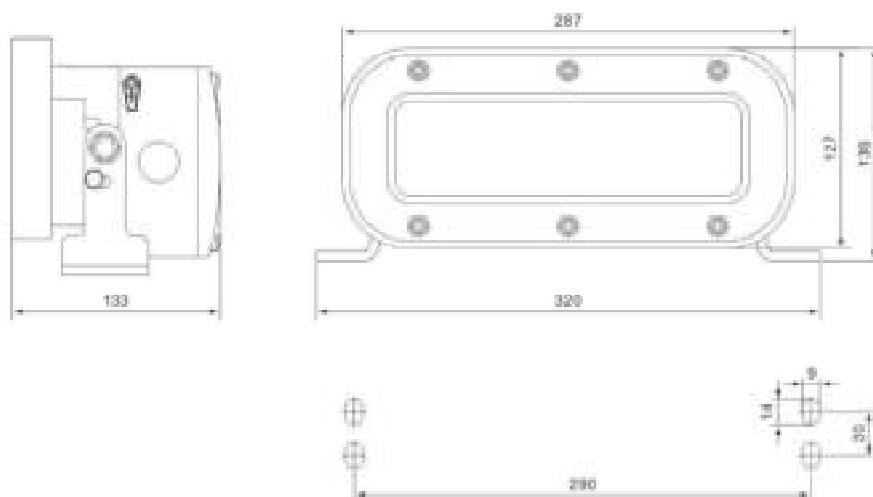
型号 Type	额定电压(V) Rated voltage	额定功率(W) Rated power	光通量(lm) Luminous flux	防护等级 Degree of protection	重量(kg) Weight
HDL-F	100V~240V AC 50/60Hz	40	2800	IP66/IP67	4.0

- 产品出厂时不配防爆电缆夹紧密封接头。如有需求，订货时请注明；
- 如果其他特殊要求，订货时请注明。
- The product is supplied without explosion-proof cable gland. If needed, please specify when ordering.
- If other special requirements are needed, please specify when ordering.

技术参数 Technical parameters

执行标准 Conformity to standards	IEC60079, EN60079, GB3836, GB12476, CCS入级规范 (CCS standard)
防爆标志 Ex-Mark	GB Ex d e mb IIC T5/T4 Gb Ex II A21 IP66/IP67 T95°C/T130°C
	IECEx Ex db eb mb op is IIC T5/T4 Gb Ex op is tb IIIC T95°C/T130°C Db IP66/IP67
	ATEX II 2 G Ex db eb mb op is IIIC T5/T4 Gb II 2 D Ex op is tb IIIC T95°C/T130°C Db IP66/IP67
环境温度 Ambient temperature	-40°C~+60°C
光源类型 Light source	LED
色温 Color temperature	5700K ± 250K
显色指数 Color rendering index	Ra ≥ 70
防护等级 Degree of protection	IP66/IP67
防腐等级 Corrosion-proof	WF2
电缆引入口 Cable entry	2×M25×1.5堵头(铝合金), 推荐配2×DQM-I/I/II Exn, M25×1.5法兰(黄铜镀镍), 适用于Φ12.5~Φ20.5mm电缆 2×M25×1.5 plug (Aluminum alloy), 2×DQM-I/I/II Exn, M25×1.5 gland (Nickel plated brass) is recommended, suitable for Φ12.5~Φ20.5mm cable
接线端子 Terminal	3×1.5~4mm ²

外形尺寸 Outline dimension



应用场景 Application

- 适用于直升机平台状态指示;
- 适用于爆炸性环境1区、2区、21区、22区等场所;
- 适用于环境温度：-40℃~+60℃。
- Used as status light on helideck;
- Explosive hazard atmosphere Zone 1, Zone 2, Zone 21, Zone 22.
- Suitable for temperature of -40℃~+60℃.



产品特性 Features

- 壳体采用高工铝，经防腐处理后表面喷塑;
- 专业光学软件设计的二次配光系统，配光合理;
- 通过控制系統，对灯具发出指令，红色LED光源闪烁，显示危险状态。
- Exposure uses marine aluminum alloy, powder coated on surface after preservative treatment.
- Professional optics software designed secondary light distribution system, reasonable light distribution.
- Through the control system, status instructions are given to the lamps. The red LED light source flashes and gives warning signals.

选配表 Selection table

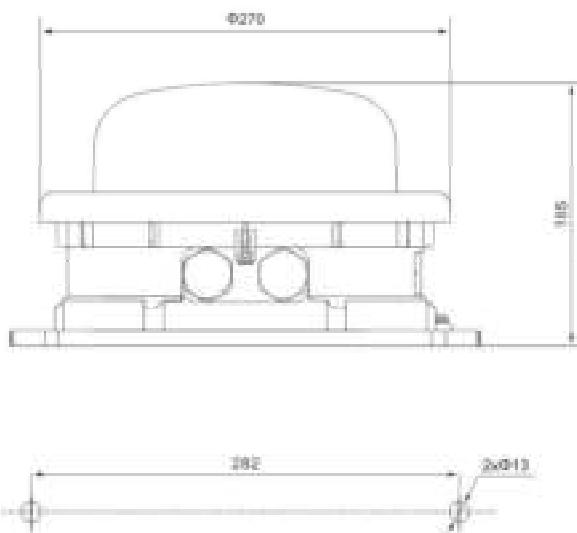
型号 Type	额定电压(V) Rated voltage	额定功率(W) Rated power	防护等级 Degree of protection	重量(kg) Weight
HDL-S	100V~277V AC 50/60Hz	≤60	IP66	9.5

- 产品出厂时不配防爆电缆夹紧密封插头，如有需求，订货时请注明;
- 如需其他特殊要求，订货时请注明。
- The product is supplied without explosion-proof cable gland. If needed, please specify when ordering.
- If other special requirements are needed, please specify when ordering.

技术参数 Technical parameters

执行标准 Conformity to standards	IEC60079, EN60079, GB3836, GB12476, CCS入级规范 (CCS standard)
防爆标志 Ex-Mark	Ex d IIC T6 Ga Ex d A21 IP66 T80°C
环境温度 Ambient temperature	-40°C~+60°C
光源类型 Light source	LED
防护等级 Degree of protection	IP66
防腐等级 Corrosion-proof	WF2
电缆引入口 Cable entry	2×M25×1.5堵头(铝合金), 推荐配2×DQM-II/III Exd, M25×1.5法兰(黄铜镀镍), 适用于Φ12.5~Φ20.5mm电缆 2×M25×1.5 plug (Aluminum alloy), 2×DQM-II/III Exd, M25×1.5 gland (Nickel plated brass) is recommended, suitable for Φ12.5~Φ20.5mm cable
接线端子 Terminal	4 × 1.5~4mm ²

外形尺寸 Outline dimension





应用场景 Application

- 适用于直升机平台微风向指示之用；
- 适用于爆炸性环境1区、2区、21区、22区等场所；
- 适用于环境温度：-40℃~+55℃。
- Used for indicating the wind direction on helideck;
- Explosive hazardous atmosphere Zone 1, Zone 2, Zone 21, Zone 22.
- Suitable for temperature of -40°C~+55°C.



产品特性 Features

- 不锈钢316骨架；灯具为海工铝材质，防腐处理后表面喷塑；
- LED白色光源，寿命长达6万小时；
- 活动滑环结构，随风向水平360°自由旋转。
- Stainless steel 316 framework, lamp is of marine aluminum alloy, powder coated on surface after preservative treatment.
- LED white light source, service life is up to 60000 hours.
- Flexible slip ring structure, horizontal 360° free rotation with wind.

选配表 Selection table

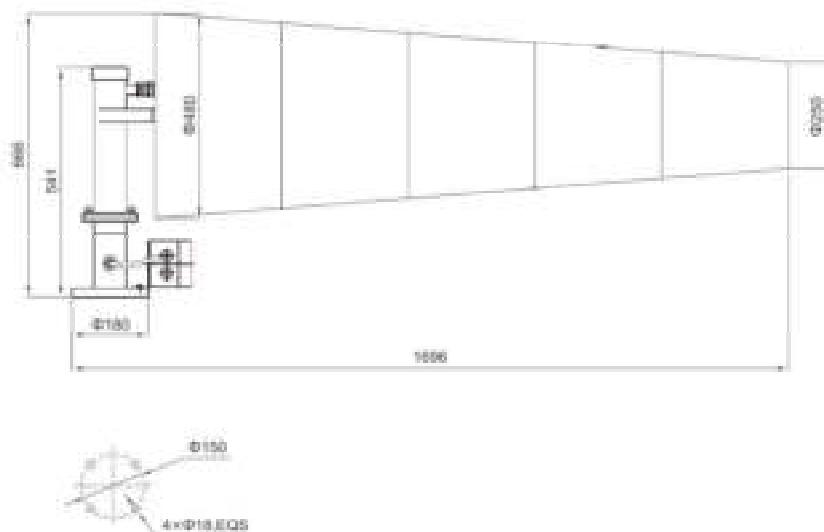
型号 Type	额定电压(V) Rated voltage	额定功率(W) Rated power	防护等级 Degree of protection	重量(kg) Weight
HDL-W	100V~275V AC 50/60Hz 12V~48V DC	9	IP66	20.0

- 产品出厂时不配防爆电缆头及密封插头，如有需求，订货时请注明；
- 如需其他特殊要求，订货时请注明。
- The product is supplied without explosion-proof cable gland. If needed, please specify when ordering.
- If other special requirements are needed, please specify when ordering.

技术参数 Technical parameters

执行标准 Conformity to standards		IEC60079, EN60079, GB3836, GB12476, CCS入级规范 (CCS standard)
防爆标志 Ex-Mark	GB	Ex d IIC T6 Gb / Ex tD A21 IP66 T80°C
	IECEx	Ex db eb op ia IIC T6 Gb Ex tb op ia IIC T80°C Db IP66
	ATEX	Ex II 2 G Ex db eb op ia IIC T6 Gb Ex II 2 D Ex tb op ia IIC T80°C Db IP66
环境温度 Ambient temperature		-40°C~+55°C
光源类型 Light source		LED
色温 Color temperature		5700K ± 250K
显色指数 Color rendering index		Ra ≥ 70
防护等级 Degree of protection		IP66
防腐等级 Corrosion-proof		WF2
电缆引入口 Cable entry		2×M25×1.5堵头(塑料), 推荐配2×DQM-1B/II Exd, M25×1.5格兰(黄铜镀镍), 适用于Φ12.5~Φ20.5mm电缆 2×M25×1.5 plug (Plastic). 2×DQM-1B/II Exd, M25×1.5 gland (Nickel plated brass) is recommended. suitable for Φ12.5~Φ20.5mm cable
接线端子 Terminal		3×1.5~4mm ²

外形尺寸 Outline dimension



应用场景 Application

- 适用于直升机平台助降信号灯系统控制；
- 适用于爆炸性环境1区、2区、21区、22区等场所；
- 适用于环境温度：-40℃→+55℃。
- Used for controlling the signal lights of helideck landing aid system;
- Explosive hazardous atmosphere Zone 1, Zone 2, Zone 21, Zone 22;
- Suitable for temperature of -40℃→+55℃.



产品特性 Features

- 壳体采用海工专用铝合金压铸成型，经特殊防腐处理后表面喷塑，也可定制不锈钢或优质铜；
- 控制系统对灯具控制线路具有断路、短路、过载等保护功能，可把信息反馈至控制系统并报警。控制箱上配有手动报警装置，预防突发性的不可自动报警功能；
- 控制箱可实现手动、远程切换功能，可实现现场和远程操作，并显示各种动作状态和故障，远程可选配控制面板显示；
- 对状态灯烟雾报警、系统报警可实现自动与手动控制；
- 常规额定电压为220/230V AC 50/60Hz，也可按现场需要定制24V DC，均双路供电，正常电源故障时，自动切换到备用电源继续工作，同时发出报警信号；
- 控制系统满足电磁兼容性能，保证系统正常运行；
- 直升机平台控制箱，控制整个助降信号灯系统，也可将Circle-H灯系统作为一个独立的单元，定制控制箱；
- 可根据用户需要定制非防爆型控制箱，材质为不锈钢或优质铜，型号为FXK。
- Enclosure is made of maritime special aluminum alloy, powder coated surface after special corrosion-proof treatment, can also be made of stainless steel or carbon steel material.
- Control system has protection functions of open circuit, short circuit, overload, etc. in control circuit of light fitting, which can reflect information to control system and alarm. There is manual warning device on the control box, which can prevent sudden non automatic warning function.
- Control box can realize manual and remote switching function, field and remote operation, also display all kinds of activity status and faults, control panel is optional for remote displaying.
- Smoke alarm and system alarm of status lamp can be realized control automatically and manually.
- Conventional rated voltage is 220/230V AC 50/60Hz, can also be customized 24V DC, which are double-circuit feeding, when there is fault of normal power supply, it will switch to emergency power supply automatically and warning.
- Control system meets EMC performance, ensure the normal operation of the system.
- Helideck control box controls the whole landing aid signal light system, Circle-H light system can be a single unit to customize control box.
- Non explosion-proof control box can be customized according to the requirements of customers, material is stainless steel or carbon steel, the type is FXK.

选配表 Selection table

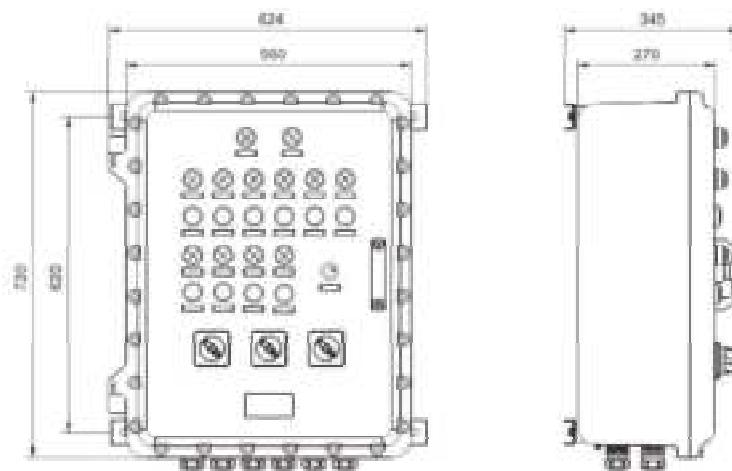
型号 Type	额定电压(V) Rated voltage	额定电流(A) Rated current	防爆标志 Ex-Mark	进线接口方向 Inlet direction
BXK	380V/220V AC 50/60Hz 24V DC	≤100	Ex d IIIB T6 Gb Ex tD A21 IP66 T80°C	下进下出或按用户要求 Bottom entry or upon user's request

- 产品出厂时不配防爆电缆夹紧密封接头，如有需求，订货时请注明；
- 如需其他特殊要求，订货时请注明。
- The product is supplied without explosion-proof cable gland. If needed, please specify when ordering.
- If other special requirements are needed, please specify when ordering.

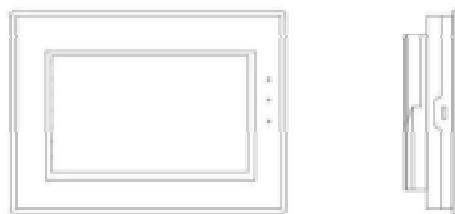
技术参数 Technical parameters

执行标准 Conformity to standards	IEC60079, EN60079, GB3836, CCS入级规范 (CCS standard)
防爆标志 Ex-Mark	Ex d II B T6 Gb / Ex tD A21 IP66-T80°C
额定电压 Rated voltage	380V/220V AC 50/60Hz, 24V DC
额定电流 Rated current	≤ 100A
防护等级 Degree of protection	IP66
防腐等级 Corrosion-proof	WF2
进出线口方向 Inlet outlet direction	下进下出或按用户要求 Bottom entry or upon user's request

外形尺寸 Outline dimension



BXX



控制面板 Control panel

注：本图仅供参考，根据用户实际要求定制。

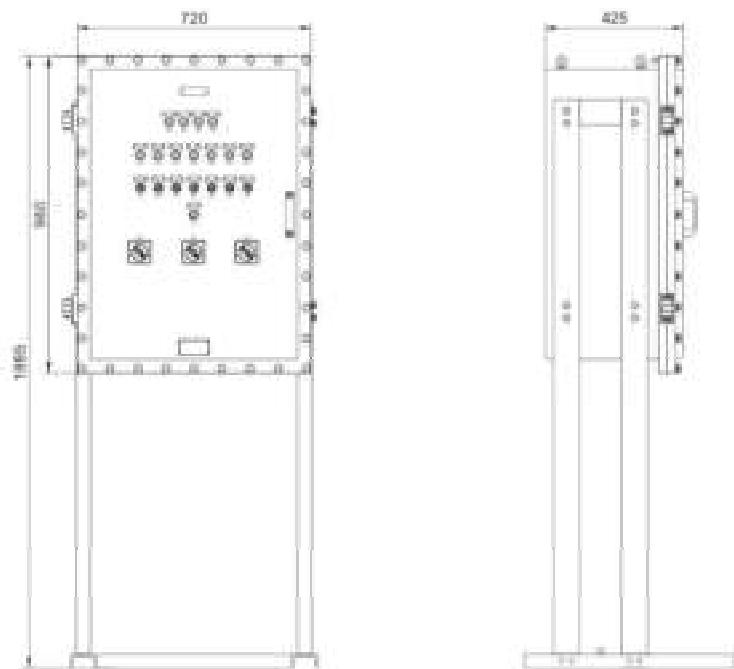
The drawing is only for reference, it can be customized according to the requirements of customers.

F

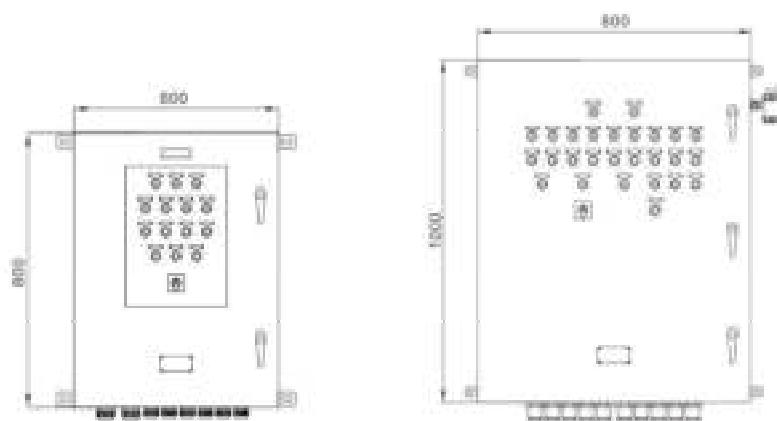
BXK 防爆控制箱

BXK Explosion-proof Control Panel

外形尺寸 Outline dimension



BXM(D)8061



FXK(Circle-H)

FXK

注：本图仅供参考，根据用户实际要求定制。

The drawing is only for reference. It can be customized according to the requirements of customers.



防爆监视控制系统

EXPLOSION-PROOF SUPERVISORY CONTROL
SYSTEM

打造一流船用和海工品牌

Create
A Famous Marine & Offshore
Products Brand



典型组网(拓扑图) Typical networking (topology diagram)





监视设备
Supervisory equipment



办公网络
Office network



BLK-YT/B
防爆一体式摄像仪
Explosion-proof
integrated-camera



BLK-YT/BD
防爆一体式摄像仪
Explosion-proof
integrated-camera

应用层 Application layer

- 应用网络监控架构，通过视频综合管理平台、存储服务器、流媒体服务器等软硬件设备对前端实现控制，对数据进行分析、处理、存储，并可根据分析结果执行报警、设备联动等逻辑。
- It analyzes, processes, and stores data, and executes alarms, equipment linkage control and other plans based on the analysis results, by utilizing the network supervisory control architectures, and controlling the front-end via the video integrated management platform, storage server, streaming media server and other software & hardware devices.

网络层 Network layer

- 由中国电信、移动或联通等运营商的光纤和无线网络及企业自己的监控专网组成，实现前端设备与应用层的数据传输。
- It is composed of optical fiber and wireless networks of operators such as China Telecom, China Mobile, or China Unicom, as well as the private supervisory control network of the company, realizing data transmission between front-end equipment and the application layer.

感知层 Perception layer

- 对现场图像实时高清监控，为后端控制、存储、显示提供数据，为生产管理、消防检查、设备检修、事故处理、应急指挥，提供可视化信息，为事件处理提供有力依据。
- It performs real-time HD supervisory control of field images, to provide data for back-end control, storage, and display, and visual information for production management, fire control inspection, equipment maintenance, accident response, and emergency command, offering a strong basis for event handling.



系统优势 Advantages

- 1** 安全可靠: 防爆处理专家携手世界顶级安防系统制造商, 为易燃易爆场所打造安全、智能、稳定、可靠的防爆监视控制系统。
Safety and reliability: a safe, intelligent, stable and reliable explosion-proof supervisory control system developed for flammable and explosive places by the joint efforts of explosion protection experts and the world's top security system manufacturer.
- 2** 高清智能: 高清化、可视化管理, 为生产管理、消防检查、设备检修、事故处理、应急指挥提供可视化信息, 为事件处理提供有力依据。
High-definition and intelligence: HD and visualized management, providing visual information for production management, fire control inspection, equipment maintenance, accident response, and emergency command, laying a solid basis for event handling.
- 3** 物联组网: 系统可组建物联网络。接入周界入侵报警系统、消防报警系统、语音通讯系统、气体探测系统、电力控制系统等, 实现视频监控系统与各业务系统联动。
Internet of Things networking: an Internet of Things system established by the system, which can be connected to the perimeter intrusion detection system, fire alarm system, voice communication system, gas detection system, power control system, etc., achieving the linkage control between the video supervisory control system and operation systems.
- 4** 工控储存: 系统使用专业控制器架构的存储阵列产品, 超大容量、高扩展性、高安全性, 具有极高的稳定性、维护方便、成本低。
Industrial control storage: a storage array product featuring a professional controller architecture, which is high in capacity, expandability, and security, extremely high in stability, easy to maintain, and low in cost.
- 5** 智能运维: 智能化运维系统运用, 通过运用智能事件检测、视频质量诊断、视频浓缩三大类视频智能分析等功能, 满足关键场景下的智能分析需求。
Intelligent operation and maintenance: application of intelligent operation and maintenance system, which utilizes three types of intelligent video analysis functions, namely, intelligent event detection, video quality diagnosis, video-synopsis, to meet the demands of intelligent analysis in key scenarios.

系统设备配置选型表 Configuration selection table of system equipment

图例 Legend	型号规格及名称 Model specification & name	参数 Parameters	备注 Remarks
	BLK-S/G 防爆摄像仪 Explosion-proof camera	Ex d IIC T6 Gb/Ex tD A21 IP68 180°C 不锈钢壳体，隔爆止口及螺纹结构，防爆性能可靠； Stainless steel enclosure, explosion-proof seam and thread structure, which is reliable in explosion-proof performance. I型 Type I <input type="checkbox"/> II型 Type II <input type="checkbox"/>	不锈钢材质 Made of stainless steel
	BLK-S/G/G 防爆摄像仪 Explosion-proof camera	Ex d IIC T6 Gb/Ex tD A21 IP68 180°C 不锈钢壳体，隔爆止口及螺纹结构，防爆性能可靠； Stainless steel enclosure, explosion-proof seam and thread structure, which is reliable in explosion-proof performance. I型 Type I <input type="checkbox"/> II型 Type II <input type="checkbox"/>	不锈钢材质 Made of stainless steel 带红外补光功能 With IR illuminator
	BLK-QHD2000 BLK-QHD3030 BLK-QHD4030 防爆球形摄像仪 Explosion-proof spherical camera	Ex d IIC T6 Gb/Ex tD A21 ip68 380°C 200万像素，20倍光学变倍 2 million pixels, 20X optical zoom 300万像素，30倍光学变倍 3 million pixels, 30X optical zoom 400万像素，30倍光学变倍 4 million pixels, 30X optical zoom 16倍数字变倍，预置点：256个 16X digital zoom no. of preset points: 256 转动速度：水平：0.1°~350°/s 垂直：0.1°~250°/s Keying velocity: Horizontal: 0.1°~350°/s Vertical: 0.1°~250°/s	网络型 Network type 不锈钢外壳 Stainless steel enclosure
	BLK-Q/B 防爆球形摄像仪(半球) @explosion-proof spherical camera (thermographic)	Ex d IIC T6 Gb/Ex tD A21 ip68 180°C 200万像素 2 million pixels 红外补光距离10米 Range of infrared illuminator: 10m	网络型 Network type 不锈钢外壳 Stainless steel enclosure
	BLK-YT/B2020 BLK-YT/B2030 BLK-YT/B3030 防爆一体式摄像仪 Explosion-proof integrated camera	Ex d IIC T6 Gb/Ex tD A21 ip68 180°C 200万像素，20倍光学变倍 2 million pixels, 20X optical zoom 300万像素，30倍光学变倍 3 million pixels, 30X optical zoom 300万像素，30倍光学变倍 3 million pixels, 30X optical zoom 16倍数字变倍，预置点：256个 16X digital zoom no. of preset points: 256 水平转动速度：0.1°~42°/s；垂直转动速度：0.1°~42°/s Horizontal rotation speed: 0.1°~42°/s, Vertical rotation speed: 0.1°~42°/s	



防爆监视控制系统

Explosion-proof Supervisory Control System

系统设备配置选型表 Configuration selection table of system equipment

图例 Legend	型号规格及名称 Model, specification & name	参数 Parameters	备注 Remarks
	BLK-YT8D0200 BLK-YT8D2000 BLK-YT8D3000 防爆一体式摄像机 Explosion-proof integrated camera	Ex IIIC T6 Gb/Ex II A21 Ip68 T80°C 200万像素, 20倍光学变倍: 2 million pixels, 20X optical zoom 200万像素, 30倍光学变倍: 2 million pixels, 30X optical zoom 300万像素, 30倍光学变倍: 3 million pixels, 30X optical zoom 16倍数字变倍, 预置点: 256个 16X digital zoom, no. of preset points: 256 水平转动速度: 0.1°~42°/s; 垂直转动速度: 0.1°~42°/s Horizontal rotation speed: 0.1°~42°/s, Vertical rotation speed: 0.1°~42°/s 红外LED投射距离: 约100米 Infrared LED projection distance: about 100m	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 带红外 With infrared
	BLK-YT8P2000 BLK-YT8P3000 BLK-YT8P3030 防爆一体式摄像机 Explosion-proof integrated camera	Ex IIIC T6 Gb/Ex II A21 Ip68 T80°C 200万像素, 20倍光学变倍: 2 million pixels, 20X optical zoom 200万像素, 30倍光学变倍: 2 million pixels, 30X optical zoom 300万像素, 30倍光学变倍: 3 million pixels, 30X optical zoom 16倍数字变倍, 预置点: 256个 16X digital zoom, no. of preset points: 256 水平转动速度: 0.1°~42°/s; 垂直转动速度: 0.1°~42°/s Horizontal rotation speed: 0.1°~42°/s, vertical rotation speed: 0.1°~42°/s	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 液带传动 Set drive
	BLK-YT8DP2000 BLK-YT8DP3000 BLK-YT8DP3030 防爆一体式摄像机 Explosion-proof integrated camera	Ex IIIC T6 Gb/Ex II A21 Ip68 T80°C 200万像素, 20倍光学变倍: 2 million pixels, 20X optical zoom 200万像素, 30倍光学变倍: 2 million pixels, 30X optical zoom 300万像素, 30倍光学变倍: 3 million pixels, 30X optical zoom 16倍数字变倍, 预置点: 256个 16X digital zoom, no. of preset points: 256 水平转动速度: 0.1°~42°/s; 垂直转动速度: 0.1°~42°/s Horizontal rotation speed: 0.1°~42°/s, vertical rotation speed: 0.1°~42°/s 红外LED投射距离: 约100米 Infrared LED projection distance: about 100m	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 带红外 With infrared 液带传动 Set drive
	BLK-YT8B3 BLK-YT8B6 防爆一体式红外热成像仪 Explosion-proof integrated infrared thermal imager	Ex IIIC T6 Gb/Ex II A21 Ip68 T80°C 视场角/最小焦距: 12°×9°/0.5m; 像素: 384×288 Field of view/minimum focal length: 12°×9°/0.5m pixel: 384×288 视场角/最小焦距: 25°×19°/0.3m; 像素: 640×480 Field of view/minimum focal length: 25°×19°/0.3m pixel: 640×480 水平转动速度: 0.1°~42°/s; 垂直转动速度: 0.1°~42°/s Horizontal rotation speed: 0.1°~42°/s, vertical rotation speed: 0.1°~42°/s 可见光参数: 200万像素, 30倍光学变倍, 16倍数字变倍, Parameters of visible light: 2 million pixels, 30X optical zoom, 16X digital zoom 预置点: 256个 No. of preset points: 256 测温精度: ±0.1°C, 具有温度报警功能 Temperature measurement accuracy: ±0.1°C, temperature alarm function	<input type="checkbox"/> <input type="checkbox"/> 双目 Binocular
	WR0000-MS 防爆智能无线装置 Explosion-proof intelligent wireless device	Ex IIIB T6 Gb ; Ex II A21 Ip66 T80°C Ex IIIC T6 Gb/Ex II A21 Ip68 T80°C 支持WIFI标准 Support WiFi standard 支持IEEE 802.11abgn Support IEEE 802.11abgn 支持以太网标准: IEEE 802.3/30/31/35 Support Ethernet standard: IEEE 802.3/30/31/35 以太网接口: 1个10/100/1000Mbps Ethernet interface: 1, 10/100/1000Mbps	<input type="checkbox"/>

系统设备配置选型表 Configuration selection table of system equipment

图例 Legend	型号规格及名称 Model specification & name	参数 Parameters	备注 Remarks
实物图	BUK-G 防爆光端机 Explosion-proof optical transmitter and receiver	Ex d II B T6 Gb/Ex e I D A21 ip66 T80°C Ex d II C T6 Gb/Ex e I D A21 ip68 T80°C 外表面抛光(不锈钢) Polished at surface (stainless steel) 高电压静电喷塑(铝合金) High voltage electrostatic spraying (aluminum alloy) 防爆防腐性能好 Excellent anti-explosion and anti-corrosion performance	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
实物图	FJK-S 星光级网络红外摄像机 Starlight network IR gun camera	200万像素 2 million pixels 400万像素 4 million pixels	<input type="checkbox"/> <input type="checkbox"/>
实物图	FJK-Q 星光级智能高清球形 网络摄像机 Starlight intelligent HD spherical network camera	200万像素 2 million pixels 400万像素 4 million pixels	<input type="checkbox"/> <input type="checkbox"/>
实物图	BUJG3 防爆防腐接线箱 Explosion-proof and anti-corrosion junction box	Ex d II B T6 Gb/Ex e I D A21 ip66 T80°C Ex d II C T6 Gb/Ex e I D A21 ip68 T80°C Ex e II C T6 Gb/Ex e I D A21 ip68 T80°C	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
实物图	YT1 半固定云台 Semi-fixed head	与ZJ001及BUK-S/GT、BUK-SQD/GT/BUK-SL系列配套使用 Used with ZJ001 and BUK-S/GT, BUK-SQD/GT or BUK-SL series products.	
实物图	ZJ001 安装支架 Mounting bracket	与YT1及BUK-S系列配套使用 Used with YT1 and BUK-S series products.	
实物图	ZJ002 安装支架 Mounting bracket	与BUK-YT系列配套使用 Used with BUK-YT series products.	
实物图	ZJ003 安装支架 Mounting bracket	与BUK-QHD系列配套使用 Used with BUK-QHD series products.	壁装 Wall mounted
实物图	ZJ004 安装支架 Mounting bracket	与BUK-QHD系列配套使用 Used with BUK-QHD series products.	吊装 Ceiling mounted



防爆监视控制系统

Explosion-proof Supervisory Control System

后端设备配置选型表 Configuration selection table of back-end equipment

图例 Legend	型号规格及名称 Model, specification & name	参数 Parameters	备注 Remarks
	大屏幕拼接系统 Large screen splicing system	高分辨率拼接显示，可实现图像任意拼接图像叠加、漫游、透镜功能。支持联控、图像处理系统、矩阵等设备，支持信号轮选、预案管理、高清底图、滚动字幕等功能。 High-resolution splicing display, allowing for overlay, roaming, and displaying perspective view of the spliced images, capable to work together with joint control, image processing system, matrix and other equipment, supporting signal cycle, pre-plan management, high-definition base maps, rolling subtitles and other functions.	
	HR-JCJ28000 网络数字高清矩阵 Network digital HD matrix	支持VGA、HDMI/DVI输入 Support VGA, HDMI and DVI input. 支持MPEG4/H.264/H.265/MJPEG标准网络视频流解码 Decoding of MPEG4/H.264/H.265/MJPEG standard network video streams. 支持多个DVI，多个HDMI输出 Support multiple DVI and multiple HDMI outputs. 支持2x2, 2x3, 4x4拼接模式等 Support 2x2, 2x3, 4x4 splicing modes, etc.	
	网络键盘 Network keyboard	采用10.2英寸800x480的触摸式液晶屏，支持WIFI。 Adopts 10.2 inch 800x480 touch LCD screen, supports WiFi. 支持网络方式接入DVR、EVS、MVR、解码器、视频综合平台、网络摄像机、网络球、DSS系列平台软件。 Support access via network to DVR, EVS, MVR, decoder, video integrated platform, IP camera, PTZ IP camera, DSS series platform software.	
	HR-NVR8000 网络硬盘录像机 Network hard disk recorder	支持1080P高清预览 Support 1080P HD preview. 支持TV、VGA、HDMI同步输出 Support synchronous output of TV, VGA, HDMI. 支持视频压缩标准：H.265/H.264/M-JPEG/MJPEG/JPEG Compatible video compression standards: H.265/H.264/M-JPEG/MJPEG/JPEG	
	视频存储服务器 Video storage server	网络视频存储服务器，是集成了视频流协议以及iSCSI协议的综合性网络存储系列产品。采用3U19寸盘位机箱设计，支持扩展柜多级联接。整机提供128路2M码流存储及转发能力。 The network video storage server is a comprehensive network storage array product that integrates video streaming protocol and iSCSI protocol. It adopts 3U19 inch bay chassis design and supports multi-stage cascade connection of expansion cabinet, capable to provide 128 channels of 2M data rate storage and forwarding in total. 是针对小型一体化多业务的应用环境推出的网络视频存储设备，为各种视频监控系统提供高性价比的解决方案。 It is a network video storage device oriented for small integrated multi-service application environments, providing cost-effective solutions for a wide range of video supervisory control systems.	
	VRIDMS 智能监控系统管理平台 Intelligent monitoring system management platform	全新的架构的平台一体化产品，集主控、转发、存储、管理于一身，具有建设成本低、部署迅速容易、组合扩展灵活、性能强悍及安全稳定性可靠等特点，多核处理器可管理不少于500台设备广泛应用于公安、金融、能源、教育等行业，是构建安防监控解决方案的核心产品。 It's a platform integrated product with a new architecture, integrating master control, forwarding, storage, and management, featuring low construction cost, ease in deployment and operation & maintenance, flexibility in combination & expansion, powerful performance, and security, stability, and high reliability. The multi-core processor can manage no less than 500 devices, widely used in public security, finance, energy, education and other industries, and is the core product for security and supervisory control solutions.	

BJK-S 系列防爆摄像仪

BJK-S Series explosion-proof camera



BJK-S/C



BJK-S/GD

BJK-S /

焦距参数(或者光学变倍参数)

Focal length parameter (or optical zoom parameter)

像素参数 Pixel parameters

产品规格代号 Product specification code:

I: 4倍光学变倍 4 times optical zoom

II: 23/30倍光学变倍 23/30 times optical zoom

T: 特殊定制 Customized

红外灯代码 Infrared light code:

D: 带红外功能 Featuring infrared function

不带不注 No code marked if such feature is not available

功能代码 Function code:

R: 热像仪 Thermal imager

常规可见光产品不注

No code marked for conventional visible-light products

材质代码 Material code:

G: 表示不锈钢 Indicating stainless steel

L: 表示铝合金 Indicating aluminum alloy

摄像仪 Camera

防爆监控系列 Explosion-proof supervisory control series

BJK-YT 系列防爆一体式摄像仪

BJK-YT Series explosion-proof integrated camera



BJK-YT/B



BJK-YT/BD

BJK-YT /

焦距参数(或者光学变倍参数)

Focal length parameter (or optical zoom parameter)

像素参数 Pixel parameters

信号输出方式代码 Signal output mode code:

X: 带网络电口 With network electrical interfaces

带网络电口不注 Not marked if such feature is not available

传动方式代码 Drive mode code:

P: 纯皮带传动 Belt drive only

不注为齿轮传动 Not marked for gear drive

红外灯代码 Infrared light code:

D: 带红外功能 Featuring infrared function

不带不注 No code marked if such feature is not available

产品规格代号 Product specification code:

B: 变速云台(0.1~42°/s) Variable-speed PTZ (0.1~42°/s)

一体式摄像机 Integrated camera

防爆监控系列 Explosion-proof supervisory control series



BJK-S/G 防爆摄像仪

BJK-S/G Explosion-proof Camera



ABS

Ex

IP
68

应用场景 Application

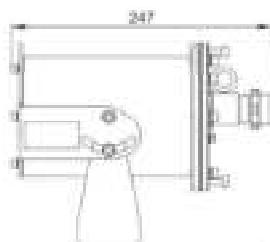
- 广泛应用于海洋工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域监控之用；
- 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- 适用于爆炸性危险环境1区、2区、21区、22区等场所。
- Widely used for the supervisory control on various marine platforms, chemical tankers, LNG ships and hazardous cargo wharfs, etc.
- Can reliably work in severe environment exposed in moisture, vibration or corrosion.
- Explosive hazardous atmosphere Zone 1, Zone 2, Zone 21, Zone 22.



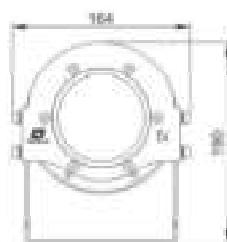
产品特性 Features

- 防爆摄像仪采用隔壁型结构，内部根据用户使用要求可以安装带定焦或变焦镜头的摄像机，也可以安装一体化摄像机，通过系统组合后实现现场扫描传递、即时录像传递或即时录影储存、远端网上传输图像等功能；
- 壳体材质选用优质不锈钢，具有防水、防尘、防腐、耐高温、耐老化的性能；
- 防爆处理采用止口接合面，防爆性能可靠；
- 前窗玻璃采用高透光率钢化平板玻璃，成像清晰无变形；
- 内部可选装有智能加热和降温装置，当温度高于 $25^{\circ}\text{C}+5^{\circ}\text{C}$ 时散热风扇自动工作；温度低于 $8^{\circ}\text{C}-5^{\circ}\text{C}$ 时加热元件自动工作，保证腔内部温度；
- 防护等级IP68，适合室内、室外安装，全天候使用；
- 可选配：安装附件 ZJ001壁装支架。
- The explosion-proof camera adopts an explosion-proof construction, inside which camera with prime or zoom lens or an integrated camera can be installed according to user requirements. After assembled, it can realize on-site scanning transmission, instant camera transmission or instant video storage, remote network transmission of images and other functions.
- The enclosure is made of high-quality stainless steel, which provides waterproof, dustproof, anticorrosive protection, high temperature resistance and aging resistance.
- Seam joint surface is adopted for anti-explosion protection, offering reliable anti-explosion performance.
- High transmittance tempered flat glass is used as the front glass, realizing clear imaging without distortion.
- Intelligent heating and cooling devices are optional inside. When the temperature is higher than $25^{\circ}\text{C}+5^{\circ}\text{C}$, the radiator fan will work automatically; when the temperature is lower than $8^{\circ}\text{C}-5^{\circ}\text{C}$, the heating element will run automatically to ensure the internal temperature of the chamber.
- Protection rating of IP68, suitable for indoor and outdoor installation, and all-weather-proof.
- Optional: the installation accessory ZJ001 wall mount bracket.

外形尺寸 Outline dimension



BJK-S/G



安装尺寸
Installed dimensions

技术参数 Technical parameters

参数 Parameters	BJK-S/G 2004	BJK-S/G 3004	BJK-S/G 4004
防爆参数 Explosion-proof parameters			
执行标准 Executive standards	GB3836.1, GB3836.2, GB12476.1, GB12476.5, IEC60079-0, IEC60079-1, IEC61241-0, IEC61241-1, EN60079-0, EN60079-1, EN61241-0, EN61241-1		
防爆标志 Explosion-proof mark	Ex d II C T6 Gb / Ex tD A21 IP68 T80°C		
防护等级 Protection rating	IP68		
防腐等级 Corrosion-proof grade	WF2		
机械指标 Mechanical indicators			
材质 Material	304不锈钢或者316L 304 stainless steel or 316L		
水平转动 Horizontal rotation	水平30°手动调整 30°(horizontally) by manual adjustment		
垂直转动 Vertical rotation	± 60° 手动调整 ±60° by manual adjustment		
安装方式 Installation methods	固定支架、基座、立柱 Fixing brackets, base, upright posts		
电气指标 Electrical indicators			
输入电压 Input voltage	12V DC / 24V AC / 220V AC		
环境温度 Ambient temperature	-40°C ~ +60°C		
透头 Through head	标准配置规格为2×M20×1.5, 其它规格请注明 The standard configuration specification is 2 × M20 × 1.5, and other specifications if used shall be specified		
电缆外径 Cable OD	适合Φ9mm~Φ16mm电缆 Suitable for Φ9mm~Φ16mm cables		
产品重量 Weight	5kg		
摄像机 Camera			
传感器类型 Sensor type	1/2.8" progressive Scan CMOS	1/2.8英寸CMOS 12.0" CMOS	1/2.7英寸CMOS 12.0" CMOS
最大分辨率 Maximum resolution	200W	300W	400W
日夜转换 Day/Night function	ICR滤片式 ICR filter	IR-CUT自动切换 IR-CUT automatic switching	IR-CUT自动切换 IR-CUT automatic switching
镜头接口 Lens interface	G/CS	G/CS	G/CS
最低照度 Minimum illumination	彩色: <0.001lx(AGC ON) 黑白: <0.0001lx(AGC ON); Color: <0.001 lx (AGC ON) Black and white: <0.0001 lx (AGC ON)	彩色: <0.001lx(AGC ON) 黑白: <0.0001lx(AGC ON); Color: <0.001 lx (AGC ON) Black and white: <0.0001 lx (AGC ON)	彩色: <0.001lx(AGC ON) 黑白: <0.0001lx(AGC ON); Color: <0.001 lx (AGC ON) Black and white: <0.0001 lx (AGC ON)
视频编码标准 Video coding standard	H.265/H.264; H.264B;JPEG	H.265/H.264/H.264H; H.264B;JPEG	H.265/H.264/H.264H; H.264B;JPEG
宽动态 Wide dynamic range	≥120dB	≥120dB	120dB
信噪比 Signal to noise ratio	> 56dB	> 56dB	> 56dB
焦距 Focal length	2.8~12mm(电动变焦) 2.8-12mm (electronic zoom)	2.7~12mm	2.7~12mm



BJK-S/GD 防爆摄像仪

BJK-S/GD Explosion-proof Camera



应用场景 Application

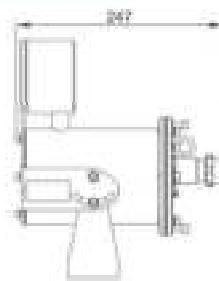
- 广泛应用于海洋工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域监控之用。
- 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- 适用于爆炸性危险环境1区、2区、21区、22区等场所。
- Widely used for the supervisory control on various marine platforms, chemical tankers, LNG ships and hazardous cargo wharfs, etc.
- Can reliably work in severe environment exposed in moisture, vibration or corrosion.
- Explosive hazardous atmosphere Zone 1, Zone 2, Zone 21, Zone 22.



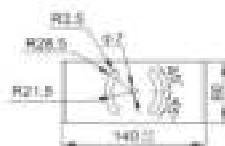
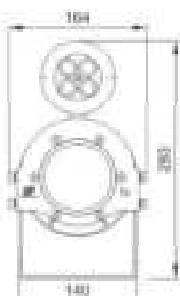
产品特性 Features

- 防爆摄像仪采用隔爆型结构，带红外补光功能，内部根据用户使用要求可以安装带定焦或变焦镜头的摄像机，也可以安装一体化摄像机，通过系统组合后实现现场扫描传递、即时摄像传递或即时录影储存、远端网上传输图像等功能；
- 壳体材质选用优质不锈钢，具有防水、防尘、防腐、耐高温、耐老化的性能；
- 防爆处理采用止口接合面，防爆性能可靠；
- 前端玻璃采用高透光率钢化平板玻璃，成像清晰无变形；
- 可选配智能加热和降温装置，当温度高于 $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$ 时散热风扇自动工作；温度低于 $8^{\circ}\text{C} \pm 5^{\circ}\text{C}$ 时加热元件自动工作，保证腔内部温度；
- 防护等级IP68，适合室内、室外安装，全天候使用；
- 可选配：安装附件 ZJ001壁装支架。
- The explosion-proof camera adopts an explosion-proof construction, inside which cameras with prime or zoom lens or an integrated camera can be installed according to user requirements. After assembled, it can realize on-site scanning transmission, instant camera transmission or instant video storage, remote network transmission of images and other functions.
- The enclosure is made of high-quality stainless steel, which provides waterproof, dustproof, anticorrosion protection, high temperature resistance and aging resistance;
- Seam joint surface is adopted for anti-explosion protection, offering reliable anti-explosion performance.
- High transmittance tempered flat glass is used as the front glass, realizing clear imaging without distortion.
- Intelligent heating and cooling devices are optional inside. When the temperature is higher than $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$, the radiator fan will work automatically; when the temperature is lower than $8^{\circ}\text{C} \pm 5^{\circ}\text{C}$, the heating element will run automatically to ensure the internal temperature of the chamber.
- Protection rating of IP68, suitable for indoor and outdoor installation, and all-weather-proof.
- Optional the installation accessory ZJ001 wall mount bracket.

外形尺寸 Outline dimension



BJK-S/GD



安装尺寸
Installed dimensions

技术参数 Technical parameters

参数 Parameters	BJK-S/GD 2004	BJK-S/GD 3004	BJK-S/GD 4004
防爆参数 Explosion-proof parameters			
执行标准 Executive standards	GB3836.1, GB3836.2, GB12476.1, GB12476.5, IEC60079-0, IEC60079-1, IEC61241-0, IEC61241-1, EN60079-0, EN60079-1, EN61241-0, EN61241-1		
防爆标志 Explosion-proof mark	Ex d II C T6 Gb / Ex tD A21 IP68 T80°C		
防护等级 Protection rating	IP68		
防腐等级 Corrosion-proof grade	WF2		
机械指标 Mechanical indicators			
材质 Material	304不锈钢或者316L 304 stainless steel or 316L		
水平转动 Horizontal rotation	水平30°手动调整 30°(horizontally) by manual adjustment		
垂直转动 Vertical rotation	± 60° 手动调整 ±60° by manual adjustment		
安装方式 Installation methods	固定支架、基座、立柱 Fixing brackets, base, upright posts		
红外灯组件 Infrared lamp assembly			
光源形式 Light source form	红外LED infrared LED		
投射距离 Projection distance	100米 100m		
投射角度 Projection angle	10°、15°、25°		
波长 Wavelength	850nm		
控制方式 Control mode	自动 Automatic		
电气指标 Electrical indicators			
输入电压 Input voltage	12V DC / 220V AC		
环境温度 Ambient temperature	-40°C~+60°C		
通头 Through head	标准配置规格为2×M20×1.5, 其它规格请注明 The standard configuration specification is 2 × M20 × 1.5, and other specifications if user shall be specified		
电缆外径 Cable OD	适合Φ9mm~Φ16mm电缆 Suitable for Φ 9mm~Φ 16mm cables		
产品重量 Weight	5.8kg		
摄像机 Camera			
传感器类型 Sensor type	1/2.8" progressive Scan CMOS	1/2.8英寸CMOS 1/2.8" CMOS	1/2.7英寸CMOS 1/2.7" CMOS
最大分辨率 Maximum resolution	200W	300W	400W
日夜转换 Day/Night function	ICR滤片式 ICR filter	IR-CUT自动切换 IR-CUT automatic switching	IR-CUT自动切换 IR-CUT automatic switching
最低照度 Minimum illumination	彩色: <0.001lx(AGC ON) 黑白: <0.0001lx(AGC ON) Color: <0.001lx (AGC ON) Black and white: <0.0001lx (AGC ON)	彩色: <0.001lx(AGC ON) 黑白: <0.0001lx(AGC ON) Color: <0.001lx (AGC ON) Black and white: <0.0001lx (AGC ON)	彩色: <0.001lx(AGC ON) 黑白: <0.0001lx(AGC ON) Color: <0.001lx (AGC ON) Black and white: <0.0001lx (AGC ON)



BJK-Q/HD 防爆球形摄像仪

BJK-Q/HD Explosion-proof Spherical Camera



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应用场景 Application

- 广泛应用于海洋工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域监控之用；
- 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- 适用于爆炸性危险环境1区、2区、21区、22区等场所。
- Widely used for the supervisory control on various marine platforms, chemical tankers, LNG ships and hazardous cargo wharfs, etc.
- Can reliably work in severe environment exposed in moisture, vibration or corrosion.
- Explosive hazardous atmosphere Zone 1, Zone 2, Zone 21, Zone 22...



型号含义 Catalogue Number Logic

BJK-Q / HD



- 焦距参数(或者光学变倍参数) Focal length parameter for optical zoom parameter)
- 像素参数 Pixel parameters
- 网络型 Network type
- 防爆球形摄像仪 Explosion-proof spherical camera

产品特性 Features

- 支持绊线入侵、区域入侵、穿越围栏、徘徊检测、物品遗留、物品搬移、快速移动等多种行为检测；
- 支持多种触发规则联动动作，支持目标过滤；
- 支持人脸检测，支持单场景/多场景/全景设置，支持目标过滤和灵敏度设置；
- 采用高性能CMOS图像传感器；
- 优异的数字降噪功能，提升用户的夜间监视效果；
- ICR日/夜自动转换功能；
- 中英文OSD菜单及操作提示功能，用户界面更友好，功能更强大；
- 独特的FD三维定位功能，捕捉目标更方便、精准、快捷；
- 多种网络监控方式相结合(手机、WEB、客户端)，使用更方便；
- 灵活的网络扩展能力，适应各种网络平台监控系统；
- 可选配：安装附件 ZJ003或ZJ004安装支架。
- Tripwire intrusion, area intrusion, crossing fence, wandering detection, abandoned item, item moving, fast moving and detection of other behaviors;
- Linkage control actions with multiple triggers, target filtering;
- Face detection, single scenario/multi-scenario/panoramic setting, target filtering and sensitivity setting;
- High-performance CMOS image sensor;
- Excellent digital noise reduction, enhancing night supervisory control effect for users
- ICR day/night automatic switching;
- Chinese and English OSD menu and operator prompt, more friendly and more powerful user interface;
- Unique FD three-dimensional positioning function, making it more convenient, accurate and quicker to capture the targets;
- Combination of multiple network supervisory control means (mobile phone, WEB, client), realizing more convenient use;
- Flexibility in network expanding, adaptive to various network platform supervisory control systems;
- Optional the installation accessory ZJ003 or ZJ004 wall mount bracket.

技术参数 Technical parameters

参数 Parameters	BJK-QHD-2020	BJK-QHD-2030	BJK-QHD-4030
防爆参数 Explosion-proof parameters			
执行标准 Executive standards	GB3836.1, GB3836.2, GB12476.1, GB12476.5, IEC60079-0, IEC60079-1, IEC61241-0, IEC61241-1, EN60079-0, EN60079-1, EN61241-0, EN61241-1		
防爆标志 Explosion-proof mark	Ex d IIC T6 Gb / Ex ID A21 IP68 T80°C		
防护等级 Protection rating	IP68		
防腐等级 Corrosion-proof grade	WF2		
机械指标及功能 Mechanical indicators and functions			
材质 Material	不锈钢 Stainless steel		
水平范围 Horizontal range	0°~360°连续旋转 0°~360° continuous rotation		
垂直范围 Vertical range	-20°~90°自动翻转180°后连续监视 -20°~90°, continuous supervision after turning 180° automatically		
键控速度 Keying velocity	水平: 0.1°~300°/s 垂直: 0.1°~250°/s Horizontal: 0.1°~300°/s; Vertical: 0.1°~250°/s		
调用预置点速度 Calling preset point	水平: 400°/s 垂直: 300°/s Horizontal: 400°/s; Vertical: 300°/s		
预置点 Preset point	256个 256 lines		
网络协议 Network protocol	IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE		
智能检测 Intelligent detection	视频动态遮挡检测、音频检测、网络断开检测、IP冲突检测、编码器状态检测、存储卡状态检测、存储空间检测 Video dynamic/occlusion detection, audio detection, network disconnection detection, IP conflict detection, encoder status detection, memory card status detection, storage space detection		
产品重量 Weight	13.5kg		
摄像机 Camera			
图像传感器 Image sensor	1/2.8" progressive Scan CMOS	1/2.8"逐行扫描 1/2.8" Progressive scan	1/2"逐行扫描 1/2" Progressive scan
传感器总像素 Total pixels of sensor	200万像素 2 million pixels	约245万像素 Approximately 2.45 million pixels	400万像素 4 million pixels
最低照度 Minimum illumination	彩色: <0.001lx(AGC ON) 黑白: <0.0001lx(AGC ON); Color: <0.001 lx (AGC ON) Black and white: <0.0001 lx (AGC ON)	彩色: <0.001lx(AGC ON) 黑白: <0.0001lx(AGC ON); Color: <0.001 lx (AGC ON) Black and white: <0.0001 lx (AGC ON)	彩色: <0.001lx(AGC ON) 黑白: <0.0001lx(AGC ON); Color: <0.001 lx (AGC ON) Black and white: <0.0001 lx (AGC ON)
镜头 Lens			
光学变倍 Optical zoom	20倍 20 times	30倍 30 times	30倍 30 times
焦距 Focal length	5mm~115mm	4.3mm~129mm	4.5mm~135mm

外形尺寸 Outline dimension





BJK-Q/B 防爆球形摄像仪(半球)

BJK-Q/B Explosion-proof Spherical Camera (Hemispherical)



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应用场景 Application

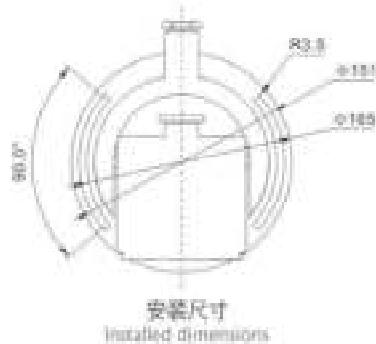
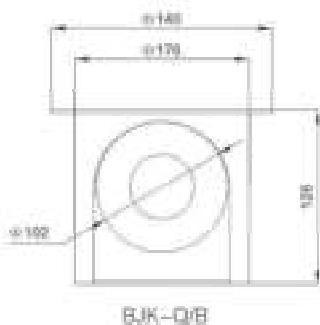
- 广泛应用于海港工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域作监控之用。
- 可在潮湿、振动、腐蚀等恶劣环境中可靠工作。
- 适用于爆炸性危险环境1区、2区、21区、22区等场所。
- Widely used for the supervisory control on various marine platforms, chemical tankers, LNG ships and hazardous cargo wharfs, etc.
- Can reliably work in severe environment exposed in moisture, vibration or corrosion.
- Explosive hazardous atmosphere Zone 1, Zone 2, Zone 21, Zone 22.



产品特性 Features

- 最高分辨率可达5M(2560 × 1920 @ 12.5 fps)，并可输出3M(2048 × 1536 @ 25 fps)实时图像；
- 采用ROI等视频压缩技术，压缩比高，且处理非常灵活，超低码率；
- 进行扫描CMOS，捕捉运动图像无锯齿；
- 支持PoE供电功能；
- 支持Micro SD/SDHC/SDXC卡(128G)本地存储；
- 可选配高效红外灯，使用寿命长，照射距离可达10米；
- ICR红外滤片式自动切换，实现真正的日夜监控；
- 支持3D数字降噪，支持数字宽动态；
- 支持走廊模式，背光补偿，自动电子快门功能，适应不同监控环境；
- 支持智能报警；
- 具有三轴调节功能，方便工程安装；
- 功能齐全：心跳，镜像，一键恢复等；
- 支持GB28181，ONVIF等接口协议。
- The highest resolution is up to 5M (2560 × 1920 @ 12.5 fps), and it can output 3M (2048 × 1536 @ 25 fps) real-time images.
- ROI and other video compression technologies, with high compression ratio, realizing extremely flexible processing, and ultra-low bit rate;
- Progressive scan CMOS, capturing moving images without sawtooth;
- PoE power supply function;
- Local storage on Micro SD/SDHC/SDXC card (128G);
- Optional high-efficiency infrared lamp, with long service life, and up to 10m irradiation distance;
- Automatic switching via ICR infrared filter, realizing day and night supervisory control;
- 3D digital noise reduction, and digital wide dynamic range;
- Corridor mode, backlight compensation, automatic electronic shutter function, adaptive to different supervisory control environments;
- Intelligent alarm;
- Three-axis adjustment, convenient for engineering installation;
- Complete functions: heartbeat, mirroring, one-key recovery, etc.;
- Support GB28181, ONVIF and other interface protocols.

外形尺寸 Outline dimension



技术参数 Technical parameters

防爆参数 Explosion-proof parameters	
执行标准 Executive standards	GB3836.1, GB3836.2, GB12476.1, GB12476.5, IEC60079-0, IEC60079-1, IEC61241-0, IEC61241-1, EN60079-0, EN60079-1, EN61241-0, EN61241-1
防爆标志 Explosion-proof mark	Ex d IIC T6 Gb / Ex ID A21 IP68 T80°C
防护等级 Protection rating	IP68
防腐等级 Corrosion-proof grade	WF2
摄像机 Camera	
传感器类型 Sensor type	1/3" Progressive Scan CMOS
快门 Shutter	1/3秒至1/100,000s~1/100,000s
调整角度 Adjustable angle	水平-30~30°, 垂直0~80°, 旋转0~360° Horizontal -30~30°, vertical 0~80°, rotation 0~360°
日夜转换模式 Day and night switching mode	ICR红外滤片式 ICR infrared filter
数字降噪 Digital noise reduction	3D 数字降噪 3D digital noise reduction
红外照射距离 Infrared irradiation distance	10米 10m
产品重量 Weight	9.2kg
压缩标准 Compression standard	
视频压缩标准 Video compression standard	H.265 / H.264 / MJPEG
H.265编码类型 H.265 encoding type	Main Profile
压缩输出码率 Compression output code rate	32 Kbps~8Mbps
图像 Image	
最大图像尺寸 Maximum image size	2560×1920
图像设置 Image setting	走廊模式, 饱和度, 亮度, 对比度, 锐度通过客户端或者浏览器可调 Corridor mode, saturation, brightness, contrast, sharpness adjustable through client or browser
背光补偿 Backlight compensation	支持, 可选区域 Available, with area selectable
感兴趣区域 Region of interest	ROI支持三码流分别设置1个固定区域 ROI supports one fixed region set for three streams respectively
网络功能 Network function	
存储功能 Storage function	支持Micro SD/SDHC/SDXC卡(128G)断网本地存储, NAS (NFS, SMB/CIFS均支持) Offline local storage on Micro SD/SDHC/SDXC card (128G). NAS supporting both NFS, SMB/CIFS
接口协议 Interface protocol	ONVIF, PSIA, CGI, ISAPI, GB28181
支持协议 Compatible protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour



BJK-YT/B 防爆一体式摄像仪

BJK-YT/B Explosion-proof Integrated Camera



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应用场景 Application

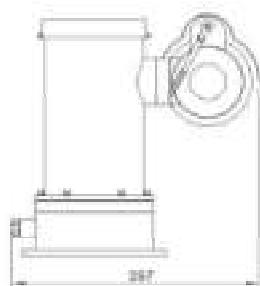
- 广泛应用于海港工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域监控之用；
- 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- 适用于爆炸性危险环境1区、2区、21区、22区等场所。
- Widely used for the supervisory control on various marine platforms, chemical tankers, LNG ships and hazardous cargo wharfs, etc.
- Can reliably work in severe environment exposed in moisture, vibration or corrosion.
- Explosive hazardous atmosphere Zone 1, Zone 2, Zone 21, Zone 22...



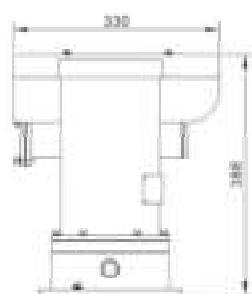
产品特性 Features

- 外壳采用不锈钢材料制造；
- 一体化结构设计，防护罩、云台、解码器、网络摄像机高度集成，标配一体化IP网络数字高清摄像机芯；
- 支持传统模拟及网络高清摄像机芯；
- 支持10M/100M网络接口；
- 360°水平连续旋转，-90°→+90°垂直转动；
- 水平转动速度：0.1°/s~42°/s，垂直转动速度：0.1°/s~42°/s；
- 具有预置位功能，通过设置菜单能够实现自动巡航、花样扫描等高级功能；
- 防护等级达到IP68；
- 室内、室外安装，全天候使用；
- 可采用支架、基座、立柱、墙式等安装方式。
- The enclosure is made of stainless steel.
- Integrated structure design, with highly integrated protective cover, pan-tilt head, decoder, and network camera, as well as integrated standard IP digital HD camera unit.
- Compatible with traditional analog and IP HD camera unit.
- Compatible with 10M/100M network interface.
- 360° horizontal continuous rotation, and -90°→+90° vertical rotation.
- Horizontal rotation speed: 0.1°/s~42°/s, and vertical rotation speed: 0.1°/s~42°/s.
- Preset function, realizing advanced functions such as automatic cruise and pattern scanning through the setting menu.
- Protection rating up to IP68.
- Suitable for indoor and outdoor installation, and all-weather-proof.
- It can be installed by brackets, an base, upright posts, towers, etc.

外形尺寸 Outline dimension



BJK-YT/B



安装尺寸
Installed dimensions

技术参数 Technical parameters

参数 Parameters	BJK-YT/B 2020	BJK-YT/B 2030	BJK-YT/B 3030
防爆参数 Explosion-proof parameters			
执行标准 Executive standards	GB3836.1, GB3836.2, GB12476.1, GB12476.3, IEC60079-0, IEC60079-1, IEC61241-0, IEC61241-1, EN60079-0, EN60079-1, EN61241-0, EN61241-1		
防爆标志 Explosion-proof mark	Ex d II C T6 Ga / Ex tD A21 IP68 T80°C		
防护等级 Protection rating	IP68		
防腐等级 Corrosion-proof grade	WF2		
机械指标 Mechanical indicators			
材质 Material	304不锈钢或者316L 304 stainless steel or 316L		
水平转动 Horizontal rotation	360°连续旋转 360° continuous rotation		
垂直转动 Vertical rotation	-90°~+90°		
水平转动速度 Horizontal rotation speed	0.1°/s ~ 42°/s		
垂直转动速度 Vertical rotation speed	0.1°/s ~ 42°/s		
电气指标 Electrical indicators			
输入电压 Input voltage	176VAC~264VAC		
功耗 Power consumption	额定<70W; 加热器开启时<100W±70W generally, <100W when the heater is turned on		
预置位 Preset points	256个 256 (nos.)		
预置位精度 Accuracy of preset points	± 0.1°		
自动加热 Automatic heating	温度低于8°C ±5°C时启动自动加热 When the temperature is lower than 8°C±5°C, automatic heating will be started		
产品重量 Weight	90kg		
摄像机 Camera			
图像传感器 Image sensor	1/2.8" progressive Scan CMOS	1/2.8英寸CMOS 1/2.8" CMOS	1/2.8英寸CMOS 1/2.8" CMOS
传感器总像素 Total pixels of sensor	200万像素 2 million pixels	200万像素 2 million pixels	300万像素 3 million pixels
最低照度 Minimum illumination	彩色: <0.001lx(AGC ON) 黑白: <0.0001lx(AGC ON); Color: <0.001 lx (AGC ON) Black and white: <0.0001 lx (AGC ON);	彩色: <0.001lx(AGC ON) 黑白: <0.0001lx(AGC ON); Color: <0.001 lx (AGC ON) Black and white: <0.0001 lx (AGC ON);	彩色: <0.001lx(AGC ON) 黑白: <0.0001lx(AGC ON); Color: <0.001 lx (AGC ON) Black and white: <0.0001 lx (AGC ON);
光学变倍 Optical zoom	25倍 25 times	30倍 30 times	30倍 30 times
视频编码格式 Video encoding format	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264



BJK-YT/BD 防爆一体式摄像仪

BJK-YT/BD Explosion-proof Integrated Camera



IP
68

应用场景 Application

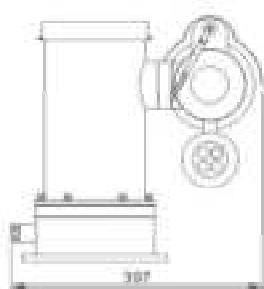
- 广泛应用于海港工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域作监控之用；
- 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- 适用于爆炸性危险环境1区、2区、21区、22区等场所。
- Widely used for the supervisory control on various marine platforms, chemical tankers, LNG ships and hazardous cargo wharfs, etc.
- Can reliably work in severe environment exposed in moisture, vibration or corrosion.
- Explosive hazardous atmosphere Zone 1, Zone 2, Zone 21, Zone 22...



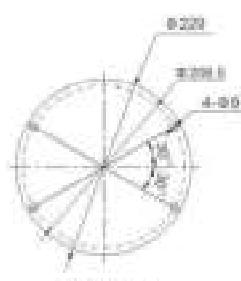
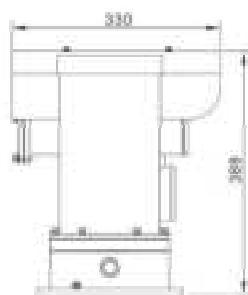
产品特性 Features

- 外壳采用不锈钢材料制造；
- 可安装多种一体化摄像机；
- 带红外LED补光灯，保证产品在环境照度较低的情况下，取得不错的夜视效果；
- 通过OSD功能菜单，能对摄像机的各项参数进行设置，并且能基本实现自动巡航、花样扫描等高级功能；
- 通过无线视频监控管理系统实现视频数据的编解码、加密解密、交互、发送、接收和远程控制等功能。利用运营商的4G无线网络和Internet网络的优势，使您无论在何时、何地都可以迅速地与该系统连接，方便地实现远程监控管理；
- 360°水平连续旋转，-90°→+90°垂直转动；
- 水平转动速度：0.1°/s~42°/s，垂直转动速度：0.1°/s~42°/s；
- 防护等级达到IP68；室内、室外安装，全天候使用；
- 可采用支架、基座、立柱、塔式等安装方式。
- The enclosure is made of stainless steel;
- A variety of integrated cameras can be installed;
- Infrared LED illuminator to ensure that the product realizes great night vision under low ambient illuminance;
- Advanced functions such as automatic cruise and pattern scanning realized through the setting of parameters of the camera by means of the OSD function menu;
- Functions of video data encoding and decoding, encryption and decryption, interaction, sending, receiving and remote control realized through the wireless video supervisory control and management system. You can quickly connect to the system no matter when and where, taking advantages of the operators' 4G wireless network and the Internet, to facilitate the implementation of remote supervisory control and management;
- 360° horizontal continuous rotation, and -90°→+90° vertical rotation;
- Horizontal rotation speed: 0.1°/s~42°/s, and vertical rotation speed: 0.1°/s~42°/s;
- Protection rating up to IP68, suitable for indoor and outdoor installation, and all-weather-proof;
- It can be installed by brackets, on base, upright posts, towers, etc.

外形尺寸 Outline dimension



BJK-YT/BD



安装尺寸
Installed dimensions

技术参数 Technical parameters

参数 Parameters	BJK-YT/BD 2020	BJK-YT/BD 2030	BJK-YT/BD 3030
防爆参数 Explosion-proof parameters			
执行标准 Executive standards	GB3836.1, GB3836.2, GB12476.1, GB12476.5, IEC60079-0, IEC60079-1, IEC61241-0 IEC61241-1, EN60079-0, EN60079-1, EN61241-0, EN61241-1		
防爆标志 Explosion-proof mark	Ex d II C T6 Gb / Ex tD A21 IP68 T80°C		
防护等级 Protection rating	IP68		
防腐等级 Corrosion-proof grade	WF2		
红外灯组件 Infrared lamp assembly			
光源形式 Light source form	红外LED Infrared LED		
投射距离 Projection distance	100米 100m		
投射角度 Projection angle	10°, 15°, 25°		
波长 Wavelength	850nm		
控制方式 Control mode	自动 Automatic		
电气指标 Electrical indicators			
输入电压 Input voltage	176VAC~264VAC		
功耗 Power consumption	常规≤70W; 红外灯, 加热器开启时≤100W ≤70W generally ≤ 100W when the IR lamp and heater are turned on		
预置位 Preset points	256个 256 (max.)		
预置位精度 Accuracy of preset points	±0.1°		
自动加热 Automatic heating	温度低于8°C ±5°C时启动自动加热 When the temperature is lower than 8°C±5°C, automatic heating will be started		
产品重量 Weight	31kg		
摄像机 Camera			
图像传感器 Image sensor	1/2.8" progressive Scan CMOS	1/2.8英寸CMOS 1/3" CMOS	1/2.8英寸CMOS 1/3" CMOS
传感器总像素 Total pixels of sensor	200万像素 2 million pixels	200万像素 2 million pixels	300万像素 3 million pixels
最低照度 Minimum illumination	彩色: <0.001lx(AGC ON) 黑白: <0.0001lx(AGC ON); 0 Lux (红外开启) Color: <0.001 lx (AGC ON) Black and white: <0.0001 lx (AGC ON); 0 Lux (IR lamp on)	彩色: <0.001lx(AGC ON) 黑白: <0.0001lx(AGC ON); 0 Lux (红外开启) Color: <0.001 lx (AGC ON) Black and white: <0.0001 lx (AGC ON); 0 Lux (IR lamp on)	彩色: <0.001lx(AGC ON) 黑白: <0.0001lx(AGC ON); 0 Lux (红外开启) Color: <0.001 lx (AGC ON) Black and white: <0.0001 lx (AGC ON); 0 Lux (IR lamp on)
光学变倍 Optical zoom	25倍 25 times	30倍 30 times	30倍 30 times
视频编码格式 Video encoding format	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264



BJK-YT/BP 防爆一体式摄像仪(皮带传动)

BJK-YT/BP Explosion-proof Integrated Camera (Belt drive)



应用场景 Application

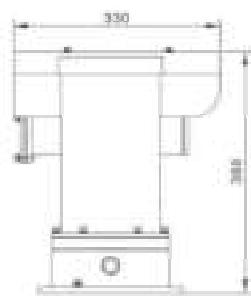
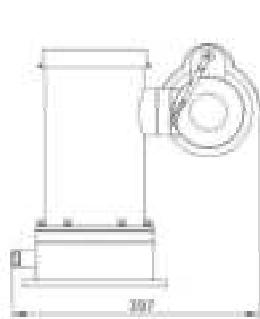
- 广泛应用于海港工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域作监控之用；
- 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- 适用于爆炸性危险环境1区、2区、21区、22区等场所。
- Widely used for the supervisory control on various marine platforms, chemical tankers, LNG ships and hazardous cargo wharfs, etc.
- Can reliably work in severe environment exposed in moisture, vibration or corrosion.
- Explosive hazardous atmosphere Zone 1, Zone 2, Zone 21, Zone 22.



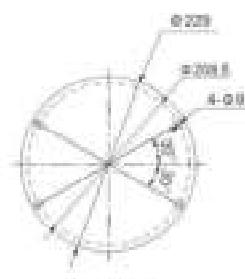
产品特性 Features

- 外壳采用不锈钢材料制造；
- 一体化结构设计，防护罩、云台、解码器、网络摄像机高度集成，标配一体化IP网络数字高清摄像机芯；
- 支持传统模拟及网络高清摄像机芯；
- 支持10M/100M网络接口；
- 360°水平连续旋转，-90°~+90°垂直转动；
- 水平转动速度：0.1%/s~42%/s，垂直转动速度：0.1%/s~42%/s；
- 具有预置位功能，通过设置菜单能够实现自动巡航、花样扫描等高级功能；
- 防护等级达到IP68；
- 采用皮带传动平稳无噪声，能缓冲、吸振；过载时皮带将会在带轮上打滑，可防止薄弱零件损坏，起到安全保护作用；
- 室内、室外安装，全天候使用；
- 可采用支架、基座、立柱、墙式等安装方式。
- The enclosure is made of stainless steel;
- Integrated structure design, with highly integrated protective cover, pan-tilt head, decoder, and network camera, as well as integrated standard IP digital HD camera unit;
- Compatible with traditional analog and IP HD camera unit;
- Compatible with 10M/100M network interface;
- 360° horizontal continuous rotation, and -90° ~+90° vertical rotation;
- Horizontal rotation speed: 0.1%/s~42%/s, and vertical rotation speed: 0.1%/s~42%/s;
- Prezel function: realizing advanced functions such as automatic cruise and pattern scanning through the setting menus;
- Protection rating up to IP68;
- Bel drive, which is smooth and noiseless, serves as buffer and absorb vibration; the belt will slip on the pulley when overloaded, which prevents damage to vulnerable parts, fulfilling the protective purpose;
- Suitable for indoor and outdoor installation, and all-weather-proof;
- It can be installed by brackets, on base, upright posts, towers, etc.

外形尺寸 Outline dimension



BJK-YT/BP



安装尺寸
Installed dimensions

技术参数 Technical parameters

参数 Parameters	BJK-YT/BP 2020	BJK-YT/BP 2030	BJK-YT/BP 3030
防爆参数 Explosion-proof parameters			
执行标准 Executive standards	GB3836.1, GB3836.2, GB12476.1, GB12476.3, IEC60079-0, IEC60079-1, IEC61241-0 IEC61241-1, EN60079-0, EN60079-1, EN61241-0, EN61241-1		
防爆标志 Explosion-proof mark	Ex d II C T6 Gb / Ex ID A21 IP68 T50°C		
防护等级 Protection rating	IP68		
防腐等级 Corrosion-proof grade	WF2		
机械指标 Mechanical indicators			
材质 Material	304不锈钢或者316L 304 stainless steel or 316L		
水平转动 Horizontal rotation	360°连续旋转 360° continuous rotation		
垂直转动 Vertical rotation	-90°~+90°		
水平转动速度 Horizontal rotation speed	0.1%/s ~ 42%/s		
垂直转动速度 Vertical rotation speed	0.1%/s ~ 42%/s		
产品重量 Weight	29kg		
安装方式 Installation methods	ZJ003壁装支架、基座、立柱 ZJ003 wall mount brackets, base, and upright post		
电气指标 Electrical indicators			
输入电压 Input voltage	176VAC~264VAC		
功耗 Power consumption	常温≤70W; 加热器开启时≤100W ± 70W generally, ≤ 100W when the heater is turned on		
预置位 Preset points	256个 256 (max.)		
预置位精度 Accuracy of preset points	± 0.1°		
自动加热 Automatic heating	温度低于8°C ± 5°C时启动自动加热 When the temperature is lower than 8°C±5°C, automatic heating will be started		
摄像机 Camera			
图像传感器 Image sensor	1/2.8" progressive Scan CMOS	1/2.8英寸CMOS 1/2.8" CMOS	1/2.8英寸CMOS 1/2.8" CMOS
传感器总像素 Total pixels of sensor	200万像素 2 million pixels	200万像素 2 million pixels	300万像素 3 million pixels
最低照度 Minimum illumination	彩色: <0.001lx(AGC ON) 黑白: <0.0001lx(AGC ON); Color: <0.001 lx (AGC ON) Black and white: <0.0001 lx (AGC ON)	彩色: <0.001lx(AGC ON) 黑白: <0.0001lx(AGC ON); Color: <0.001 lx (AGC ON) Black and white: <0.0001 lx (AGC ON)	彩色: <0.001lx(AGC ON) 黑白: <0.0001lx(AGC ON); Color: <0.001 lx (AGC ON) Black and white: <0.0001 lx (AGC ON)
光学变倍 Optical zoom	25倍 25 times	30倍 30 times	30倍 30 times
视频编码格式 Video encoding format	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264



BJK-YT/BDP 防爆一体式摄像仪(皮带传动)

BJK-YT/BDP Explosion-proof Integrated Camera (Belt drive)



应用场景 Application

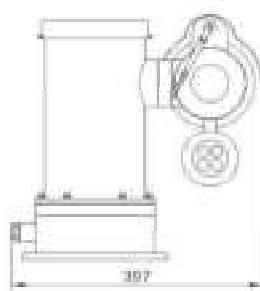
- 广泛应用于海港工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域作监控之用；
- 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- 适用于爆炸性危险环境1区、2区、21区、22区等场所。
- Widely used for the supervisory control on various marine platforms, chemical tankers, LNG ship and hazardous cargo wharfs, etc.
- Can reliably work in severe environment exposed in moisture, vibration or corrosion.
- Explosive hazardous atmosphere Zone 1, Zone 2, Zone 21, Zone 22.



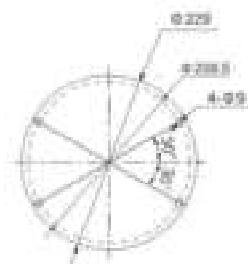
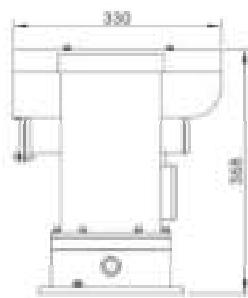
产品特性 Features

- 外壳采用不锈钢材料制造；
- 可安装多种一体化摄像机；
- 带红外LED补光灯，保证产品在环境照度较低的情况下，取得不错的夜视效果；
- 通过OSD功能菜单，能对摄像机的各项参数进行设置，并且能够实现自动巡航、花样扫描等高级功能；
- 360°水平连续旋转，-90°~+90°垂直转动；
- 水平转动速度：0.1°/s~42°/s，垂直转动速度：0.1°/s~42°/s；
- 防护等级达到IP68；
- 采用皮带传动平稳无噪音，能缓冲、吸振；过载时皮带将会在带轮上打滑，可防止薄弱零部件损坏，起到安全保护作用；
- 室内、室外安装，全天候使用；
- 可采用支架、基座、立柱、墙式等安装方式。
- The enclosure is made of stainless steel.
- A variety of integrated cameras can be installed;
- Infrared LED illuminator to ensure that the product has great night vision under low ambient illuminance.
- Advanced functions such as automatic cruise and pattern scanning realized through the setting of parameters of the camera by means of the OSD function menu.
- 360° horizontal continuous rotation, and -90° ~+90° vertical rotation.
- Horizontal rotation speed: 0.1°/s~42°/s, and vertical rotation speed: 0.1°/s~42°/s;
- Protection rating up to IP68.
- Belt drive, which is smooth and noiseless, serves as an buffer and absorbs vibration; the belt will slip on the pulley when overloaded, which prevents damage to vulnerable parts, fulfilling the protective purpose.
- Suitable for indoor and outdoor installation, and all-weather-proof.
- It can be installed by brackets, on base, upright posts, towers, etc.

外形尺寸 Outline dimension



BJK-YT/BOP



安装尺寸
Installed dimensions

技术参数 Technical parameters

参数 Parameters	BJK-YT/BDP 2020	BJK-YT/BDP 2030	BJK-YT/BDP 3030
防爆参数 Explosion-proof parameters			
执行标准 Executive standards	GB3836.1, GB3836.2, GB12476.1, GB12476.5, IEC60079-0, IEC60079-1, IEC61241-0 IEC61241-1, EN60079-0, EN60079-1, EN61241-0, EN61241-1		
防爆标志 Explosion-proof mark	Ex d II C T6 Gb / Ex tD A21 IP68 T80°C		
防护等级 Protection rating	IP68		
防腐等级 Corrosion-proof grade	WF2		
红外灯组件 Infrared lamp assembly			
光源形式 Light source form	红外LED Infrared LED		
投射距离 Projection distance	100米 100m		
投射角度 Projection angle	10°, 15°, 25°		
波长 Wavelength	850nm		
控制方式 Control mode	自动 Automatic		
电气指标 Electrical indicators			
输入电压 Input voltage	176V AC~264V AC		
功耗 Power consumption	常规<70W；红外灯，加热器开启时<100W Generally < 70W; IR lamp and heater are turned on < 100W		
预置位 Preset points	256个 256 (nos.)		
预置位精度 Accuracy of preset points	± 0.1°		
产品重量 Weight	20kg		
安装方式 Installation methods	ZJ002壁装支架, 基座, 立柱 ZJ002 wall mount brackets, base, and upright post		
摄像机 Camera			
图像传感器 Image sensor	1/2.8" progressive Scan CMOS	1/2.8英寸CMOS 1/3" CMOS	1/2.8英寸CMOS 1/3" CMOS
传感器总像素 Total pixels of sensor	200万像素 2 million pixels	200万像素 2 million pixels	300万像素 3 million pixels
最低照度 Minimum illumination	彩色: <0.001lx(AGC ON) 黑白: <0.0001lx(AGC ON); 0 Lux (红外开启) Color: <0.001 lx (AGC ON) Black and white: <0.0001 lx (AGC ON); 0 Lux (IR lamp on)	彩色: <0.001lx(AGC ON) 黑白: <0.0001lx(AGC ON); 0 Lux (红外开启) Color: <0.001 lx (AGC ON) Black and white: <0.0001 lx (AGC ON); 0 Lux (IR lamp on)	彩色: <0.001lx(AGC ON) 黑白: <0.0001lx(AGC ON); 0 Lux (红外开启) Color: <0.001 lx (AGC ON) Black and white: <0.0001 lx (AGC ON); 0 Lux (IR lamp on)
光学变倍 Optical zoom	25倍 25 times	30倍 30 times	30倍 30 times
视频编码格式 Video encoding format	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264



BJK-YTR 防爆一体式红外热成像仪

BJK-YTR Explosion-proof integrated infrared thermal imager



应用场景 Application

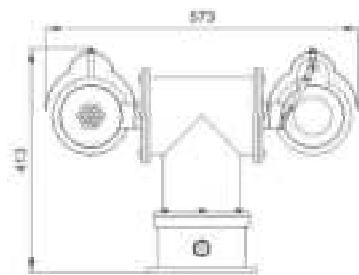
- 广泛应用于海港工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域作监控之用；
- 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- 适用于爆炸性危险环境1区、2区、21区、22区等场所。
- Widely used for the supervisory control on various marine platforms, chemical tankers, LNG ships and hazardous cargo wharfs, etc..
- Can reliably work in severe environment exposed in moisture, vibration or corrosion.
- Explosive hazardous atmosphere Zone 1, Zone 2, Zone 21, Zone 22.



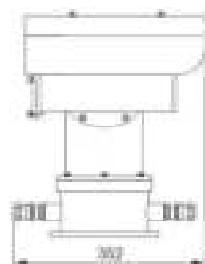
产品特性 Features

- 探测能力强：**
适用于完全黑暗的环境之下，可在零光度的情况下清楚分辨不同物体，识别伪装及隐蔽的目标；
适用于强光、逆光、眩光等的监控场景之下，不受光线强弱的干扰，可以在任意光强的场景下实现有效的探测及识别；
适用于烟、雾、雨、雪、沙尘、眩光等视野受阻的恶劣环境之下；
适用于色彩迷惑度较高，易混淆程度较深等分辨率度较大的环境之下。
- 探测距离远：**
相对于普通摄像机而言，热成像摄像机拥有更远的探测距离。
- 温度识别：**
热成像网络摄像机通过探测不同温度物体发出的不同波长的红外热辐射，从而辨识物体表面的温度，测温精度高，且具有温度报警功能。
- Strong detection ability:**
Suitable for a completely dark environment, where it is capable to distinguish objects and identify camouflaged and concealed targets.
Applicable to supervisory control scenarios under strong light, backlight, glare, etc., for its immunity to disturbance caused by light intensity, and capable to perform effective detection and recognition in scenarios exposed in any light intensity.
Functioning normally in smoky, foggy, rainy, snowy, sandstorming, dusty, glare and other severe environments where the field of vision is obstructed.
Suitable for environments causing difficulties in distinguishing, such as those with puzzling colors, and perfectly camouflaged scenarios.
- Long detection distance:**
Compared with ordinary cameras, thermal imaging cameras have a longer detection distance.
- Temperature identification:**
The thermal imaging camera identifies the surface temperature of objects by detecting the infrared heat radiation of different wavelengths emitted by objects with various temperatures, with high accuracy in temperature measurement, and is capable to give temperature alarms.

外形尺寸 Outline dimension



BJK-YTR



安装尺寸
Installed dimensions

技术参数 Technical parameters

参数 Parameters	BJK-YTR/60	BJK-YTR/63
防爆参数 Explosion-proof parameters		
执行标准 Executive standards	GB3836.1, GB3836.2, GB12476.1, GB12476.5, IEC60079-0, IEC60079-1, IEC61241-0 IEC61241-1, EN60079-0, EN60079-1, EN61241-0, EN61241-1	
防爆标志 Explosion-proof mark	Ex d II C T6 Gb / Ex tD A21 IP68 T80°C	
防护等级 Protection rating	IP68	
防腐等级 Corrosion-proof grade	WF2	
机械指标 Mechanical indicators		
材质 Material	304不锈钢或者316L 304 stainless steel or 316L	
水平转动 Horizontal rotation	360°连续旋转 360° continuous rotation	
垂直转动 Vertical rotation	+90°~-90°	
产品重量 Weight	35kg	
安装方式 Installation methods	ZJ002壁挂支架、基座、立柱 ZJ002 wall mount brackets, base, and upright post	
电气指标 Electrical indicators		
输入电压 Input voltage	176VAC~264VAC	
功耗 Power consumption	<100W	
环境温度 Ambient temperature	-30°C~+50°C	
可见光参数 Parameters of visible light		
具体见P170页 BJK-YTR 红外机参数 Refer to parameters BJK-YTR thermal cameras on P170 for details		
探测器性能及图像性能 Detector performance and imaging performance		
探测器 Detector	非制冷焦平面微热型 Uncooled focal plane micro heat	
像素 Pixel	640 x 480	384 x 288
视场角/最小焦距 Field of view/minimum focal length	25° x 19°/0.1m	12° x 9°/0.5m
空间分辨率 Spatial resolution	0.67mrad	1.30mrad
热灵敏度 Thermal sensitivity	<0.06°C@30°C	
聚焦 Focusing	自动/电动电调焦/预置位 Automatic/electric focusing/preset point	
电子变焦 Electronic zoom	2倍、4倍连续电子变焦 3 times, 4 times continuous electronic zooming	
波长范围 Wavelength range	8~14 μm	
调色板 Palette	11种调色板可选 11 kinds of palettes available	
连续录像格式 Continuous video recording format	热像仪：连续录像，H.264格式 Thermal imager: continuous video recording, in H.264 format 可见光：H.265/H.264/MJPEG 可见光：H.265/H.264/MJPEG	
测量 Measurement		
测温范围 Temperature measurement range	-20°C~650°C, 可扩展到1200°C -20°C~650°C, expandable to 1200°C	
测温精度 Temperature measurement accuracy	±2°C或±2% (读数范围), 取大值 ±2°C or ±2% (reading range), whichever is greater	
测温校正 Temperature measurement correction	自动/手动 Automatic/manual	
实时4个可移动点, 3个可移动区(最高温、最低温捕捉、平均温度测量), 可移动线测温, 等温分析, 温差测量, 温度报警(颜色)		
测量模式 Measurement mode	4 movable points in real time, 3 movable regions of highest temperature, lowest temperature capture, average temperature measurement, movable line temperature measurement, isothermal analysis, temperature difference measurement, temperature alarm (color)	
辐射率校正 Radiation rate correction	0.01至1.0辐射率可调 0.01 to 1.0 adjustable	
接口 Interface		
数字视频输出 Digital video output	千兆网口 Gigabit Ethernet port	
串口 Serial port	RS485输出(选配) RS485 output (optional)	
报警(I/O口) Alarm (IO port)	2组I/O控制口(选配) 2 groups of IO control ports (optional)	



WRG600-IMS 防爆智能无线装置

WRG600-IMS Explosion-proof Intelligent Wireless Device



应用场景 Application

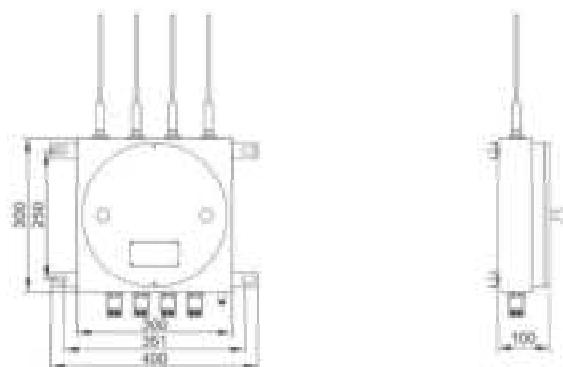
- 广泛应用于海港工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域作业监控之用；
- 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- 适用于爆炸性危险环境1区、2区、21区、22区等场所。
- Widely used for the supervisory control on various marine platforms, chemical tankers, LNG ships and hazardous cargo wharfs, etc.
- Can reliably work in severe environment exposed in moisture, vibration or corrosion.
- Explosive hazardous atmosphere Zone 1, Zone 2, Zone 21, Zone 22...



产品特性 Features

- WRG600-IMS为双频无线接入点设备，支持802.11a/b/g/n 协议，可以同时工作在2.4GHz和5.8GHz 频段。采用OFDM/DSSS、MIMO等技术，基于公司的优化开发设计；
- WRG600-IMS可提供最高600Mbps的连接速率，相当于传统802.11a/b/g网路接入速率的12倍；
- WRG600-IMS采用最高500mw的射频解决方案，提供4个N-type 天线接口，方便用户根据不同的覆盖场景灵活选择搭配各种增益的定向全向天线；
- WRG600-IMS根据工业危险场所的特殊要求，达到Ex d II C T6 Gb; Ex d IIC T6 Gb; Ex d A21 IP66 TR07C的防爆等级，IP66防护等级，不锈钢材质外壳，WF2防腐等级，具备完善的防腐、防水、防尘、防震等措施。是为石油开采、炼油、化工等用户所设计的工业爆炸危险场所使用的无线接入热点设备，具有防护能力强、数据吞吐量大、接收灵敏度高、覆盖距离远等特点。
- WRG600-IMS is a dual-band wireless access point device that supports the 802.11a/b/g/n protocol and is capable to work both in the 2.4GHz and 5.8GHz frequency bands simultaneously. It adopts OFDM/DSSS, MIMO and other technologies, and is based on the optimized development and design of the company.
- WRG600-IMS realizes a connection rate up to 600Mbps, 12 times of the traditional network access rate of 802.11a/b/g.
- WRG600-IMS adopts an up to 500mw radio frequency solution and provides 4 N-type antenna interfaces, so that the users may flexibly choose and mix directional and omnidirectional gain antennas according to different coverage scenarios.
- According to the special requirements of industrial & hazardous locations, WRG600-IMS reaches Ex d II C T6 Gb; Ex d IIC T6 Gb; Ex d A21 IP66 TR07C explosion-proof grade, IP66 protection rating, WF2 corrosion-proof grade, using stainless steel enclosure, with perfect explosion-proof, waterproof, dustproof, corrosion-proof, etc. mechanisms. It is a wireless access & hotspot device used in industrial places and places with explosion hazard designed for petroleum explorer, oil refiner, chemical industry enterprises and other users. It is characterized by high protection ability, high data throughput, high receiving sensitivity, and long coverage distance, and more.

外形尺寸 Outline dimension



WRG600-IMS

技术参数 Technical parameters

防爆参数 Explosion-proof parameters	
执行标准 Executive standard	GB3836.1, GB3836.2, GB12476.1, GB12476.5, IEC60079-0, IEC60079-1, IEC61241-0 IEC61241-1, EN60079-0, EN60079-1, EN61241-0, EN61241-1
防爆标志 Explosion-proof mark	Ex d II B T6 Gb / Ex ID A21 IP66 T80°C; Ex d II C T6 Gb / Ex ID A21 IP66 T80°C
防护等级 Protection rating	IP66
防腐等级 Corrosion-proof grade	WF2
产品参数 Product parameters	
产品定位 Product orientation	爆炸性危险场所室外双频FIT/FAT AP Outdoor dual-frequency FIT/FAT AP in explosive atmospheres and hazardous locations
最大接入速率 Maximum access rate	600Mbps
最大发射功率 Maximum transmitted power	2.4GHz: 500mw/27dBm; 5.8GHz: 250mw/24dBm
技术参数 Technical parameters	
WIFI标准 WiFi standard	IEEE 802.11a/b/g/n
以太网标准 Ethernet standard	IEEE 802.3/6/3u/3ab
以太网接口 Ethernet interface	1个10/100/1000Mbps
天线接口 Antenna interface	4个天线接口(2个2.4G, 2个5.8G) Four antenna interfaces (two 2.4G, two 5.8G)
供电方式 Power supply mode	POE供电(IEEE 802.3af标准) POE power supply (IEEE 802.3af standard)
整机功耗 Total power consumption	< 25W
AP基本功能 AP basic functions	支持：有线侧路由器，网桥工作模式，无线侧AP工作模式，16 Multi BSSID, 11N only, DHCP, Client, DHCP Server, PPPoE Client, VLAN, 生成树, 信道/频率调节, 漫游切换, 中文SSID, 多国家码部署, 组播IGMP Snooping, STA接入信号控制, 升级掉电保护, 定时重启, 定时关闭射频 Supporting: wired router, bridge mode, wireless AP mode, 16 Multi BSSID, 11N only, DHCP, Client, DHCP Server, PPPoE Client, VLAN, spanning tree, channel/frequency adjustment, roaming switching, Chinese SSID, multi-country CodeDeploy, multicast IGMP Snooping, STA access signal control, upgraded power-off protection, timed restart, timed shutdown of radio frequency
NAT服务 NAT service	支持：DMZ服务, Port Forwarding, Port trigger Supporting: DMZ service, Port Forwarding, Port trigger
管理维护 Management and maintenance	支持：HTTP/HTTPS/CLI配置管理方式, SNMP, SSH, Telnet, 本地维护/支持远程维护, 普通日志/死机日志/watchdog日志, 本地日志/日志主机/日志文件导出, 环境干扰统计, 统计信息, 邻居AP扫描, 空口抓包, 中英文管理页面, 用户管理, NTP Client Supporting: HTTP/HTTPS/CLI configuration management mode, SNMP, SSH, Telnet, local maintenance/supporting remote maintenance, normal log/crash log/watchdog log, local log/log host/log file export, environmental interference statistics, statistics information, neighboring AP scan, air packets capture, Chinese and English management page, user management, NTP Client
安全特性 Security features	支持：64/128位WEP加密, WPA, WPA2, WPA-PSK, WPA2-PSK加密, 802.1X, Portal认证, 接入控制黑名单, 接入控制白名单, 用户隔离, 防用户私设IP, 广播抑制, SSID隐藏, 非法AP检测, 非法AP反制, TCP/UDP/ICMP/ARP泛洪 Supporting: 64/128-bit WEP encryption, WPA, WPA2, WPA-PSK, WPA2-PSK encryption, 802.1X, Portal authentication, access control blacklist, access control whitelist, user isolation, anti-user privacy settings, IP broadcast suppression, SSID hiding, illegal AP detection, illegal AP countermeasures, TCP/UDP/ICMP/ARP flooding
环境温度 Ambient temperature	-40°C~+60°C
辐射特性 Frequency emission characteristics	
输出功率 Output power	2.4G: Max27dBm; 5.8G: Max27dBm
接收灵敏度 Receiving sensitivity	802.11n (HT20): <-91dBm @MCS0; <-75dBm @MCS7; <-91dBm @MCS9; <-75dBm @MCS15 802.11n (HT40): <-89dBm @MCS0; <-71dBm @MCS7; <-89dBm @MCS9; <-71dBm @MCS15



BJK-G 防爆光端机

BJK-G Explosion-proof Optical Transmitter and Receiver



应用场景 Application

- 广泛应用于海洋工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域作监控之用。
- 可在潮湿、振动、腐蚀等恶劣环境中可靠工作。
- 适用于爆炸性危险环境1区、2区、21区、22区等场所。
- Widely used for the supervisory control on various marine platforms, chemical tankers, LNG ships and hazardous cargo wharfs, etc.
- Can reliably work in severe environment exposed in moisture, vibration or corrosion.
- Explosive hazardous atmosphere Zone 1, Zone 2, Zone 21, Zone 22.



型号含义 Catalogue Number Logic

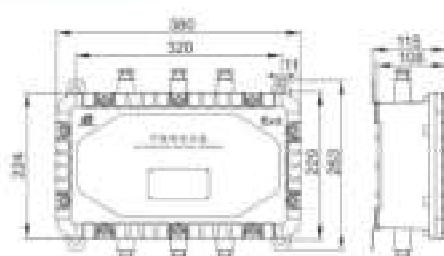
BJK-G / □

材质	L 铝合金 Aluminum alloy
Material	G 不锈钢 Stainless steel
防爆光端机 Explosion-proof optical transmitter and receiver	

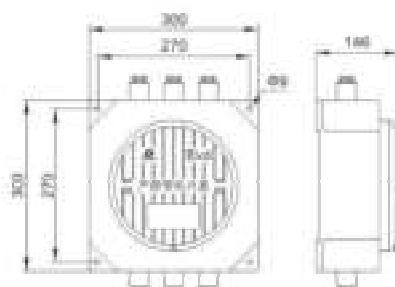
产品特性 Features

- BJK-G系列防爆光端机采用尾纤型结构。光端机须配对使用，分为光发射机和光接收机。光发射机接受电信号输入并将其转换为按电信号规律变化的光信号输出；光接收机接受光信号输入并将其还原为与发射端一致的电信号输出。
- II B/D采用螺纹防爆结构，铝合金材质(表面高压静电喷塑)，不锈钢钢材质(表面防腐蚀处理)具有防水、防尘、耐高温、耐老化功能；
- 采用全数字通信方式，传输质量高，距离长；
- 工业级设计，可靠性高。
- BJK-G series explosion-proof optical transmitter and receiver adopts explosion-proof construction, which comes in pairs including optical transmitter and optical receiver. The optical transmitter accepts electrical signal input and converts it into an optical signal output that changes according to the law of electrical signal, and the optical receiver accepts optical signal input and returns it to an electrical signal output consistent with that at the transmitting end.
- II C/D adopts thread explosion-proof construction, in aluminum alloy (high-voltage electrostatic spraying on surface), and in stainless steel (with anti-corrosion treatment on surface), which is waterproof, dustproof, high temperature resistance, and aging resistant.
- All-digital communication method, with high transmission quality and long distance.
- Industrial-grade design, with high reliability.

外形尺寸 Outline dimension



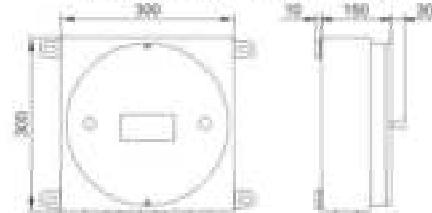
II B ATEX 铝合金 II B/D aluminum alloy



II C IIC 铝合金 II C/D aluminum alloy



II B ATEX 不锈钢 II B/D stainless steel



II C IIC 不锈钢 II C/D stainless steel

技术参数 Technical parameters

防爆参数 Explosion-proof parameters	
执行标准 Executive standards	GB3836.1, GB3836.2, GB12476.1, GB12476.5, IEC60079-0, IEC60079-1, IEC61241-0 IEC61241-1, EN60079-0, EN60079-1, EN61241-0, EN61241-1
防爆标志 Explosion-proof mark	Ex d II B T6 Gb / Ex tD A21 IP66 Ta0°C; Ex d II C T6 Gb / Ex tD A21 IP66 Ta0°C
防护等级 Protection rating	IP66
防腐等级 Corrosion-proof grade	WF2
电气指标 Electrical indicators	
工作电压 Working voltage	AC220V / DC12V
进线口螺纹 Inlet thread	标准配置规格为G1/2", 其它规格请注明。通头个数及尺寸大小根据光端机视频接口路数配置 The standard configuration specification is G1/2". and other specifications if used shall be specified specifications. The number and size of the through heads shall be configured according to the number of optical transceiver video interfaces
电缆外径 Cable OD	适合Φ6.5mm~Φ10mm电缆 Suitable for Φ6.5mm~Φ10mm cables
光学指标 Optical indicators	
标准 Standards	IEEE802.3u Fast Ethernet: 10/100Base-TX & 100Base-FX
连接器 Connector	RJ45-UTP & Fiber SC
LED指示灯 LED indicator lamp	Power/POE/Cold/FX-Link/Act; FX100, TX100
数据传输模式 Data transmission mode	10/100 Mbs
双工模式 Duplex Mode	Full or Half Duplex Mode
缆线 Cable	Cat.5 UTP cable
连接器 Connector	SC/FC/ST
光纤线缆 Optical fiber cable	单模/多模 SHMM
典型距离 Typical distance	20/2KM
工作波长 Working wavelength	1310 nm
Min TX PWR	-19.0dBm
Max TX PWR	-14.0dBm
Sensitivity	31.0dBm
Link Budget	12.0dBm



FJK-S 星光级网络红外枪型摄像机

FJK-S Starlight Network IR Gun Camera



IP
67

应用场景 Application

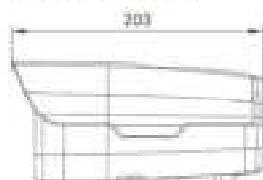
- 广泛应用于海洋工程各类作业平台、化学品船、船舶、码头等区域作监控之用。
- 耐受船舶的正常振动、冲击影响。
- Widely used for the supervisory control on various marine platforms, chemical tankers, ships and wharfs, etc.
- Can withstand the normal vibration and shock of the ship.



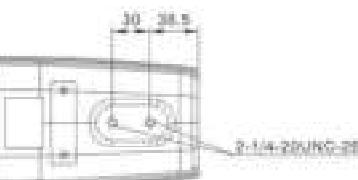
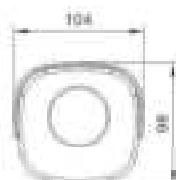
产品特性 Features

- 采用1/1.8大靶面传感器，满足星光级监控需求；
- 能智能判别环境照度，迅速切换到最佳图像模式，适应场景需要；
- 能在低照环境下完美捕捉运动物体与人脸，逐帧回放时可获取更多清晰度高的有效图像；
- 自适应强光抑制，夜晚摄像机能根据道路上是否有运动车辆，自动调节画面亮度；
- 自适应透雾，摄像机能根据雾霾严重程度，自适应调节透雾等级；
- 光学智能红外补光，夜间图像更均匀；
- 先进的H.265编码算法，压缩效率更高；
- 内置智能算法，可进行多种行为检测、异常检测、智能识别和统计分析；
- 网络自适应，丢包环境下提供有效监控；
- UPnP技术，解决公私网NAT穿越；
- 双路SCSI数据块直存；
- 支持RTSP访问鉴权认证，确保视频流请求合法；
- 支持IP过滤，有效屏蔽非法IP地址访问；
- 支持网关ARP绑定，防止网关MAC地址欺骗；
- 支持802.1X终端准入控制，提升终端接入安全；
- 1/1.8 large target surface sensor to meet the needs of super starlight supervisory control;
- Intelligent identification of the environmental illuminance, to quickly switch to the best image mode, and adapt to the needs of the scenario;
- Perfect capture of moving objects and faces in a low-light environment, and acquisition of more effective images with high definition when playing back frame by frame;
- Adaptive strong light suppression. The camera automatically adjusts the brightness of the images at night according to the presence of moving vehicles on the road;
- Adaptive fog penetration. The camera adaptively adjusts the fog penetration level according to the level of the haze;
- Optical intelligent infrared illuminator, making the night image more uniform;
- Advanced H.265 encoding algorithm, realizing higher compression efficiency;
- Built-in intelligent algorithm, which can perform a variety of behavior detection, abnormality detection, intelligent identification and statistical analysis;
- Network self-adaptation, providing effective supervisory control under packet loss environment;
- UPnP technology to solve NAT traversal for public and private networks;
- Direct storage in dual-channel SCSI data block;
- RTSP access authentication to ensure that the video stream request is legal;
- IP filtering, effectively blocking illegal IP address access;
- Gateway ARP binding to prevent gateway MAC address spoofing attack;
- 802.1X terminal access control to improve the terminal access security;

外形尺寸 Outline dimension



FJK-S



安装尺寸
Installed dimensions

技术参数 Technical parameters

摄像机 Camera	
成像器件 Imaging device	1/1.8inch逐行扫描200万像素CMOS图像传感器 1/1.8inch progressive-scan 2 million pixel CMOS image sensor
焦距 Focal length	2.8~12mm 电动变焦 2.8~12mm electric zoom
快门 Shutter	自动/手动，快门范围：1~1/100000s Auto/manual, shutter range: 1~1/100000s
视场角(水平) Field of view (horizontal)	34.7°~125.1°
视场角(垂直) Field of view (vertical)	19.2°~71.7°
视场角(对角) Field of view (diagonal)	42.7°~162.6°
信噪比 Signal-to-noise ratio	>52dB
宽动态 Wide dynamic range	120dB
日夜切换方式 Day-and-night switching mode	自动红外滤片切换彩转黑 Automatic infrared filter switching color to black
视频 Video	
编码协议 Encoding protocol	H.265, H.264, MJPEG Super 265, H.265, H.264, MJPEG
编码制式 Encoding standard	200万(1920*1080)最大60帧/秒 2 million (1920*1080) maximum 60 frames/sec
区域增强(HOI) Enhancement (HOI)	支持 Available
视频流 Video stream	三路流 Three streams
隐私遮盖 Privacy cover	支持 Available
智能 Intelligence	
行为检测 Behavior detection	越界检测、区域入侵、进入区域、离开区域、徘徊检测、快速移动、人员聚集、非法停车、遗留物检测、物品移除检测 Cross-border detection, region intrusion, region entering & leaving, wandering detection, fast moving, gathering of people, illegal parking, abandoned items detection, items removal detection
异常检测 Abnormality detection	场景变更、虚焦检测、遮挡检测、声音异常 Scenario change, virtual focus detection, occlusion detection, abnormal sound
智能识别 Intelligent identification	人脸检测 Face detection
统计分析 Statistical analysis	客流统计 Passenger flow statistics
网络 Network	
协议 Protocols	L2TP, IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SNMP, 802.1X等(etc.)
兼容性 Compatibility	ONVIF, GB/T28181, API
接口特性 Interface characteristics	
音频输入输出 Audio input and output	音频端子 输入口：阻抗35KΩ，幅值2V(p-p); 输出口：阻抗600Ω，幅值2V(p-p) Audio-wiring input port: Impedance 35KΩ, Amplitude 2V(p-p); Output port: impedance 600Ω, amplitude 2V(p-p)
告警接口 Alarm interface	2路告警输入, 1路告警输出, 告警联动可设置 2 channels of alarm inputs, 1 channel of alarm output, Alarm linkage can be set
串口 Serial port	RS485串口 RS485 serial port
网口 Network port	10M/100M自适应以太网电口 10M/100M adaptive Ethernet electrical port
通用特性 General features	
电源 Power supply	AC24V(±25%), DC12V(-10%~25%), 支持POE供电(IEEE802.3af) AC24V (+25%) DC12V (-10%~25%) compatible with POE power supply (IEEE802.3af) 功耗：≤14W, 过压/过流保护, 输入短路保护 Power consumption: ≤14W, overvoltage/overcurrent protection, input short-circuit protection
尺寸(长x宽x高) Dimension (L × W × H)	202.9 × 104.1 × 98.4mm
材质 Material	精铝+塑胶 Cast aluminum + plastic
重量 Weight	1.2kg(2.65lb)
工作环境 Working environment	-35°C~50°C(-31°F ~ 122°F), 10%RH~95%RH
防护等级 Protection rating	IP67



FJK-Q 星光级智能高清球形网络摄像机

FJK-Q Starlight Intelligent HD Spherical Network Camera



应用场景 Application

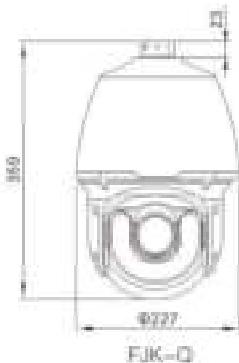
- 广泛应用于海洋工程各类作业平台、化学品船、船舶、码头等区域作监控之用。
- 耐受船舶的正常振动、冲击影响。
- Widely used for the supervisory control on various marine platforms, chemical tankers, ships and wharfs, etc.
- Can withstand the normal vibration and shock of the ship.



产品特性 Features

- 光学智能红外补光，夜问图像更均匀；
- 采用高灵敏度传感器，满足星光级监控需求；
- 33倍(4.5~148.5mm)光学变倍，看得更广、更远；
- 120dB光学宽动态，满足高反差场景监控需求，并根据环境变化自适应切换宽动态效果；
- 同时提供以太网电口和SFP光口，并支持光电串接；
- 自适应透雾，摄像机能根据雾霾严重程度，自适应调节透雾等级；
- H.265、SVC可伸缩视频编码算法，压缩效率更高，应用广泛；
- 支持1080P/60fps，运动图像更流畅；
- AAC-LC宽频音频编码，支持48kHz音频采样率；
- 音频1入1出，告警2入1出，1路RS485串口，1路BNC接口；
- 最大128G Micro SD卡；
- IP66防护等级；
- Optical intelligent infrared illuminator, making the night image more uniform;
- High-sensitivity sensors to meet the needs of starlight supervisory control;
- 33 times (4.5 ~ 148.5mm) optical zoom, for wider and further vision;
- 120dB optical wide dynamic range, meeting the supervisory control needs of high-contrast scenarios. The effects of wide-dynamic-range can be adaptively switched according to environmental changes;
- Provision of both Ethernet electrical port and SFP optical port at the same time, and supporting serial connection of photoelectric sensors;
- Adaptive fog penetration; The camera adaptively adjusts the fog penetration level according to the level of the haze;
- H.265, SVC scalable video coding algorithm, with higher compression efficiency, and flexible application;
- Supporting 1080P/60fps, with smoother moving images;
- AAC-LC wideband audio coding, supporting 48kHz audio sampling rate;
- 1 input and 1 output for audio, 2 inputs and 1 output for alarm, 1 RS485 serial port, and 1 BNC interface;
- 128G Micro SD card at the maximum;
- IP66 protection rating.

外形尺寸 Outline dimension



技术参数 Technical parameters

摄像机 Camera	
成像器件 Imaging device	1/1.8inch逐行扫描200万像素CMOS图像传感器 1/1.8inch progressive scan 2 million pixel CMOS image sensor
焦距/变倍 Focal length/zoom	焦距范围：4.5~148.5mm, 33倍光学变倍 Focal length range: 4.5~148.5mm, 33 times optical zoom
最低照度 Minimum illumination	0.002lux(F1.6, AGC ON, 彩色), 0lux (开启红外) 0.002lux (F1.6, AGC ON, color), 0lux (IR lamp on)
视频 Video	
编码协议 Encoding protocol	H.265、H.264、MJPEG
编码帧式 Encoding standard	1080P(1920*1080)最大60帧/秒 1080P(1920*1080) maximum 60 frames/sec.
CSD	时间、自定义、预置位、云台坐标、变倍、串口信息、方位信息、网口信息 Time, customization, preset point, pan-tilt head coordinates, zoom, serial port information, orientation information, network port information
智能 intelligence	
行为检测 Behavior detection	运动检测、越界检测、区域入侵、进入区域、离开区域、徘徊检测、快速移动、人员聚集、停车检测、物品遗留、物品搬移、自动跟踪 Motion detection, cross-border detection, regional intrusion, region entering & leaving, wandering detection, fast moving, gathering of people, parking detection, abandoned items, items moving, automatic tracking
智能识别 Intelligent identification	支持单车道、双车道或三车道场景下的车辆特征识别 车牌识别：车牌号码、车牌颜色 机非人识别：机动车、非机动车、行人。 Vehicle feature identification in single-lane, two-lane or three-lane scenarios License plate identification: license plate number and color Motor vehicles, non-motor vehicles, & pedestrians identification: motor vehicles, non-motor vehicles, and pedestrians
统计分析 Statistical analysis	客流量统计、机非人流量统计 Flow statistics of passengers, and motor vehicles, non-motor vehicles, and pedestrians
智能抓拍 Intelligent capture	人脸抓拍、定时抓拍、限时抓拍、预置位抓拍、事件抓拍 Face capture, timed capture, capture at regular intervals, preset point capture, event capture
网络 Network	
兼容接入 Compatible with connection of	ONVIF、GB/T28181、IMOS、API
结构特性 Structural characteristics	
水平范围/速度 Horizontal range/speed	水平范围：360°；水平速度0.1°/s~240°/s；预置位速度：300°/s Horizontal range: 360°; horizontal speed 0.1°/s~240°/s, preset point speed: 300°/s
垂直范围/速度 Vertical range/speed	垂直范围：-15°~90°(自动翻转)；垂直速度：0.1°~160°/s；预置位速度：240°/s Vertical range: -15°~90° (automatic turning over); vertical speed: 0.1°~160°/s, preset point speed: 240°/s
预置位 Preset points	256个(256 lines)
巡航 Cruise	支持预置位巡航、轨迹巡航与录制巡航 Preset point cruise, track cruise and record cruise
看守位 Watch position	支持 Available
接口特性 Interface characteristics	
告警接口 Alarm interface	2路告警输入，1路告警输出。告警联动可设置 2 channels of alarm inputs, 1 channel of alarm output. Alarm linkage can be set.
网口 Network port	100M/1000M SFP单模光口(PC)+10M/100M/1000M自适应以太网电口，支持光电直连 100M/1000M SFP single-mode optical port (PC)+10M/100M/1000M adaptive Ethernet electrical port, supporting optical and electrical direct connection
电源 Power supply	接线端子，AC 24V ±25% (默认电源) , DC 24V ±25%；支持过压/过流保护，6KV防雷设计 Connection terminal, AC24V±25% (default power supply), DC24V±25%; overvoltage / overcurrent protection, and 6KV lightning protection design
通用特性 General features	
重量 Weight	5.4kg
功耗 Power consumption	静态8W, 最大功耗52.5W Static 8W, maximum power consumption 52.5W
工作环境 Working environment	-40°C~70°C, 10%~90%RH
防护等级 Protection rating	IP66



HR-NVR5000 网络硬盘录像机

HR-NVR5000 Network Hard Disk Recorder



应用场景 Application

- 广泛应用于海洋工程各类作业平台、化学品船、船舶、码头等区域作监控之用。
- 耐受船舶的正常振动、冲击影响。
- Widely used for the supervisory control on various marine platforms, chemical tankers, ships and wharfs, etc.
- Can withstand the normal vibration and shock of the ship.



产品特性 Features

- 双千兆网卡，支持双网络IP设置等应用；
- 可接驳符合ONVIF、RTSP协议的第三方摄像机；
- 支持国家标准GB28181(2016)协议；
- 支持U-Code智能编码技术；支持H.265、H.264编码；
- 支持4K高清网络视频的预览、存储与回放；
- 支持2个HDMI、1个VGA、1个CVBS接口。其中HDMI1、VGA和CVBS同源输出，HDMI2和HDMI1、VGA、CVBS异源输出，HDMI2最高支持4K显示输出；
- 支持最大16路同步播放和多路同步倒放；
- 支持人脸检测、区域入侵、越界检测、音频检测多种智能检测接入和联动；
- 支持对人脸图片的实时检索和备份；
- 支持RAID 0/1/5/6/10；
- 支持N+1热备功能；
- 支持网络检测(网络流量监控、网络抓包、网络资源统计)功能；
- 支持UPnP(通用即插即用)、NTP(网络校时)、SMTP(邮件服务)、FTP(文件传输)、PPPoE(拨号上网)、DDNS(动态域名解析)、DHCP(自动获取IP地址)、NFS(接入NAS)、UNP(NAT穿越)；
- 支持手机客户端访问。
- Dual-port gigabit network card, supporting dual network IP settings and other applications;
- Can be connected to third-party cameras that comply with ONVIF and RTSP protocols;
- Compatible with the national standard GB28181 (2016) protocol;
- Support intelligent U-Code coding technology; support H.265, H.264 coding;
- Support 4K HD network video preview, storage and playback;
- Support two HDMI, one VGA, one CVBS interface, of which HDMI1, VGA and CVBS are output from the same source. HDMI2 and HDMI1, VGA, CVBS are output from different sources, and HDMI2 supports up to 4K video card output;
- Support up to 16-channel synchronous playback and multi-channel synchronous reversing;
- Support a wide range of intelligent detection access and linkage for face detection, area intrusion detection, cross-border detection, and audio detection;
- Support real-time retrieval and backup of face pictures;
- Support RAID 0/1/5/6/10;
- N+1 hot backup function;
- Network detection (network traffic monitoring, network packet capture, network resource statistical functions);
- UPnP (universal plug and play), NTP (network timekeeping), SMTP (mail service), FTP (file transfer), PPPoE (dial-up Internet access), DDNS (dynamic domain name system), DHCP (automatically providing an IP address), NFS (access to NAS), UNP (NAT traversal);
- Mobile client access.

外形尺寸 Outline dimension



技术参数 Technical parameters

参数 Parameters	HR-NVR5016	HR-NVR5032	HR-NVR5064
解码 Decoding			
视频解码 Video decoding	支持H.265、H.264 H.264 MP4L4、H.264 MP4L3 Support H.265, H.264 H.264 MP4L4, H.264 MP4L3		
解码能力 Decoding capability	3 x 12MP@25, 4 x 4K@30, 9 x 4MP@25, 16 x 1080P@30, 32 x 960P@25, 36 x 720P@30, 64 x D1		
音视频 Audio & video			
网络视频输入 Network video input	16路 16 channels	32路 32 channels	64路 64 channels
网络视频接入带宽 Network video access bandwidth	160Mbps	320Mbps	320Mbps
HDMI输出 HDMI output	2路 2 channels HDMI1分辨率 (Resolution): 1024x768/60Hz, 1280x720/60Hz, 1280x1024/60Hz, 1600x1200/60Hz, 1920x1080/50Hz, 1920x1080/60Hz HDMI2分辨率 (Resolution): 1024x768/60Hz, 1280x720/60Hz, 1280x1024/60Hz, 1600x1200/60Hz, 1920x1080/50Hz, 1920x1080/60Hz, 4K(3840x2160)/30Hz, 4K(3840x2160)/60Hz		
VGA输出 VGA output	1路 1 channel VGA 分辨率 (Resolution): 1024x768/60Hz, 1280x720/60Hz, 1280x1024/60Hz, 1600x1200/60Hz, 1920x1080/50Hz, 1920x1080/60Hz		
普通预览分离模式 General preview split screen mode	1/4/6/8/9/16画面 (Screen)	1/4/6/8/9/16/25/36画面 (Screen)	1/4/6/8/9/16/25/36画面 (Screen)
音视频编解码 Audio and video encoding/decoding			
录像分辨率 Recording resolution	12MP/8MP/6MP/5MP/4MP/3MP/1080P/960P/720P/960H/D1/QCIF/QIF/QCIF		
同步回放 Synchronous playback	16		
回放模式 Playback mode	即时回放、普通回放、事件回放、标签回放、智能回放、日志回放、图片回放、外部文件回放 Instant playback, normal playback, event playback, label playback, intelligent playback, log playback, picture playback, external file playback		
备份模式 Backup mode	常规备份、图片备份、录像剪辑备份 Regular backup, pictures backup, video-clip backup		
硬盘驱动 Hard disk drive			
类型 Type	8个SATA接口，1个eSATA接口 Eight SATA interfaces, one eSATA interface		
容量 Capacity	每个接口均支持500GB/1TB/2TB/3TB/4TB/5TB/6TB/8TB 等容量硬盘 Each interface supports hard drives with 500GB/1TB/2TB/3TB/4TB/5TB/6TB/8TB and other capacities		
外部接口 External interface			
网口 Network port	2个 RJ45 10M/100M/1000M自适应以太网电口 Two RJ45 10M/100M/1000M adaptive electrical Ethernet interface		
报警输入接口 Alarm input interface	16路 16 channels		
报警输出接口 Alarm output interface	4路 4 channels		
其他 Misc.			
电源 Power supply	交流供电, 100~240V AC, 带电源开关 AC power supply, 100-240V AC, with power switch		
功耗(不含硬盘) Power consumption (without hard disk)	≤ 20W		
工作温度 Working temperature	-10°C ~ +55°C		
工作湿度 Working humidity	10% ~ 90%(无冷凝) 10% ~ 90% (non-condensing)		
重量(不含硬盘) Weight (without hard disk)	≤ 5.13Kg		



HR-JKJZ8000 网络数字高清矩阵

HR-JKJZ8000 Network Digital HD Matrix



应用场景 Application

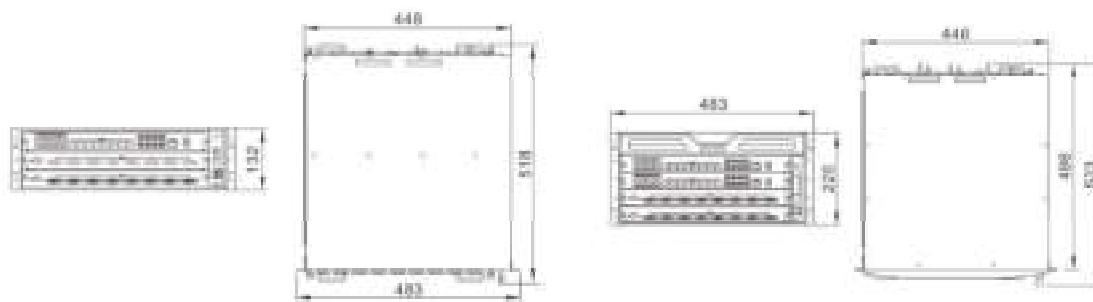
- 广泛应用于海洋工程各类作业平台、化学品船、船舶、码头等区域作监控之用。
- 耐受船舶的正常振动、冲击影响。
- Widely used for the supervisory control on various marine platforms, chemical tankers, ships and wharfs, etc.
- Can withstand the normal vibration and shock of the ship.



产品特性 Features

- 采用嵌入式Linux操作系统，支持7×24小时稳定运行，不易受到黑客、病毒的入侵和攻击；
- 插卡式设计，可灵活业务灵活配置，正反双面插槽，密度更高，能耗更低；
- 大屏拼接，支持任意位置开窗，支持图层拼接、缩放、漫游、叠加以及时钟级同步；
- 电源冗余，智能温控，稳定可靠；
- 支持HDMI、DVI、VGA、IP视频输入，支持DVI视频输出，支持音频输出；
- 最大解码分辨率1600W；
- 支持小间距LED使用；
- 支持G.711A、G.711U、AAC-LC的音频格式的解码；
- 支持组播；
- 支持H265协议，兼容H264；
- 插入的板卡支持热插拔；
- 支持场景管理，可保存添加场景，方便操作。
- Embedded Linux operating system, 7x24 hours stable operation, not easy to be attacked by hackers or viruses.
- Plug-in card design, which can be flexibly configured according to businesses. Front and back double-sided slots, realizing higher density and lower energy consumption.
- Large screen splicing. Support window opening at any points, and support splicing, zooming, masking, overlay and synchronization with clock.
- Power redundancy, intelligent temperature control which is stable and reliable.
- Support: HDMI, DVI, VGA, IP video input, and support DVI video output and audio output;
- Maximum decoding resolution of 1600W;
- Support the use of small-pitch LED;
- Support decoding of audio in G.711A, G.711U, AAC-LC format;
- Support multicast;
- Support H265 protocol and compatible with H264;
- The connected board is hot swappable;
- Support scenarios management, allowing for scenarios saving and addition through easy operation.

外形尺寸 Outline dimension



技术参数 Technical parameters

参数 Parameters	HR-JK/Z8004	HR-JK/Z8006
主机箱 Main rack		
机箱高度 Rack height	3U	5U
主控板槽位 Main control board slot	1	2
业务板槽位 Business board slot	4	6
电源槽位 Power supply slot	3	4
主控系统 Main control system		
网口 Network port	提供8个100M/1000M Base-T自适应的RJ45以太网口 Eight 100M/1000M Base-T adaptive RJ45 Ethernet interface	
光口 Optical port	提供8个光口 8 optical ports	
串口 Serial port	提供4个RJ45接口的RS232串口，4个RJ45的RS485接口，兼容RS422 Four RS232 serial ports with RJ45 interface, and four RS485 interfaces with RJ45, compatible with RS422	
USB口 USB interface	提供2个USB3.0 Two USB3.0	
输出参数 Output parameters		
HDMI输入制式 HDMI input format	XGA: 1024*768@60Hz 720P: 1280*720@60Hz SXGA: 1280*1024@60Hz 1080P: 1920*1080@60Hz UXGA: 1600*1200@60Hz 其他分辨率 (Other resolution): 1680*1050@60Hz	
VGA输入制式 VGA input format	XGA: 1024*768@60Hz 720P: 1280*720@50Hz, 1280*720@60Hz SXGA: 1280*1024@60Hz UXGA: 1600*1200@60Hz WXGA+: 1440*900@60Hz 1080P: 1920*1080@50Hz, 1920*1080@60Hz	
DVI输出制式 DVI output format	XGA: 1024*768@60Hz 720P: 1280*720@60Hz SXGA: 1280*1024@60Hz WXGA+: 1440*900@60Hz UXGA: 1600*1200@60Hz 1080P: 1920*1080@60Hz	
DVI输入制式 DVI input format	XGA: 1024*768@60Hz 720P: 1280*720@50Hz, 1280*720@60Hz SXGA: 1280*1024@60Hz UXGA: 1600*1200@60Hz WXGA+: 1440*900@60Hz 1080P: 1920*1080@50Hz, 1920*1080@60Hz	
硬件参数 Hardware parameters		
重量 Weight	设备满配重量≤35kg Weight of fully configured equipment ≤ 35kg	设备满配重量≤35kg Weight of fully configured equipment ≤ 35kg
整机功耗 Total power consumption	< 700W	< 1000W
工作环境温度 Working environment temperature	0°C~40°C	0°C~40°C
工作环境湿度 Humidity in working environment	20%~80%(无冷凝 Non-condensing)	20%~80%(无冷凝 Non-condensing)



应用场景 Application

- 广泛应用于海洋工程各类作业平台、化学品船、船舶、码头等区域作监测之用。
- 耐受船舶的正常振动、冲击影响。
- Widely used for the supervisory control on various marine platforms, chemical tankers, ships and wharfs, etc.
- Can withstand the normal vibration and shock of the ship.



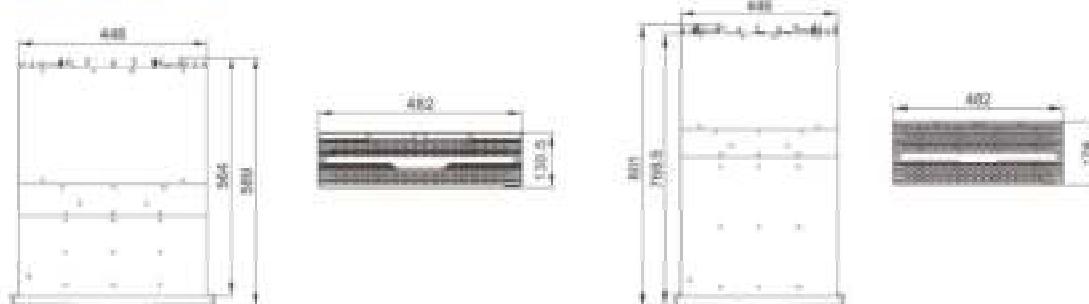
产品特性 Features

- 超强管理：支持对IPC、NVR、编码器、解码器、网络硬盘、报警主机、门禁主机等设备的统一接入管理；
- 超强性能：支持接入1024Mbps，存储1024Mbps，转发1024Mbps；
- 强兼容性：支持标准ONVIF、GB/T28181协议；
- 多种业务：支持实况、回放、轮巡、电视墙、电子地图、语音对讲、报警联动等功能；
- 灵活访问：支持C/S客户端、B/S客户端、移动客户端(phone、android手机、iPad)；
- 智能应用：支持绊线、入侵、人脸识别、客流统计等智能化功能，并进行报警或报表等业务展现；
- 安全可靠：支持802.1x认证、ARP防攻击、HTTPS安全链接，支持网络安全狗，负载均衡，多IP设置；
- 稳定可靠：部件模块化、无连接设计，模块之间全部使用电信级连接器互连；软硬件看门狗watchdog，系统故障无须人为介入系统可自动恢复业务正常；硬件过载保护机制，当温度异常升高达到硬件保护门限，则系统会自动关机以保护硬盘数据；电源模块冗余设计，支持在线热插拔及更换；
- 数据保护：数据保险箱功能，在系统异常断电后，电池继续供电以保证将缓存数据写入数据保险箱，保证数据的完整性；
- RAID保护：硬盘容错处理，当阵列多个硬盘错误的情况下，仍然保证业务可持续；阵列自动巡检和硬盘故障修复、硬盘坏块重映射功能有效降低磁盘故障；硬盘预拷贝，支持磁盘健康管理，对有风险的磁盘提前进行数据预拷贝；
- 高密设计：4U48盘位存储，前面板维护，支持硬盘在线热插拔；
- 简易维护：图形化多设备管理，全面实时环控检测，强大全面的设备告警机制，支持指示灯告警、邮件告警、蜂鸣告警、短信告警、数码管告警、SNMP告警等。
- Super management: support unified access management of IPC, NVR, encoder& decoder, network keyboard, alarm host, access control host, and other equipment;
- Super performance: support 1024Mbps access, 1024Mbps storage, and 1024Mbps forwarding;
- High compatibility: support standard ONVIF, GB/T28181 protocols;
- Multiple services: support live streaming, playback, polling, video wall, electronic map, voice intercom, alarm linkage control and other functions;
- Flexible access: support C/S client, B/S client, mobile client (iphone, android mobile phone, iPad);
- Intelligent applications: support intelligent functions such as tripwire, intrusion and face detection, passenger flow statistics, etc., and perform services presentations such as alarms or reports;
- Security and reliability: support 802.1X authentication, ARP anti-attack, HTTPS secure IP, and support network fault tolerance, load balancing, and multiple IP settings;
- Stability and reliability: modular components with cable-free design, which are interconnected by carrier-grade connectors software and hardware watchdog, realizing automatic recovery of system failure without human intervention normal services; hardware overload protection mechanism, which makes the system to automatically shut down to protect the disk data when the temperature rises abnormally to the hardware protection threshold; power module redundancy design, which supports online hot-swapping and replacement;
- Data protection: data safe function, into which the cached data is written when the system is abnormally powered off relying on the continuous power supply from the battery to ensure the integrity of the data;
- RAID protection: Disk fault tolerance, through which the services continue to function when multiple disks in the array are faulty; automatic array inspection and disk fault repair, and bad block remapping which effectively reduce disk failures; disk pre-copy which performs disks health management and pre-copies data for risky disks in advance;
- High-density design: 4U 48-bay storage, front panel maintenance, and hot swappable disks;
- Low maintenance: Graphical management of multiple devices, comprehensive and real-time environmental control and detection, powerful and all-round equipment alarm mechanism, which supports indicator alarm, email alarm, buzzer alarm, SMS alarm, digital tube alarm, SNMP alarm, etc.

技术参数 Technical parameters

参数 Parameters	WR2.0IMS-B260-A16	WR2.0IMS-B260-A24	WR2.0IMS-B260-A36	WR2.0IMS-B260-A48
管理 Management				
视频管理 Video management	2000台设备，4000路视频通道 2000 devices, 4000 video channels			
接入性能 Access performance	1024Mbps			
用户管理 User management	最大用户数1000个，最大并发在线用户数500个 Maximum users: 1000, and maximum concurrent online users: 500			
设备管理 Device management	支持接入IPC、NVR、编码器、解码器、网络硬盘、门禁主机、告警主机、云端设备 Support access to IPC, NVR, encoder, decoder, network keyboard, access control host, alarm host, and cloud devices			
播放控制 Play control	支持单屏1/3/4/5/6/7/8/9/10/13/16/17/25/32/36/64画面分割 支持走廊模式 Support screen splitting of 1/3/4/5/6/7/8/9/10/13/16/17/25/32/36/64 single screens 支持走廊模式 Support corridor mode 支持3个辅屏播放 Support 3 auxiliary screen playback			
录像回放 Video playback	支持调看NVR录像 Support playback of NVR video 支持52路2M录像同时回放，支持最多16路同步回放 Support simultaneous playback of 52 channels of 2M videos, and simultaneous playback of up to 16 channels			
告警特性 Alarm features	指示灯告警、蜂鸣器告警、邮件告警、SNMP Trap告警、短信告警、数码管告警等 Indicator light alarm, buzzer alarm, email alarm, SNMP Trap alarm, SMS alarm, digital tube alarm, etc.			
存储 Storage				
磁盘通道数 Number of disk channels	16	24	36	48
硬盘类型 Disk type	1TB/2TB/3TB/4TB/5TB/6TB/7TB/10TB/12TB/14TB SATA			
RAID功能 RAID function	支持 Support JBOD, RAID 0, 1, 5, 6, 10, 50 支持自动空白盘全局热备、专有热备等多种热备方式 Support many hot backup methods such as automatic global hot backup of blank disks, proprietary hot backup, etc.			
外部接口 External interface				
网口 Network port	3个10M/100M/1000M自适应以太网口 Three 10M/100M/1000M adaptive Ethernet interfaces		5个10M/100M/1000M自适应以太网口 Five 10M/100M/1000M adaptive Ethernet interfaces	
扩展接口 Expansion interface	1个PCIe插槽 One PCIe slot	2个PCIe插槽 Two PCIe slots	1个PCIe插槽 One PCIe slot	1个PCIe插槽 One PCIe slot
PCIe插槽：支持4端口千兆网卡/2端口万兆以太网卡/4端口万兆以太网卡 PCIe slot: support 4-port Gigabit Ethernet card/2-port 10 Gigabit Ethernet card/4-port 10 Gigabit				
其他 Misc.				
电源 Power supply	1+1冗余，交流电源：100V~127V/200V~240V AC; 50Hz/60Hz 1+1 redundancy, AC power supply: 100V ~ 127V/200V ~ 240V AC, 50Hz/60Hz			
满配磁盘功耗 Power consumption with fully configured disks	<320W	<400W	<550W	<650W
工作温度 Working temperature	5°C~40°C (推荐环境温度10°C~35°C) 5°C~40°C (Recommended ambient temperature: 10°C~35°C)			
满配重量重量 Weight with fully configured disks	<30kg	<42kg	<50kg	<60kg

外形尺寸 Outline dimension



专用支架及附件 Special bracket and accessories

YT1 半固定云台

YT1 Semi-fixed pan-tilt head



- 在不需要摄像头有旋转、扫描功能的固定监视点，可以安装半固定云台。摄像头可以在水平30°，垂直±60° 手动调整。
- 产品重量：0.5kg
- Semi-fixed pan-tilt head can be installed at fixed monitoring points that do not require the rotating and scanning functions, where the camera are manually adjusted at 30° horizontally and ±60° vertically.
- Weight: 0.5kg



(1)BLK-S系列防爆摄像机 (2)YT1半固定云台 (3)ZJ002安装支架

(1)BLK-S series explosion-proof camera (2)YT1 semi-fixed pan-tilt head (3)ZJ002 mounting bracket

ZJ001 安装支架

ZJ001 Mounting bracket



- 用于支撑和固定工业电视监控系统各种前端设备的辅助装置。除以下类型产品外，根据现场固定需要，可特别设计各类型支架。
- 在不需要摄像头有旋转、扫描功能的固定监视点，用半固定云台作为安装摄像头的关键固定装置。
- 产品重量：3.5kg Weight: 3.5kg
- Auxiliary device used to support and fix various front-end equipment of industrial TV supervisory control system. A wide range of brackets may be specially designed according to the needs of field mounting besides the following typical products.
- Semi-fixed pan-tilt head is used as a support fixture for installing camera at fixed monitoring points that do not require the rotating and scanning functions.



ZJ002 安装支架

ZJ002 Mounting bracket



- 在需要摄像头有旋转、扫描功能的全方位监视点，可以安装BLK-YT系列防爆一体式摄像机。

产品重量：4kg

- It is used to install BLK-YT series explosion-proof integrated camera at omni-directional monitoring points that require the rotating and scanning functions.
- Weight: 4kg

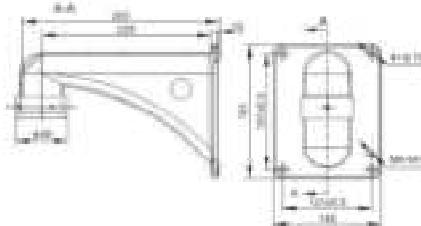


ZJ003 安装支架

ZJ003 Mounting bracket

BLK-Q防爆球形摄像仪专用壁装支架
Wall mount bracket for BLK-Q explosion-proof spherical cameras

- 材质：不锈钢
- 安装方式：挂架式
- 产品重量：2.2kg
- Material: stainless steel
- Installation mode: wall-mounted
- Weight: 2.2kg



ZJ004 安装支架

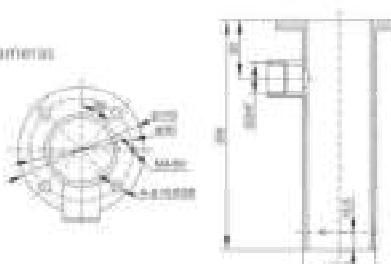
ZJ004 Mounting bracket



BLK-Q防爆球形摄像仪专用吊装支架

Ceiling mount bracket for BLK-Q explosion-proof spherical cameras

- 材质：不锈钢
- 安装方式：吊装式
- Material: stainless steel
- Installation mode: ceiling-mounted



ZJ005 角式安装过渡件

ZJ005 Crossover parts for corner-mounting



- 材质：优质碳素钢或不锈钢

适用型号：ZJ001

- 安装方式：专为外墙内嵌设计的支架过渡件

Material: high-quality carbon steel or stainless steel

Applicable model: ZJ001

- 安装方式：支架过渡件专为外墙内嵌设计

Installation mode: bracket crossover part specially designed for exterior wall corners

H

防爆空调系列

EXPLOSION-PROOF AIR CONDITIONERS
series

打造一流船用和海工品牌

Create
A Famous Marine & Offshore
Products Brand





应用场景 Application

- 广泛应用于海洋工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域；
- 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- 适用于爆炸性危险环境1区、2区场所。
- Widely used on various marine platforms, chemical tankers, LNG ships and hazardous cargo wharf, etc.
- Can reliably work in severe environment exposed in moisture, vibration or corrosion.
- Explosive hazardous atmosphere Zone 1, Zone 2.



室内机 Indoor unit



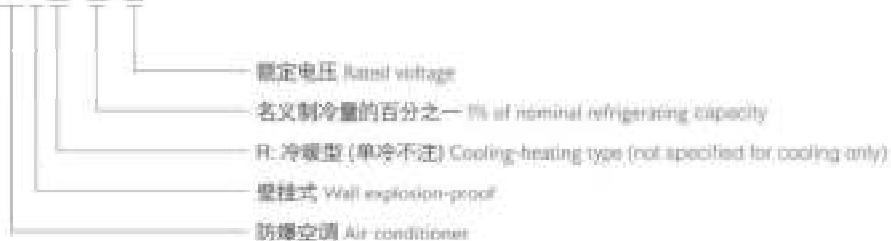
室外机 Outdoor unit



控制箱 Control box

型号含义 Catalogue Number Logic

BKF□-□/□



产品特性 Features

- 防爆空调设备主要是在国内外品牌机的基础上采用特殊的工艺处理方法和制造方法进行防爆处理，保证空调机满足防爆要求；
- 一般情况下，为提高产品的安全性能及用户现场操作的可靠性，防爆分体壁挂式空调遥控器直接固定在室内控制箱上，采用本安电源，无须外加电池，工作安全可靠；
- 防爆分体壁挂式空调按功能分为：单冷型和冷暖型；
- 制冷、制热性能稳定、可靠，使用寿命长；
- 采用LED或液晶显示，便于操作；
- 结构紧凑，外形美观大方；
- 可定制不锈钢外壳产品。
- On the basis of domestic and foreign brand air conditioners, special processes and manufacturing methods related to explosion prevention are adopted to ensure that the air conditioner meets explosion-proof requirements.
- Generally, to improve product safety and on-site operation reliability, the remote controller of the explosion-proof split wall air conditioner is directly secured on the indoor control box and powered by intrinsic-safety type sources without additional batteries to ensure safe and reliable operation.
- Explosion-proof split wall air conditioners fall into two types by function: cooling only and cooling-heating type.
- Stable and reliable refrigeration and heating performance, and long service life.
- User friendly LED or LCD.
- Compact structure and beautiful appearance.
- Customized stainless steel shell.

技术参数 Technical parameters

型号规格 Model & spec.		BKF-25/220	BKFR-25/220	BKF-35/220	BKFR-35/220
制冷量(W) Refrigerating capacity	/	2600	2600	3500	3500
制热量(W) Heating capacity	/	/	2680	/	3900
额定电压/频率(V/Hz) Rated voltage/frequency	/	220/50	220/50	220/50	220/50
输入功率(HP) Input power (horsepower)	1P	1P	1P	1.5P	1.5P
制冷输入功率/电流(W/A) Input power/current during cooling	/	7429.3*	7429.3*	10154.6*	10154.6*
制热输入功率/电流(W/A) Input power/current during heating	/	7983.6*	/	11905.4*	/
适用面积(m ²) Effective area	/	10~15*	10~12*	14~21*	13~18*
噪音(dB) Noise	室内 Indoor	34.8/38.8*	34.8/38.8*	36.8/40.8*	36.8/40.8*
	室外 Outdoor	49*	49*	50*	50*
外形尺寸(mm) Outline dimensions	室内机 Indoor unit	265 x 790 x 170*	265 x 790 x 170*	275 x 845 x 180*	275 x 845 x 180*
	室外机 Outdoor unit	540 x 848 x 320*	540 x 848 x 320*	540 x 848 x 320*	596 x 899 x 378*
重量(kg) Weight	控制箱 Control box	300 x 500 x 190*			
	室内机 Indoor unit	9*	12*	10*	10*
	室外机 Outdoor unit	37*	44*	38*	41*
连接管长度(m) Length of connecting pipe	/	4	4	4	4

型号规格 Model & spec.		BKF-50/220	BKFR-50/220	BKF-71/220	BKFR-71/220
制冷量(W) Refrigerating capacity	/	5000	5000	7260	7260
制热量(W) Heating capacity	/	/	5700	/	8100
额定电压/频率(V/Hz) Rated voltage/frequency	/	220/50	220/50	220/50	220/50
输入功率(HP) Input power (horsepower)	2P	2P	3P	3P	3P
制冷输入功率/电流(W/A) Input power/current during cooling	/	14326.5*	14326.5*	2200/10*	2200/10*
制热输入功率/电流(W/A) Input power/current during heating	/	16907.6*	/	2600/11.8*	/
适用面积(m ²) Effective area	/	24~36*	22~27*	29~48*	27~34*
噪音(dB) Noise	室内 Indoor	40/45*	40/45*	48*	48*
	室外 Outdoor	53*	53*	56*	56*
外形尺寸(mm) Outline dimensions	室内机 Indoor unit	325 x 1100 x 227*	298 x 940 x 200*	326 x 1178 x 253*	326 x 1178 x 253*
	室外机 Outdoor unit	665 x 860 x 330*	700 x 965 x 300*	790 x 980 x 440*	790 x 980 x 440*
重量(kg) Weight	控制箱 Control box	300 x 500 x 190*	300 x 500 x 190*	300 x 500 x 190*	300 x 500 x 190*
	室内机 Indoor unit	13*	13*	18*	18*
	室外机 Outdoor unit	52*	54*	65*	65*
连接管长度(m) Length of connecting pipe	/	4	4	4	4

注：1. 以上带“*”参数仅供参考，具体数据以产品铭牌或相关产品说明书为准；2. 因公司发展需要，产品在不断更新，如有更改，恕不另行通知。

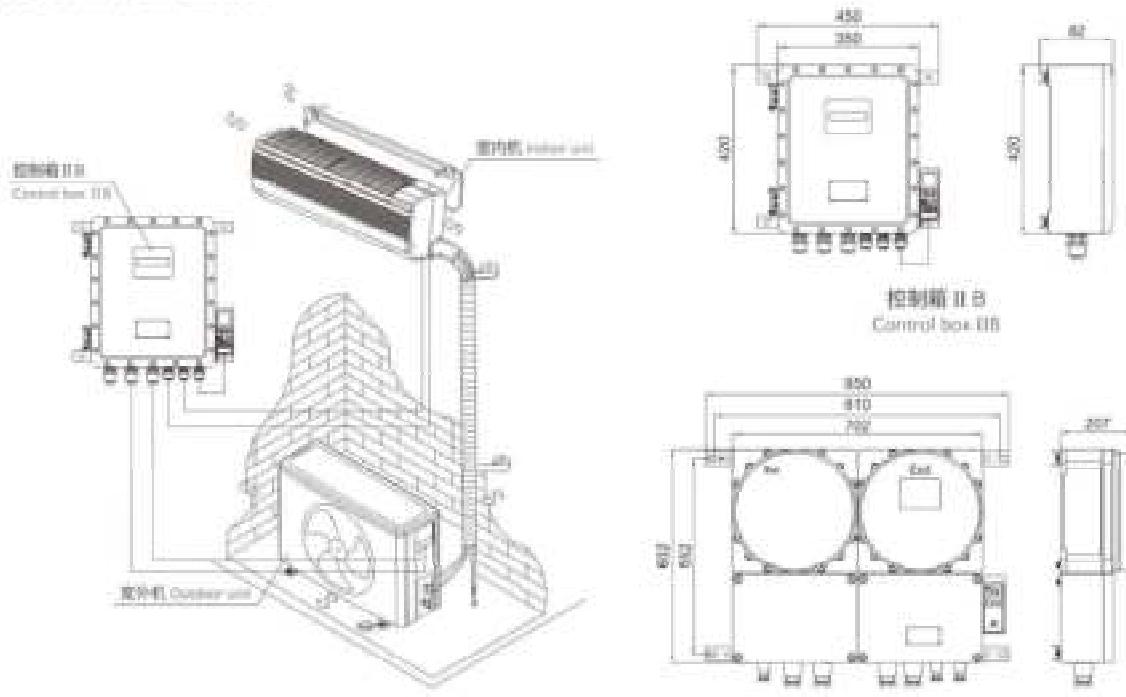
Notes: 1. Parameters with "*" are for reference only, and subject to the product nameplate or relevant product manual.

2. Parameters may change without notice as products are updated to meet the Company's development needs.

产品描述 Product description

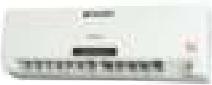
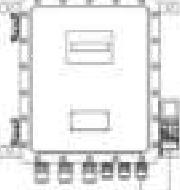
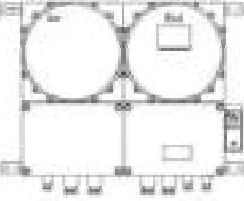
- 执行标准：GB3836.1、GB3836.2、GB3836.3、GB3836.4、GB3836.9、IEC60079-0、IEC60079-1、IEC60079-11、IEC60079-15、IEC60079-18、EN60079-0、EN60079-1、EN60079-11、EN60079-15、EN60079-18；
- 防爆标志：Ex d Iib mb IIB T4 Gb/Ex tD Iib mbD A21 IP65 T130°C, Ex d Iib mb IIC T4 Gb;
- 壁挂式防爆空调主要是在普通空调的基础上，对室外机和室内机分别进行防爆处理，具体如下：
- 室外机：主要是采用特殊工艺处理方法和制造方法对内部电器控制部分、压缩机、室外风机、保护系统、散热系统、制冷系统进行防爆处理，其外形尺寸与普通挂式空调室外机的外形尺寸相同，其安装方式也与普通挂式空调室外机相同；
- 室内机：主要是采用特殊工艺处理方法和制造方法对内部电器控制部分解体后，重新进行防爆设计、制造处理，形成独立的防爆控制箱，并实现手动控制功能。其挂机外形尺寸与普通挂式室内机的外形尺寸相同，其安装方式也与普通挂式室内机相同。但防爆室内机增加了一个挂式安装的防爆控制箱，其外形尺寸见技术参数；
- 防爆室内机和室外机采用了多种防爆处理结构，弱电控制部分采用了本安型防爆电路。
- Applicable standards: GB3836.1, GB3836.2, GB3836.3, GB3836.4, GB3836.9, IEC60079-0, IEC60079-1, IEC60079-11, IEC60079-15, IEC60079-18, EN60079-0, EN60079-1, EN60079-11, EN60079-15 and EN60079-18.
- Explosion-proof mark: Ex d Iib mb IIB T4 Gb/Ex tD Iib mbD A21 IP65 T130°C, Ex d Iib mb IIC T4 Gb;
- The wall explosion-proof air conditioner derives from conventional air conditioners by explosion-proof treatment of the indoor and outdoor units as follows:
- Outdoor unit: special processes and manufacturing methods are adopted for explosion-proof treatment of the internal electrical controls, compressor, outdoor fan, protection system, heat removal system and refrigerating system. It shares the same outline dimension and installation mode with conventional hanging outdoor units;
- Indoor unit: special processes and manufacturing methods are adopted to disassemble the internal electrical control for explosion-proof design and manufacturing to form an independent explosion-proof control box and realize manual control. It shares the same outline dimension and installation mode with conventional hanging indoor units but adds a hanging explosion-proof control box. Refer to technical parameters for outline dimensions;
- The explosion-proof indoor and outdoor units employ many types of explosion-proof structures, and the intrinsic-safety type explosion-proof circuit for weak current control.

外形尺寸 Outline dimension



BKF(R)系列防爆挂壁式空调
BKF(R) Explosion-proof Wall Air Conditioner

产品主要组成部分介绍 Introduction to Main Components

图示 Picture	名称 Name	外形示意图 Outline Diagram	特点 Characteristics
	室内机 Indoor unit		<p>1. 外形美观大方； 2. 电缆直接引出，方便用户接线； 3. 电机采用先进防爆工艺处理； 4. 温度传感器采用本质安全型处理； 5. 防爆标志：Ex d ib IIB T4 Gb / Ex tD ibD A21 T130°C Ex d e ib IIC T4 Gb</p> <p>1. Beautiful appearance; 2. Direct outgoing cable to facilitate connection; 3. Advanced explosion-proof processes for motor; 4. Intrinsic-safety type temperature sensor; 5. Explosion-proof mark: Ex d ib IIB T4 Gb / Ex tD ibD A21 T130°C Ex d e ib IIC T4 Gb</p>
	室外机 Outdoor unit		<p>1. 结构紧凑； 2. 电缆直接引出，方便用户接线； 3. 压缩机、风扇电机采用先进防爆工艺处理； 4. 电器元件采用隔爆处理； 5. 温度传感器采用本质安全型处理； 6. 防爆标志：Ex d e ib mb IIB T4 Gb / Ex tD ibD mbD A21 T130°C Ex d e ib mb IIC T4 Gb</p> <p>1. Compact structure; 2. Direct outgoing cable to facilitate connection; 3. Advanced explosion-proof processes for compressor and fan motor; 4. Explosion-suppressing electrical elements; 5. Intrinsic-safety type temperature sensor; 6. Explosion-proof mark: Ex d e ib mb IIB T4 Gb / Ex tD ibD mbD A21 T130°C Ex d e ib mb IIC T4 Gb</p>
	(室内) 控制箱 (Indoor) Control box		<p>1. 采用复合型结构，主腔为隔爆型，遥控为本安型； 2. 将空调室内机控制元件整体从原机中分离后，放入隔爆腔； 3. 遥控直接固定在壳体上，防止意外丢失，电源直接从控制箱内引出，无须加装电池； 4. 防爆标志：Ex d e ib IIB T4 Gb</p> <p>1. Composite structure consisting of explosion-suppressing chamber and intrinsic-safety type remote controller; 2. Control element of indoor unit separated from the air conditioner as a whole and placed into the explosion-suppressing chamber; 3. Remote controller directly secured on the shell to prevent incidental loss. Power directly from the control box without additional batteries; 4. Explosion-proof mark: Ex d e ib IIB T4 Gb</p>
	(室内) 控制箱 (Indoor) Control box		<p>1. 采用复合型结构，主腔为隔爆型，接线腔为增安型，遥控为本安型； 2. 将空调室内机控制元件整体从原机中分离后，放入隔爆腔； 3. 遥控直接固定在壳体上，防止意外丢失，电源直接从控制箱内引出，无须加装电池； 4. 防爆标志：Ex d e ib IIC T4 Gb</p> <p>1. Composite structure consisting of explosion-suppressing chamber, increased-safety type wiring chamber and intrinsic-safety type remote controller; 2. Control elements of the indoor units separated from the air conditioner as a whole and placed into the explosion-suppressing chamber; 3. Remote controller directly secured on the shell to prevent incidental loss. Power directly from the control box without additional batteries; 4. Explosion-proof mark: Ex d e ib IIC T4 Gb</p>

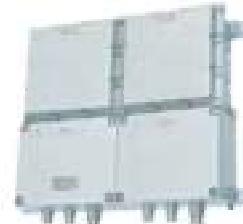


应用场景 Application

- 广泛应用于海洋工程各类作业平台、各类型化学品、天然气运输船、危险品码头等危险区域；
- 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- 适用于爆炸性危险环境1区、2区场所。
- Widely used on various marine platforms, chemical tankers, LNG ships and hazardous cargo wharfs, etc.
- Can reliably work in severe environment exposed in moisture, vibration or corrosion.
- Explosive hazardous atmosphere Zone 1, Zone 2.



室内机 Indoor unit



控制箱 Control box



室外机 Outdoor unit

型号含义 Catalogue Number Logic



产品特性 Features

- 防爆空调设备主要是在国内外品牌机的基础上采用特殊的工艺处理方法和制造方法进行防爆处理，保证空调机满足防爆要求；
- 一般情况下，为提高产品的安全性能及用户现场操作的可靠性，防爆分体柜式空调均设计为手动控制；
- 防爆分体柜式空调功能分为：单冷型和冷暖型；
- 制冷、制热性能稳定，可靠，使用寿命长；
- 采用LED或液晶显示，便于操作；
- 结构紧凑，外形美观大方；
- 可定制不锈钢外壳产品。
- On the basis of domestic and foreign brand air conditioners, special processes and manufacturing methods related to explosion prevention are adopted to ensure that the air conditioner meets explosion-proof requirements;
- Generally, to improve product safety and on-site operation reliability, the explosion-proof split tank air conditioner is manually controlled;
- Explosion-proof split-tank air conditioners fall into two types by function: cooling only and cooling-heating type;
- Steady and reliable refrigeration and heating performance, and long service life;
- User friendly LED or LCD;
- Compact structure and beautiful appearance;
- Customizable stainless steel shell products.

技术参数 Technical parameters

型号规格 Model & spec.		BKGR-50/220	BKGR-70/220	BKGR-70/380	BKGR-120/380	BKGR-280/380
制冷量(W) Refrigerating capacity		5200	7260	7300	12000	28000
制热量(W) Heating capacity		5720	8000	8000	12500	29000
额定电压/频率(V/Hz) Rated voltage/frequency		220/50	220/50	380/50	380/50	380/50
输入功率(匹数) Input power (horsepower)		2P	3P	3P	5P	10P
制冷输入功率/电流(W/A) Input power/current during cooling		1530/7.0 [*]	2200/10.0 [*]	2219/5.8 [*]	3850/7.5 [*]	10100/19.8 [*]
制热输入功率/电流(W/A) Input power/current during heating		1800/7.3 [*]	2150/9.8 [*]	2200/5.8 [*]	3800/7.5 [*]	9400/19 [*]
适用面积(m ²) Effective area		23~29 [*]	27~32 [*]	27~34 [*]	50~80 [*]	80~120 [*]
噪音(dB) Noise	室内 Indoor	42/45 [*]	45/48 [*]	45/48 [*]	52 [*]	61 [*]
	室外 Outdoor	50 [*]	56 [*]	56 [*]	60 [*]	63 [*]
外型尺寸(mm) Outline dimension	室内机 Indoor unit	482×1680×275 [*]	500×1720×300 [*]	520×1800×349 [*]	591×1970×395 [*]	400×1200×1813 [*]
	室外机 Outdoor unit	955×700×396 [*]	980×790×427 [*]	980×790×427 [*]	1032×1250×417 [*]	980×980×1061 [*]
	控制器 Control box	250×380×165 [*]	250×380×165 [*]	250×380×165 [*]	250×380×165 [*]	250×380×165 [*]
重量(kg) Weight	室内机 Indoor unit	34 [*]	44 [*]	41 [*]	63 [*]	145 [*]
	室外机 Outdoor unit	53 [*]	66 [*]	69 [*]	112 [*]	162 [*]
	控制器 Control box	6 [*]	6 [*]	6 [*]	7 [*]	7 [*]
连接管长度(m) Length of connecting pipe		4	4	4	4	5

注：1. 以上带“^{*}”参数仅供参考，具体数据以产品铭牌或相关产品说明书为准；

2. 因公司发展需要，产品在不断更新，如有更改，恕不另行通知。

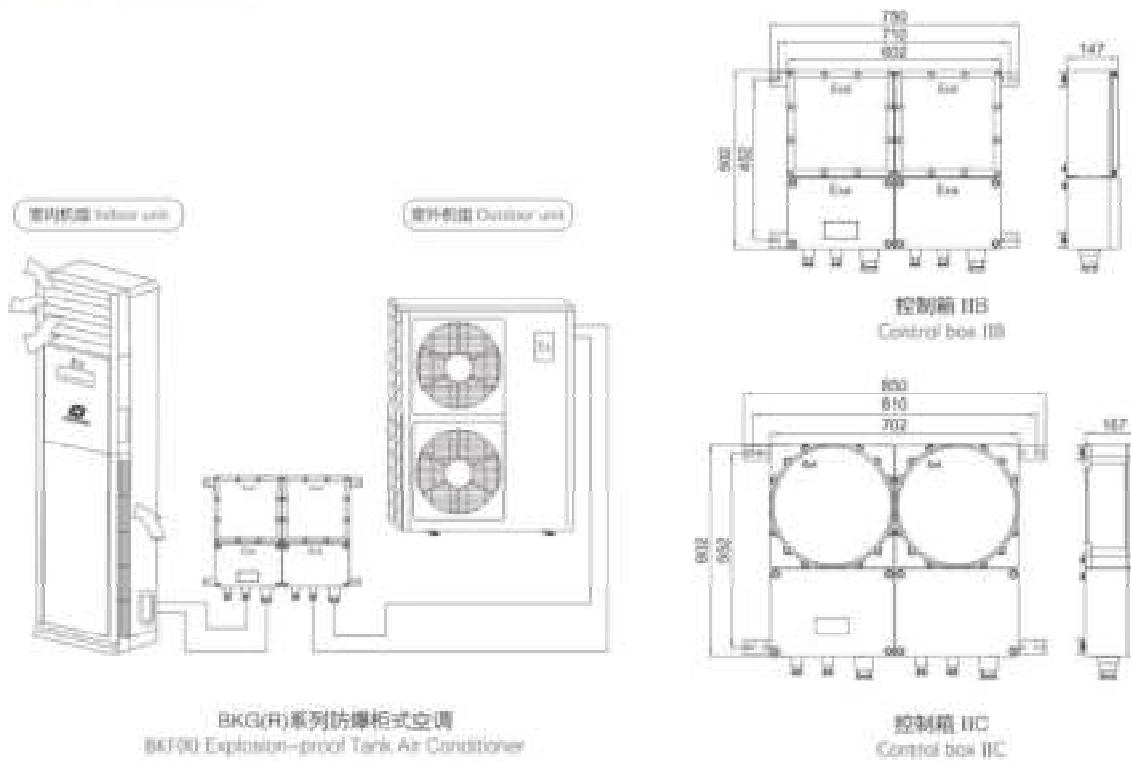
Notes: 1. Parameters with “*” are for reference only, and subject to the product nameplate or relevant product manual.

2. Parameters may change without notice as products are updated to meet the Company's development needs.

产品描述 Product description

- 执行标准: GB3836.1, GB3836.2, GB3836.3, GB3836.4, GB3836.8, GB3836.9, IEC60079-0, IEC60079-1, IEC60079-7, IEC60079-11, IEC60079-15, IEC60079-18, EN60079-0, EN60079-1, EN60079-7, EN60079-11, EN60079-15, EN60079-18;
- 防爆标志: Ex d ib mb IIB T4 Gb/Ex tD ibD mbD A21 IP65 T130°C, Ex d ib mb IIC T4 Gb;
- 柜式防爆空调主要是在普通空调的基础上，对室外机和室内机分别进行防爆处理，具体如下：
- 室外机：主要是采用特殊工艺处理方法和控制方法对内部电器控制部分、压缩机、室外风机、保护系统、散热系统、制冷系统进行防爆处理。内部增加了防爆控制箱，其外形尺寸与普通柜式空调室外机的外形尺寸相同，其安装方式也与普通柜式室外机相同；
- 室内机：主要是对内部电器控制部分解体后，重新进行防爆设计、制造处理，形成独立的防爆控制箱，并实现手动控制功能。其柜机外形尺寸与普通柜式空调室内机的外形尺寸相同，其安装方式也与普通柜式室内机相同；
- 防爆室内机和室外机采用了多种防爆处理结构，弱电控制部分采用了本安型防爆电源。
- Applicable Standards: GB3836.1, GB3836.2, GB3836.3, GB3836.4, GB3836.8, GB3836.9, IEC60079-0, IEC60079-1, IEC60079-7, IEC60079-11, IEC60079-15, IEC60079-18, EN60079-0, EN60079-1, EN60079-7, EN60079-11, EN60079-15 and EN60079-18;
- Explosion-proof mark: Ex d ib mb IIB T4 Gb/Ex tD ibD mbD A21 IP65 T130°C, Ex d ib mb IIC T4 Gb.
- The explosion-proof tank air conditioner derives from conventional air conditioners by explosion-proof treatment of the indoor and outdoor units as follows:
- Outdoor unit: special processes and manufacturing methods are adopted for explosion-proof treatment of the internal electrical controls, compressor, outdoor fan, protection system, heat removal system and refrigerating system. It shares the same outline dimension and installation mode with conventional tank outdoor units, but is internally added with an explosion-proof control box.
- Indoor unit: the internal electrical control is disassembled for explosion-proof design and manufacturing to form an independent explosion-proof control box and realize manual control. It shares the same outline dimension and installation mode with conventional tank indoor units.
- The explosion-proof indoor and outdoor units employ many types of explosion-proof structures, and the intrinsic-safety type explosion-proof circuit for weak current control.

外形尺寸 Outline dimension



产品主要组成部分介绍 Introduction to Main Components

图示 Picture	名称 Name	外形示意图 Outline Diagram	特点 Characteristics
	室内机 Indoor unit		<ul style="list-style-type: none"> 1. 外形美观大方； 2. 电缆直接引出，方便用户接线； 3. 电机采用先进防爆工艺处理； 4. 温度传感器、操作面板采用本质安全型处理； 5. 防爆标志: Ex d e ib IIB T4 Gb / Ex tD ibD A21 T130°C Ex d e ib IIIC T4 Gb <p>1. Beautiful appearance; 2. Direct outgoing cable to facilitate connection; 3. Advanced explosion-proof processes for motor; 4. Intrinsic-safety type temperature sensor and operation panel; 5. Explosion-proof mark: Ex d e ib IIB T4 Gb / Ex tD ibD A21 T130°C Ex d e ib IIIC T4 Gb</p>
	室外机 Outdoor unit		<ul style="list-style-type: none"> 1. 结构紧凑； 2. 电缆直接引出，方便用户接线； 3. 压缩机、风扇电机采用先进防爆工艺处理； 4. 电器元件采用隔爆处理； 5. 温度传感器采用本质安全型处理； 6. 防爆标志: Ex d e ib IIB T4 Gb / Ex tD ibD mbD A21 T130°C Ex d e ib mb IIIC T4 Gb <p>1. Compact structure; 2. Direct outgoing cable to facilitate connection; 3. Advanced explosion-proof processes for compressor and fan motor; 4. Explosion-suppressing electrical elements; 5. Intrinsic-safety type temperature sensor; 6. Explosion-proof mark: Ex d e ib IIB T4 Gb / Ex tD ibD mbD A21 T130°C Ex d e ib mb IIIC T4 Gb</p>
	(室内) 控制箱 (Indoor) Control box		<ul style="list-style-type: none"> 1. 采用复合型结构，主腔为隔爆型，接线腔为增安型； 2. 可直接控制空调电源； 3. 同时起到接线箱作用； 4. 防爆标志: Ex d e ib IIB T4 Gb <p>1. Composite structure consisting of explosion-suppressing chamber and increased-safety type wiring chamber; 2. Direct power control; 3. Function as the junction box; 4. Explosion-proof mark: Ex d e ib IIB T4 Gb</p>
	(室内) 控制箱 (Indoor) Control box		<ul style="list-style-type: none"> 1. 采用复合型结构，主腔为隔爆型，接线腔为增安型； 2. 可直接控制空调电源； 3. 同时起到接线箱作用； 4. 防爆标志: Ex d e ib IIIC T4 Gb <p>1. Composite structure consisting of explosion-suppressing chamber and increased-safety type wiring chamber; 2. Direct power control; 3. Function as the junction box; 4. Explosion-proof mark: Ex d e ib IIIC T4 Gb</p>



BKD 防爆置顶式空调(IIB)

BKD Explosion-proof Top Air Conditioners (IIB)



应用场景 Application

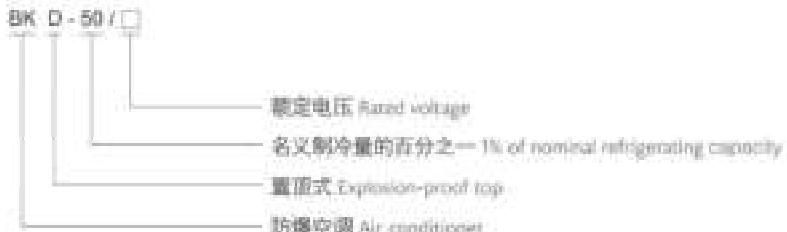
- 广泛应用于海洋工程各类作业平台、各类型化学品、天然气运输船、危险品码头等危险区域；
- 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- 适用于爆炸性危险环境2区场所。
- Widely used on various marine platforms, chemical tankers, LNG ships and hazardous cargo wharf, etc.
- Can reliably work in severe environment exposed in moisture, vibration or corrosion.
- Explosive hazardous atmosphere Zone 2.



室外机 Outdoor unit

室内机 Indoor unit

型号含义 Catalogue Number Logic



产品描述 Product description

- 执行标准：GB3836.1、GB3836.2、GB3836.8、GB3836.9、IEC60079-0、IEC60079-1、IEC60079-15、IEC60079-16、EN60079-0、EN60079-1、EN60079-15、EN60079-16；
- 防爆标志：Ex d nC II B T4 Gc, Ex d mb II B T4 Gb；
- 置顶式防爆空调主要是在普通置顶式空调的基础上，对室外机和室内机分别进行防爆处理，具体如下：
- 室外机：主要是采用特殊工艺处理方法和控制方法对内部电器控制部分、压缩机、室外风机、保护系统、散热系统、制冷系统进行防爆处理，内部增加了防爆控制箱，其外形尺寸与普通置顶式空调室外机的外形尺寸相同，其安装方式也与普通置顶式室外机相同；
- 室内机：主要是对内部电器控制部分解体后，重新进行防爆设计，制造处理，形成独立的防爆控制箱，并实现手动控制功能，其安装方式在普通式室内机旁边增加控制箱位置；
- 防爆室内机和室外机采用了多种防爆结构。
- Applicable standards: GB3836.1, GB3836.2, GB3836.8, GB3836.9, IEC60079-0, IEC60079-1, IEC60079-15, IEC60079-16, EN60079-0, EN60079-1, EN60079-15, EN60079-16.
- Explosion-proof mark: Ex d nC II B T4 Gc, Ex d mb II B T4 Gb
- The explosion-proof top air conditioner derives from conventional air conditioners by explosion-proof treatment of the indoor and outdoor units as follows:
- Outdoor unit: special processes and manufacturing methods are adopted for explosion-proof treatment of the internal electrical controls, compressor, outdoor fan, protection system, heat removal system and refrigerating system. It shares the same outline dimension and installation mode with conventional top outdoor units, but is internally added with an explosion-proof control box;
- Indoor unit: the internal electrical control is disassembled for explosion-proof design and manufacturing to form an independent explosion-proof control box and realize manual control. It is installed by adding a control box next to the conventional indoor unit;
- The explosion-proof indoor and outdoor units employ many types of explosion-proof structures.

技术参数 Technical parameters

项目 Item	型号规格 Model & spec.	BKD-SQ/110	BKD-SQ/220
		W	BTU/h
制冷量 Refrigerating capacity		1650	1650
		13500	13500
电源(V, Ph, Hz) Power		110~60/60	220~60/60
能效等级 Energy efficiency grade		4	4
循环风量(m ³ /h) Circulating air volume		560	560
制冷剂 Refrigerant		R22	R22
制冷剂充注量(kg) Refrigerant volume		0.72	0.72
噪音(室内/室外)(dB) noise (Indoor/outdoor)		59/56	59/56
室外机外形尺寸(长×宽×高)(mm) Outline dimension of outdoor unit (L×W×H)		1120×800×460	1120×800×460
毛重(kg) Gross weight		65	65

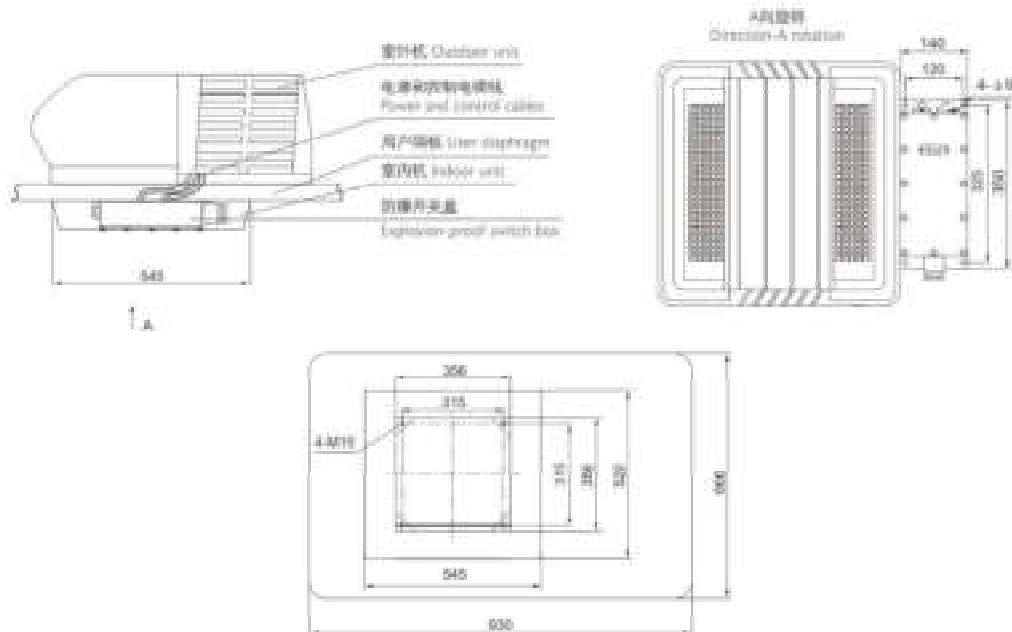
注：1.以上参数仅供参考，具体数据以产品铭牌或相关产品说明书为准；

2.因公司发展需要，产品在不断更新，如有更改，恕不另行通知。

Notes: 1. The parameters are for reference only, and subject to the product nameplate or relevant product manual.

2. Parameters may change without notice as products are updated to meet the Company's development needs.

外形尺寸 Outline dimension



用户隔板开口尺寸
Size of Opening on User Diaphragm

主令控制及配电箱系列

Master control units and distribution panels
series

打造一流船用和海工品牌

Create
A Famous Marine & Offshore
Products Brand



BXM(D)8061 防爆防腐照明(动力)配电箱

BXM(D)8061 Explosion-proof Corrosion-proof Illumination (Power) Distribution Panel

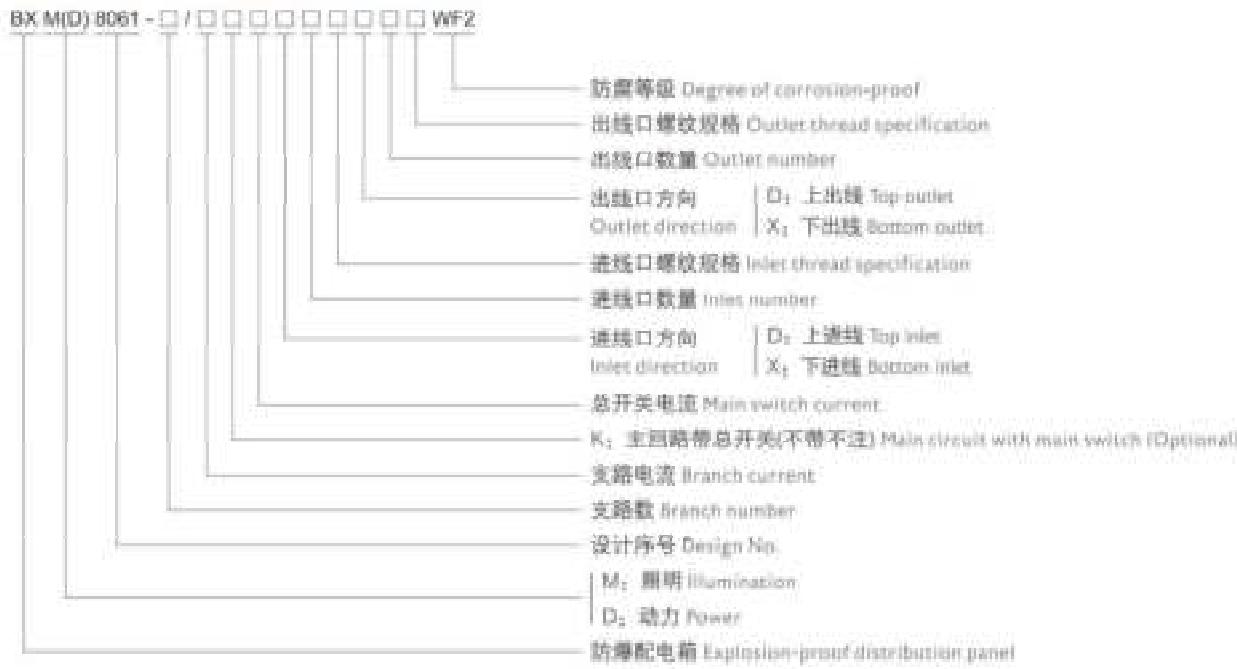


应用场景 Application

- 广泛应用于海洋工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域专用设备的操作控制；
- 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- 适用于爆炸性危险环境1区、2区、21区、22区、等场所。
- Widely used for operation and control of special equipment on various marine platforms, chemical tankers, LNG ships and dangerous cargo wharfs, etc.
- Can reliably work in severe environment where easily affected by moisture, vibration, or corrosion.
- Explosive hazardous atmosphere Zone 1, Zone 2, Zone 21, Zone 22.



型号含义 Catalogue Number Logic



产品特性 Features

- 不锈钢或优质碳钢材质成形；
- 盖板上操作手柄设有挂锁装置，避免误操作。产品在恶劣环境下也可正常操作，也保证了使用者的人身安全；
- 总开关、分开关操作面板区分明显，便于现场识别；
- 不锈钢箱体表面拉丝处理，外形美观；
- 内装元件可为断路器、交流接触器、热继电器、互感器、按钮、熔断器、指示灯、电表、万能开关等；
- 总开关电流最大可至630A。
- Formed of stainless steel, or high quality carbon steel labyrinth and structure.
- Padlock is provided on rotary actuator of cover to prevent misuse. Products can also be normally operated in harsh environments, which ensure users' personal safety.
- Main switch and branch switch control panels are separated, easy for on-site identification.
- Stainless steel box surface is wiredrawing processed, with peaceful appearance.
- Built-in elements include circuit breaker, AC contactor, thermal relay, transducer, button, fuse, indicator, ammeter and universal switch.
- The max. current of main switch up to 630A.

BXM(D)8061 防爆防腐照明(动力)配电箱

BXM(D)8061 Explosion-proof Corrosion-proof Illumination (Power) Distribution Panel

选配表 Selection table

型号 Type	支路数 Branch number	主回路总开关 数(台) Main switch number of the main circuit	主回路额定 电流(A) Rated current of the main circuit	主回路进线口 螺纹 Inlet thread of the main circuit	主回路进线口 电缆外径(mm) Inlet cable O.D. of the main circuit	支路额定电流 (A) Rated current of the branch	支路出线口 螺纹 The outlet thread of the branch	支路出线口 电缆外径(mm) Cable O.D. of the branch cable
BXM8061-4	4							
BXM8061-6	6							
BXM8061-8	8					1~16	M25×1.5	Φ12~Φ18
BXM8061-10	10					20~25	M32×1.5	Φ18~Φ25
BXM8061-12	12					32~50	M40×1.5	Φ22~Φ29
BXM8061-4K	4					63	M50×1.5	Φ29~Φ35
BXM8061-6K	6					80~160	M63×1.5	Φ37~Φ44
BXM8061-8K	8					180~225	M75×1.5	Φ42~Φ50
BXM8061-10K	10					250~350	M90×1.5	Φ56~Φ67
BXM8061-12K	12					400	M115×1.5	Φ48~Φ80

技术参数 Technical parameters

外壳“e” Enclosure “e”

执行标准 Conformity to standards	IEC60079, EN60079, GB3836, GB12476, CCS人级规范 (CCS standard)		
环境温度 Ambient temperature	-20℃~+40℃		
防爆标志 Ex-Mark	Ex d e IIC T6 Gb	Ex d e IIIB T5 Gb	Ex d e IIIC T4 Gb
	Ex d A21 IP66 180℃		
额定电压 Rated voltage	220V/380V, 230V/400V		
额定电流 Rated current	≤32A	40A≤I≤63A	80A≤I≤250A
防护等级 Degree of protection	IP66		
防腐等级 Corrosion-proof	WF2		

外壳“d+e” Enclosure “d+e”

执行标准 Conformity to standards	IEC60079, EN60079, GB3836, GB12476, CCS人级规范 (CCS standard)				
环境温度 Ambient temperature	-40℃~+65℃				
防爆标志 Ex-Mark	Ex d e IIB T6 Gb	Ex d e IIIB T5 Gb	Ex d e IIIC T4 Gb	Ex d e IIIB T5 Gb	Ex d e IIIC T4 Gb
	Ex d IIIB T6 Gb	Ex d e IIIB T5 Gb	Ex d IIIC T4 Gb	Ex d IIIB T5 Gb	Ex d e IIIC T4 Gb
	Ex d e IIC T6 Gb	Ex d e IIIC T5 Gb	Ex d e IIIC T4 Gb	Ex d e IIIC T5 Gb	Ex d e IIIC T4 Gb
	Ex d A21 IP66 180℃	Ex d A21 IP66 180℃	Ex d A21 IP66 180℃	Ex d A21 IP66 180℃	Ex d A21 IP66 180℃
额定电压 Rated voltage	220V/380V, 230V/400V				
额定电流 Rated current	≤32A	40A≤I≤63A	100A≤I≤630A	≤32A	40A≤I≤630A
防护等级 Degree of protection	IP66				
防腐等级 Corrosion-proof	WF2				

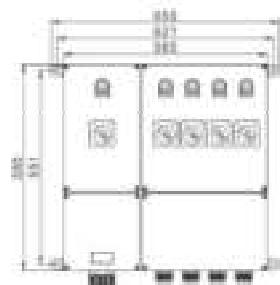
备注：本系列产品出厂时配防爆堵头，若用户需要防爆电缆夹紧密封堵头，请参见我公司相关产品选型手册。

Remark: The products are provided with Ex plugs. If explosion-proof cable glands are needed, please select according to our company's relevant product brochure.

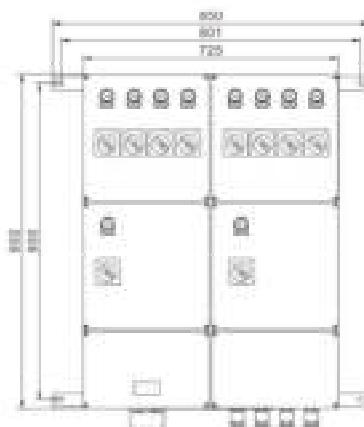
外形尺寸 Outline dimension



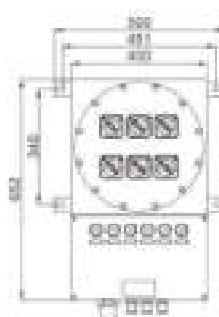
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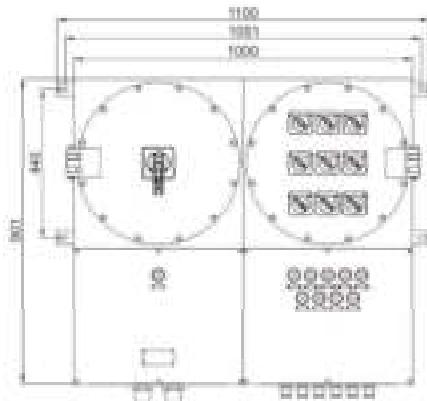
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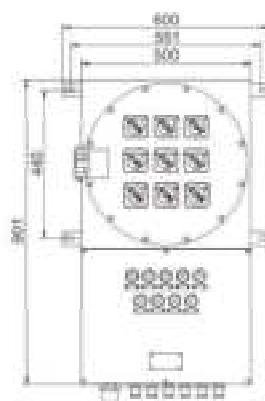
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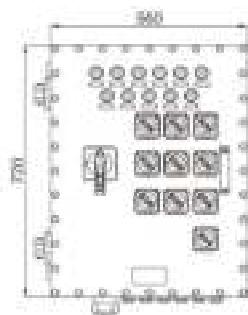
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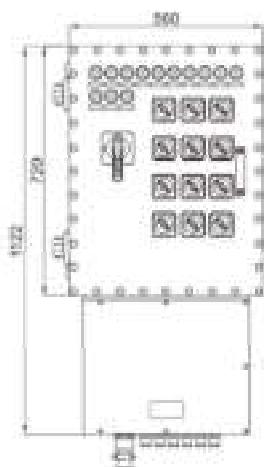
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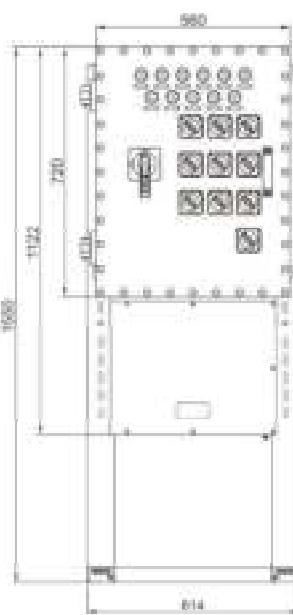
BXM(D)8061-10/10XX



BXM(D)8061-10/10XX



BXM(D)8061-12/10XX



B14

BXM(D)8061-10/10XX

应用场景 Application

- 广泛应用于海洋工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域专用设备的操作控制；
- 可在潮湿、振动、腐蚀等恶劣的环境中可靠工作；
- 适用于爆炸性危险环境1区、2区、21区、22区等场所。
- Widely used for operation and control of special equipment on various marine platforms, chemical tankers, LNG ships and dangerous cargo wharfs, etc.
- Can reliably work in severe environment where is easily affected by moisture, vibration, or corrosion.
- Explosive hazardous atmosphere Zone 1, Zone 2, Zone 21, Zone 22.



型号含义 Catalogue Number Logic

BZC 8061 -	<input type="checkbox"/> — 总单元 Main unit
—	<input type="checkbox"/> — 第一单元：按钮规格代号 Unit 1: button code
—	<input type="checkbox"/> — 第二单元：电表规格代号 Unit 2: ammeter code
—	<input type="checkbox"/> — 第三单元：带灯按钮规格代号 Unit 3: illuminated pushbutton code
—	<input type="checkbox"/> — 第四单元：指示灯规格代号 Unit 4: indicator code
—	<input type="checkbox"/> — 第五单元：开关规格代号 Unit 5: switch code
—	设计代号 Design Code
—	防爆主令电器 Explosion-proof master control unit

总单元含义 Main unit logic

A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>	D <input type="checkbox"/>	K <input type="checkbox"/>	<input type="checkbox"/> WP2	
						防腐等级 Degree of corrosion-proof
						安装形式 G: 挂式 Hanging type Mounting L _T : 立式 Vertical type
						开关数(不装不注) Number of switch(optional)
						指示灯数(不装不注) Number of indicator(optional)
						带灯按钮数(不装不注) Number of illuminated pushbutton(optional)
						电表数(不装不注) Number of ammeter(optional)
						按钮数(不装不注) Number of button(optional)

产品特性 Features

- 不锈钢材质成型，电路密封结构；
- 硅橡胶密封圈，抗氧化，防护性能好；
- 箱体表面拉丝处理，外形美观；
- 内嵌防爆指示灯、防爆按钮、防爆开关等具有独立认证的防爆元件，性能稳定可靠；
- 万能控制开关，多种电气功能任选。
- Formed of stainless steel, labyrinth seal structure.
- Silicon rubber sealing ring, with good antiaging and protection performance.
- Wiredrawing processing for the box surface, with beautiful appearance.
- Built-in explosion-proof indicators, explosion-proof control buttons, explosion-proof control switch and other explosion-proof components have obtained independence certificates, with stable and reliable performance.
- Universal control switch, several electrical functions are available.

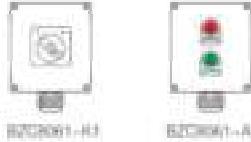
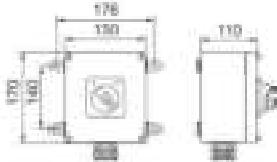
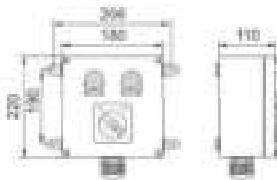
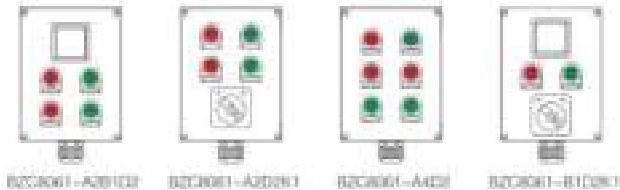
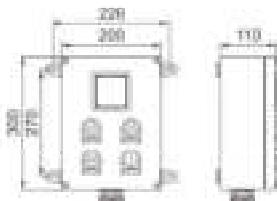
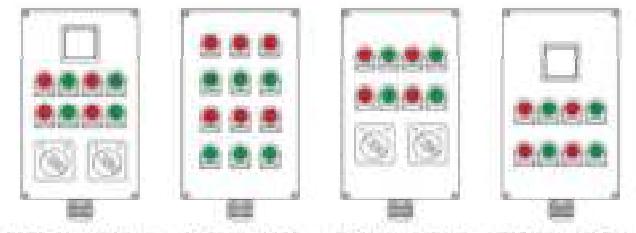
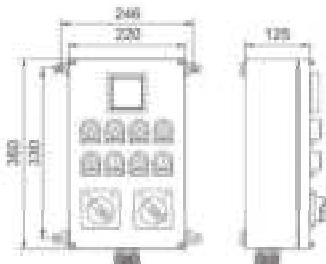
技术参数 Technical parameters

执行标准 Conformity to standards	IEC60079, EN60079, GB3836, GB12476, DCS入级规范 (DCS standard)
防爆标志 Ex-Mark	Ex d IIC T6 Gb / Ex II A21 IP66 T80°C
额定电压 Rated voltage	≤400V AC ≤220V DC
额定电流 Rated current	10A
防护等级 Degree of protection	IP66
防腐等级 Corrosion-proof	WF2

备注：本系列产品出厂时配防爆堵头，若用户需要防爆电缆夹紧密封接头，请参见我公司相关产品选型手册。

Remark: The products are provided with Ex plugs. If explosion-proof cable glands are needed, please select according to our company's relevant product brochure.

外形及安装尺寸举例 Outline dimension and mounting

类型 Type	元件布局 Components arrangement	外形尺寸 Overall dimension
I	 BZC8081-H3 BZC8081-A2	
II	 BZC8081-O3H1 BZC8081-A2H1 BZC8081-A2D2	
III	 BZC8081-A2B1C2 BZC8081-A2B2H1 BZC8081-A4C2 BZC8081-B1D2H1	
IV	 BZC8081-A4B1D4H2 BZC8081-A4D6 BZC8081-A4D4H2 BZC8081-A4B1D4	

应用场景 Application

- 广泛应用于海洋工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域作设备控制之用；
- 可在潮湿、振动、腐蚀等恶劣的环境中可靠工作；
- 适用于爆炸性危险环境1区、2区场所。
- Widely used for control of equipment on marine engineering oil and gas drilling platforms, chemical tankers, LNG ships and dangerous cargo wharfs etc.
- Can reliably work in severe environment where is easily affected by moisture, vibration, or corrosion.
- Explosive hazardous atmosphere Zone 1, Zone 2.



技术参数 Technical parameters

执行标准 Conformity to standards	IEC60079, EN60079, GB3836, CCS入级规范 (CCS standard)			
环境温度 Ambient temperature	-20°C~+45°C			
防爆标志 Ex-Mark	Ex d IIC T6 Gb			
额定电压 Rated voltage	AC220V	AC380V	AC440V	DC220V
额定电流 Rated current	10A	10A	10A	0.6A
防护等级 Degree of protection	IP56			
电缆引入口 Cable entry	M25 x 1.5 -Φ10-Φ14mm			
材质 Material	铜质 Copper			

外形及安装尺寸举例 Outline dimension and mounting

型号 Model	示意图 Figure	外型尺寸 Overall dimension
edHH201		
edHH202		
edHH302		
edHH402		



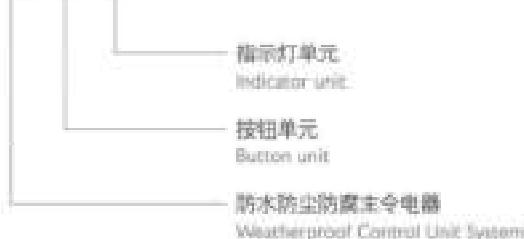
产品特性 Features

- 外壳采用GRP材料模压成形，具有抗老化不变形、抗冲击耐腐蚀等优点；
- 本产品采用迷宫密封结构，外露不锈钢紧固件，具有良好的防水防尘防腐性能。
- The enclosure of GRP, anti-aging, no deformation, corrosion-proof, anti-impact.
- Labyrinth sealed structure, the exposed fastener is of stainless steel, with good weatherproof performance.



型号含义 Catalogue Number Logic

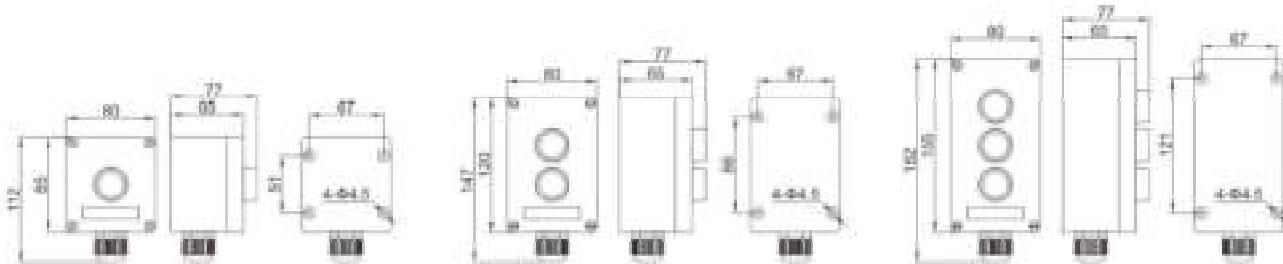
FZA - A□ D□



技术参数 Technical parameters

额定电压 Rated voltage	220V/380V, 230V/400V
额定电流 Rated current	3A
温度范围 Temperature	-40°C~+55°C
防护等级 Degree of protection	IP66
电缆引入口 Cable entry	1xFQM-I, M20×1.5法兰(塑料), 适用于Φ10~Φ14mm电缆 1xFQM-I, M20×1.5 gland (plastic), suitable for Φ10~Φ14mm cable
安装方式 Mounting	挂式 Hang type

外形尺寸 Outline dimension



I

II

III