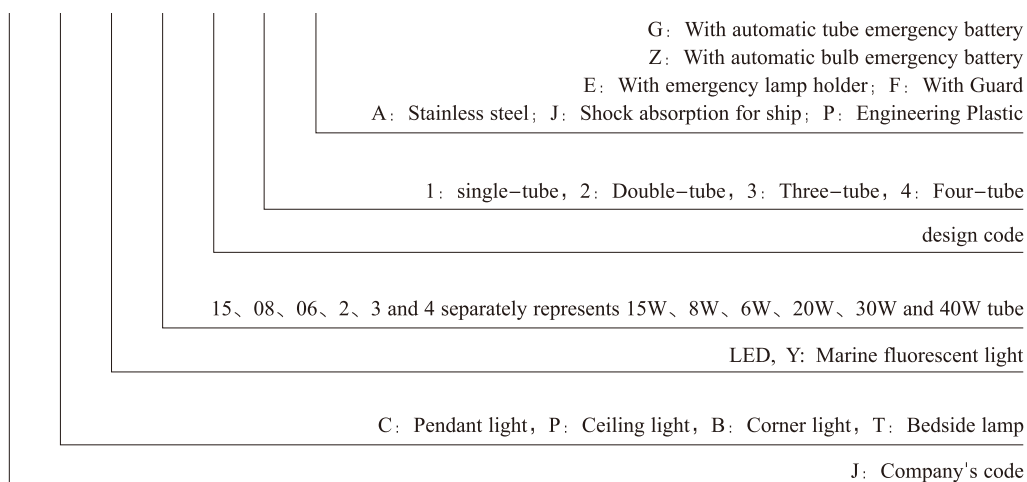


SHIP INDOOR AND OUTDOOR LIGHTING SERIES

Instruction of marine fluorescent lights

J ☐ Y ☐ ☐ - ☐ ☐



Technical Remark

1. Fluorescent lights fit for AC circuit, the rated voltage is 220V and 110V, the frequency is 50Hz and 60Hz.
2. The working temperature of lights is $-20^{\circ}\text{C} \sim +55^{\circ}\text{C}$, can work normally.
3. Fluorescent lights without the tube and emergency small bulb, if need, please remark when order.
4. The main component of Fluorescent light adopt good quality import product, the material of lampshade is PC injection, also have the feature of not discolor, fine toughness etc.
5. The type of fluorescent lights adopt letter "E" marking when need the emergency design, if need guard, adopt letter "F" marking.



protection class	Suitable places
IP20	Dry residence and dry control room
IP22	steering room, refrigerator room, emergency engine room, storeroom
IP34	Bathroom, cabin oven room, kitchen and laundry room
IP44	engine room, oven room, steering machine room, various auxiliary machine rooms
IP55	engine room
IP56	Weather deck
IP67	Weather deck
IP68	Weather deck and 20m underwater

The values are as follows when the power factor of fluorescent light is not equipped with compensating capacitance:

Tube (power x quantity)	power factor	A rating input current A
8W × 1	0.348	0.155
12W × 1	0.446	0.16
15W × 1	0.33	0.32
20W × 1	0.332	0.37
30W × 1	0.474	0.36
40W × 1	0.514	0.43

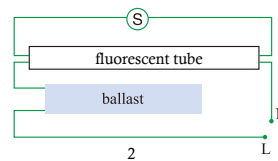
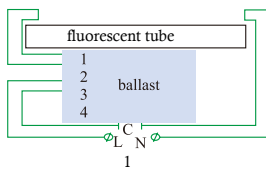
The current values are as follows when the power factor of fluorescent light is equipped with compensating capacitor, power factor is > 0.85 with:

Tube (power x quantity)	A rating input current A
8W × 1	0.036~0.042
12W × 1	0.055~0.064
15W × 1	0.068~0.080
20W × 1	0.090~0.107
30W × 1	0.136~0.160
40W × 1	0.182~0.213

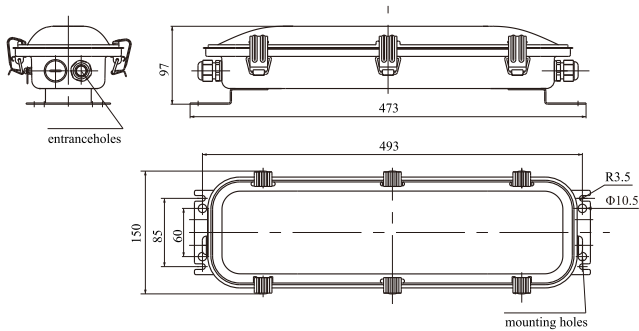
Electrocircuit diagram of fluorescent light

A. Diagram 1 is the electrocircuit diagram of fluorescent light tube, equipped with instant starting ballast which needn't equipped auxiliary starting device, without starter, and has four terminal marked 1,2,3,4. This ballast can be used only if being equipped one capacitance with one fluorescent light tube, simply operated, with fine insulation and heat insulation performance.

B. Diagram 2 is the electrocircuit diagram of fluorescent light tube equipped with the imported ballast, this ballast with a starter.



LED PENDANT LIGHT HJCL-16 HJCL-16E



The scope of application

Applied to illumination of water dripping, water spattering, water coagulating place in ships, such as oven cabin, dry cabin, tunnel, pipeline and weather deck etc. The environmental temperature for work is $-30^{\circ}\text{C} \sim +55^{\circ}\text{C}$.

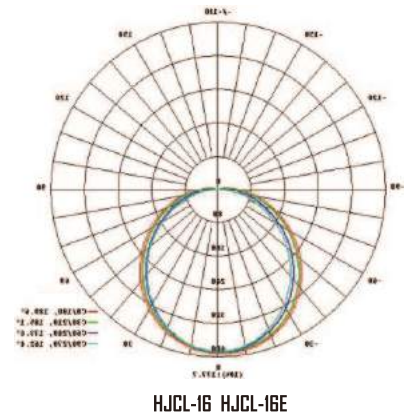
Products characteristics

1. The shell adopts good quality steel plate tensioned, lampshade adopts injection of PC, and has the seal structure.
2. The lamp body has compact structure and delicacy appearance, and it is convenient to connect inside.
3. The light adopts good LED lamp, with high light efficiency, the working life can be over 50,000 hours.
4. The LED starter has stabled components, to assure that the circuit has a long life time, and it has the protection for the short circuit and over load, to assure that the LED light work for long term.

Adopted standards

Adopt the standard of IEC60092-306、GB7000.1(IEC 60598-1), GB7000.10(IEC 60598-2-1), GB17743(CISPR 15), GB19510.1 (IEC61347-1), GB19510.14 (IEC61347-2-13) conform to GRADE ENTRY NORMS FOR STEEL SHIPS.

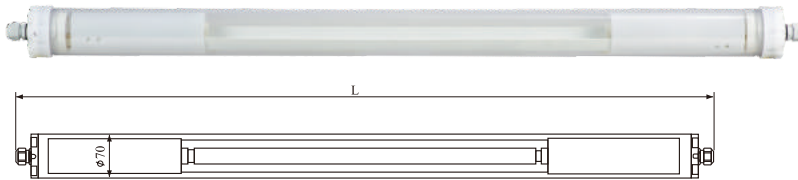
Type	HJCL-16	HJCL-16E	
Rated voltage	AC100-240V	AC100-240V	DC24V
Power	16W	16W	3W
Illuminant	LED	LED	LED
luminous flux	1500 lm	1500 lm	300 lm
Weight	2.2kg	2.2kg	2.2kg
Color rendering index	$R_a \geq 85$		
color temperture	2700k-6500k		
protection class	IP66		
Cable outside diameter	$\phi 10 - \phi 12$		
installation way	ceiling type		



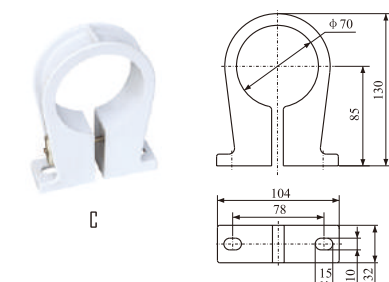
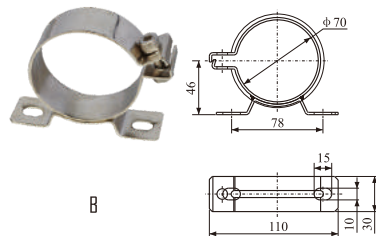
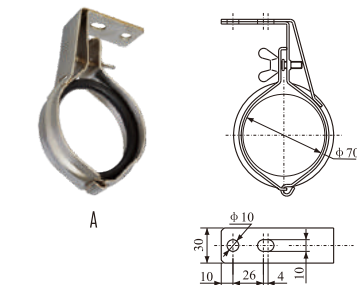
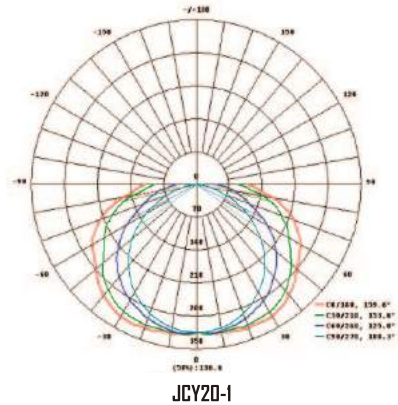
JCY20-1 JCY40-1

No: ZL2004 30018 542.9

FLUORESCENT PENDANT LIGHT



type	L
JCY20	1150
JCY40	1850



The scope of application

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

Products characteristic

1. Adopt seal structure, and have high waterproof performance, has compact structure and delicacy appearance.
2. Adopt the import spin-type of lamp holder performance, and it is convenient to connect inside.
3. Equipped compensating capacitance inside the light, also has the good effect of start.
4. This light has three types brackets, Pls mark when order

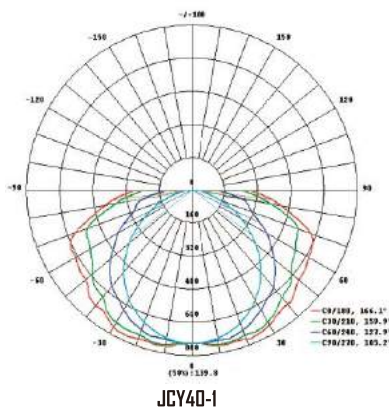
Adopt standard

Conform to IEC60092-306-2009 standard and GRADE ENTRY NORMS FOR STEEL SHIPS.

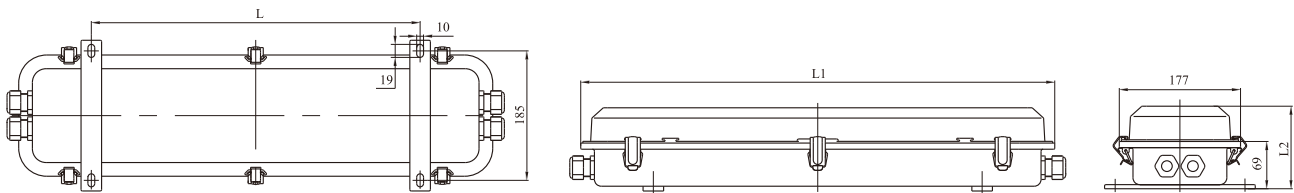
Production authentication

The product approved by the CCS(China Classification Society).

Type	JCY20-1	JCY40-1
Power	1*20W	1*40W
Compensating capacitance	4.75 μf	4.75 μf
Weight	3kg	4.2kg
Voltage	110V/60Hz, 220V/50Hz, 220V/60Hz	
Power factor	>0.85	
Lamp holder	G13	
Cable outside diameter	$\phi 8 - \phi 13$	
protection class	IP68	



JCY21-2L JCY21-2EL
JCY41-2L JCY41-2EL
LED PENDANT LIGHT



Type	L	L1	L2
JCY21-2L	480	692	120.5
JCY21-2EL	480	692	120.5
JCY41-2L	700	1299	134
JCY41-2EL	700	1299	134

The scope of application

Applied to illumination of water dripping, water spattering, water coagulating place in ships, such as oven cabin, dry cabin, tunnel, pipeline and weather deck etc. The environmental temperature for work is $-30^{\circ}\text{C} \sim +55^{\circ}\text{C}$.

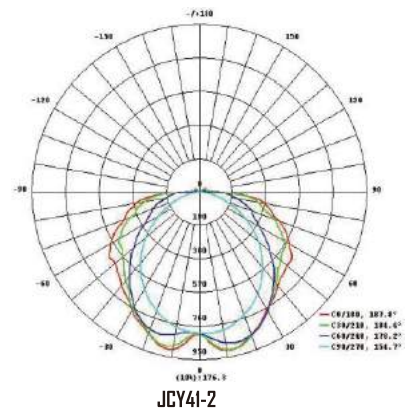
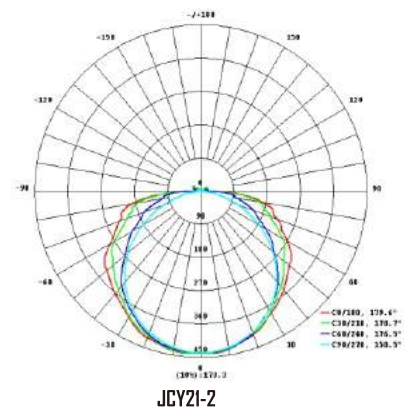
Products characteristic

1. The shell adopts good quality steel plate tensioned, lampshade adopts injection of PC, and has the seal structure.
2. The lamp body has compact structure and delicacy appearance, and it is convenient to connect inside.
3. It adopts good LED lamp, with high light efficiency, the working life can be over 50,000 hours.
4. The LED starter has stabled components, to assure that the circuit has a long life time, and it has the protection for the short circuit and over load, to assure that the LED light work for long term.

Standard adopted

Adopt the standard of IEC60092-306, GB7000.1, GB7000.10, GB17743, GB 19510.1, GB 19510.14. Conform to GRADE ENTRY NORMS FOR STEEL SHIPS.

Type	JCY21-2L	JCY21-2EL	JCY41-2L	JCY41-2EL
Power	2*8W	2*8W+24V/3W	2*18W	2*18W+24V/3W
Weight	4kg	4.2kg	7.4kg	7.6kg
Rated voltage	AC100V ~ 240V 50Hz/60Hz			
Illuminant	LED			
Cable outside diameter	$\phi 14 - \phi 16$			
Protection class	IP66			

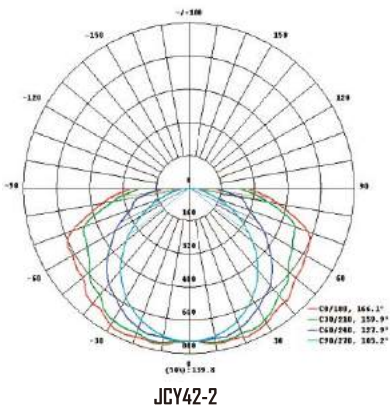
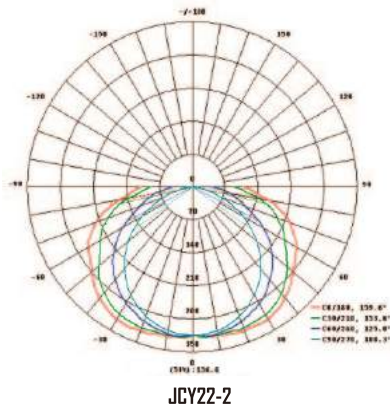
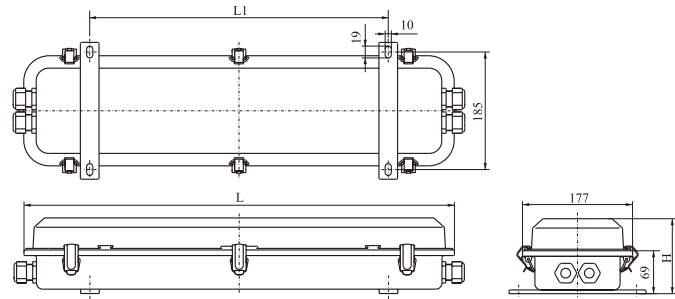


JCY-

FLUORESCENT PENDANT LIGHT





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



The scope of application

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

Products characteristic

1. The shell adopts good quality steel plate tensioned, lampshade adopts injection of PC, and has the seal structure.
2. In order to prevent electric shock, lamp internal and external terminals equipped with  tag.
3. Plug-in type lamp holder, equipped wiring terminal inside, convenient to connect.
4. The lamp equipped B15d lamp holder, used for 24V/15W emergency bulb, the edge of lamps-hade marks the  marking, remark clearly that need the emergency device when order.
5. Equipped compensating capacitance inside the light, also has the good effect of start.

Adopt standard

Conform to IEC60092-306-2009 standard and GRADE ENTRY NORMS FOR STEEL SHIPS.

Production authentication

The product approved by the CCS(China Classification Society).

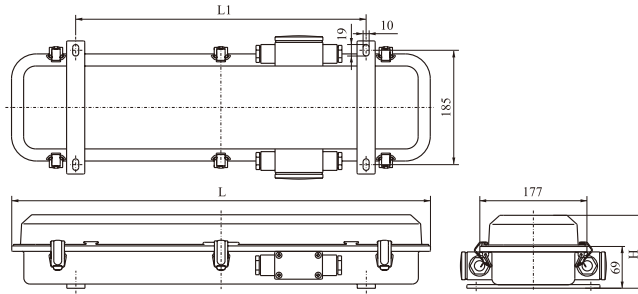
Voltage	110V/60Hz, 220V/50Hz, 220V/60Hz
Power factor	>0.85
Lamp holder	G13
Cable outside diameter	$\phi 14 - \phi 16$
protection class	IP56

Type	JCY22-2	JCY22-2E	JCY22-2EF	JCY32-2	JCY32-2E	JCY32-2EF	JCY42-2	JCY42-2E	JCY42-2EF
Power	2*20W	2*20W	2*20W	2*30W	2*30W	2*30W	2*40W	2*40W	2*40W
Weight	7.2kg	7.2kg	7.2kg	9kg	9kg	9kg	11kg	11kg	11kg



FLUORESCENT PENDANT LIGHT

JCY-





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

The scope of application

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

Products characteristic

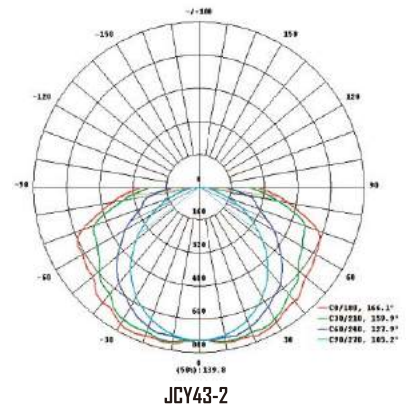
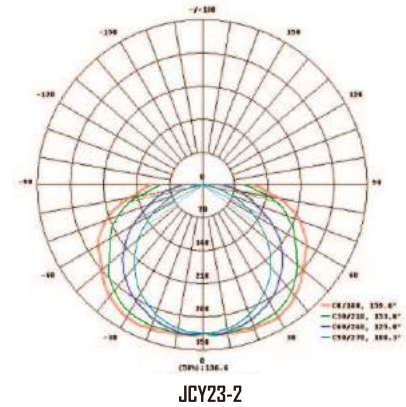
1. The shell adopts good quality steel plate tensioned, lampshade adopts injection of PC, and has the seal structure.
2. In order to prevent electric shock, lamp internal and external terminals equipped with  tag.
3. Plug-in type lamp holder, equipped wiring terminal inside, convenient to connect.
4. The lamp equipped B15d lamp holder, used for 24V/15W emergency bulb, the edge of lampshade marks the  marking, remark clearly that need the emergency device when order.
5. Equipped compensating capacitance inside the light, also has the good effect of start.

Adopt standard

Conform to IEC60092-306-2009 standard and GRADE ENTRY NORMS FOR STEEL SHIPS.

Production authentication

The product approved by the CCS(China Classification Society).

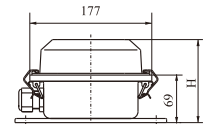
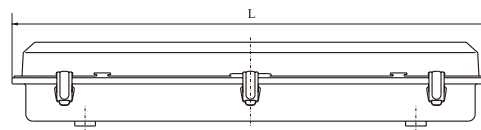
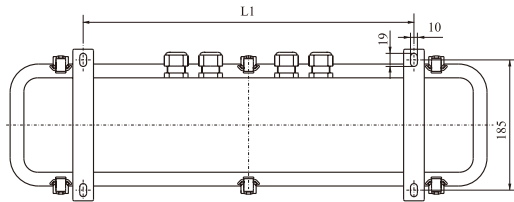


Voltage	110V/60Hz, 220V/50Hz, 220V/60Hz
Power factor	>0.85
Lamp holder	G13
Cable outside diameter	$\phi 14 - \phi 16$
Protection class	IP56

Type	JCY23-2	JCY23-2E	JCY23-2EF	JCY33-2	JCY33-2E	JCY33-2EF	JCY43-2	JCY43-2E	JCY43-2EF
Power	2*20W	2*20W	2*20W	2*30W	2*30W	2*30W	2*40W	2*40W	2*40W
Weight	7.2kg	7.2kg	7.2kg	9kg	9kg	9kg	11kg	11kg	11kg

JCY-

FLUORESCENT PENDANT LIGHT



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

The scope of application

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

Products characteristic

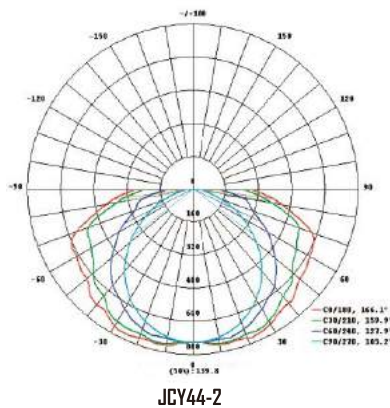
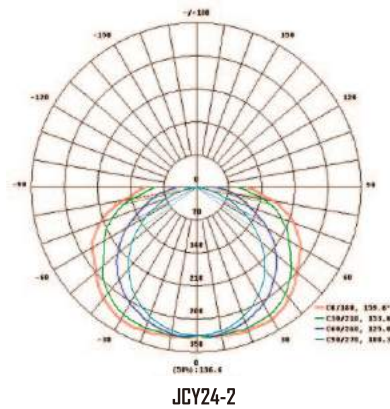
1. The shell adopts good quality steel plate tensioned, lampshade adopts injection of PC, and has the seal structure.
2. In order to prevent electric shock, lamp internal and external terminals equipped with \oplus tag.
3. Plug-in type lamp holder, equipped wiring terminal inside, convenient to connect.
4. The lamp equipped B15d lamp holder, used for 24V/15W emergency bulb, the edge of lamps-hade marks the \oplus marking, remark clearly that need the emergency device when order.
5. Equipped compensating capacitance inside the light, also has the good effect of start.

Adopt standard

Conform to IEC60092-306-2009 standard and GRADE ENTRY NORMS FOR STEEL SHIPS.

Production authentication

The product approved by the CCS(China Classification Society).



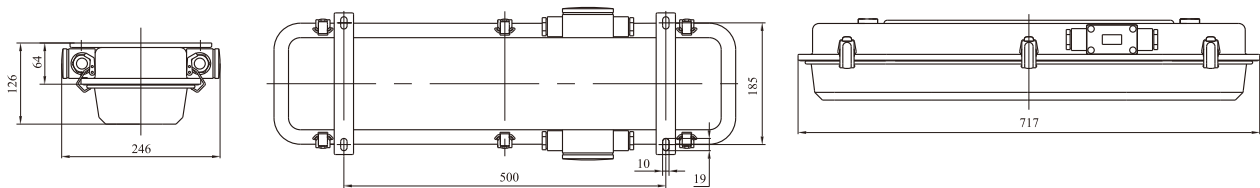
Voltage	110V/60Hz, 220V/50Hz, 220V/60Hz
Power factor	>0.85
Lamp holder	G13
Cable outside diameter	$\phi 14 - \phi 16$
Protection class	IP56

Type	JCY24-2	JCY24-2E	JCY24-2EF	JCY44-2	JCY44-2E	JCY44-2EF
Power	2*20W	2*20W	2x20W	2*40W	2*40W	2*40W
Weight	7.2kg	7.2kg	7.2kg	11kg	11kg	11kg



FLUORESCENT PENDANT LIGHT



JCY26-



The scope of application

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

Products characteristic

1. The shell adopts good quality steel plate tensioned, lampshade adopts injection of PC, and has the seal structure.
2. In order to prevent electric shock, lamp internal and external terminals equipped with  tag.
3. Plug-in type lamp holder, equipped wiring terminal inside, convenient to connect.
4. The lamp equipped B15d lamp holder, used for 24V/15W emergency bulb, the edge of lampshade marks the  marking, remark clearly that need the emergency device when order.
5. Equipped compensating capacitance inside the light, also has the good effect of start.

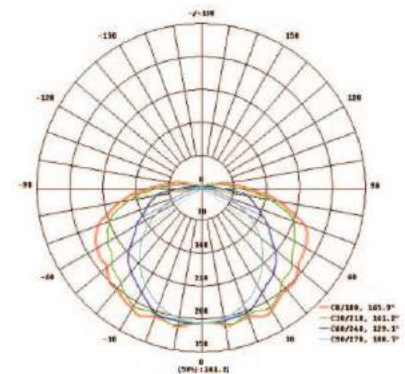
Adopt standard

Conform to IEC60092-306-2009 standard and GRADE ENTRY NORMS FOR STEEL SHIPS.

Production authentication

The product approved by the CCS(China Classification Society).

Type	JCY26-1	JCY26-2	JCY26-2E	JCY26-2EF
Voltage	110V/60Hz, 220V/50Hz, 220V/60Hz			
Power factor	>0.85			
Lamp holder	G13			
Cable outside diameter	$\phi 14 - \phi 16$			
Protection class	IP56			
Power	1*20W	2*20W	2*20W	2*20W
Compensating capacitance	4.75 μf	7.5 μf	7.5 μf	7.5 μf
Weight	7.2kg	7.2kg	7.2kg	7.2kg

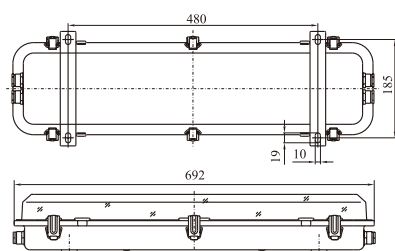


JCY26-

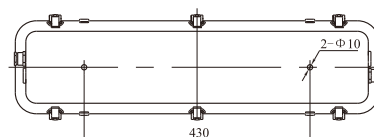
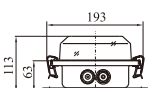
JCY27-

patent No: ZL2004 30018 544.8

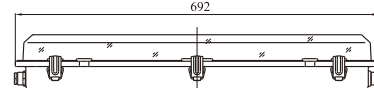
FLUORESCENT PENDANT LIGHT



JCY27-1B
JCY27-2B



JCY27-1
JCY27-2



The scope of application

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

Products characteristic

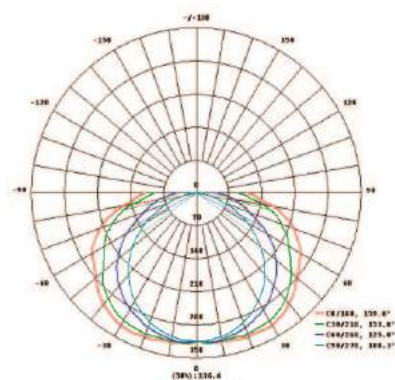
1. The shell adopts good quality steel plate tensioned, lampshade adopts injection of PC, and has the seal structure.
2. In order to prevent electric shock, lamp internal and external terminals equipped with \bullet tag.
3. Plug-in type lamp holder, equipped wiring terminal inside, convenient to connect.
4. The lamp equipped B15d lamp holder, used for 24V/15W emergency bulb, the edge of lampshade marks the \bullet marking, remark clearly that need the emergency device when order.
5. Equipped compensating capacitance inside the light, also has the good effect of start.

Adopt standard

Conform to IEC60092-306-2009 standard and GRADE ENTRY NORMS FOR STEEL SHIPS.

Production authentication

The product approved by the CCS(China Classification Society).



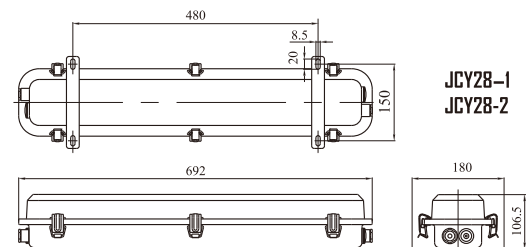
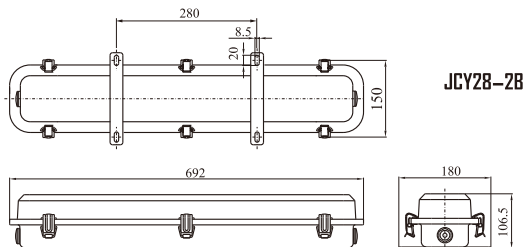
JCY27-

Type	JCY27-1	JCY27-2	JCY27-1B	JCY27-2B
Voltage	110V/60Hz, 220V/50Hz, 220V/60Hz			
Power factor	>0.85			
Lamp holder	G13			
Cable outside diameter	$\phi 8 - \phi 16$			
Protection class	IP67			
Power	1*20W	2*20W	1*20W	2*20W
Compensating capacitance	4.75 μf	7.5 μf	4.75 μf	7.5 μf
Weight	7.2kg	7.2kg	7.2kg	7.2kg



FLUORESCENT PENDANT LIGHT

JCY28-



The scope of application

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

Products characteristic

1. The shell adopts good quality steel plate tensioned, lampshade adopts injection of PC, and has the seal structure.
2. The lamp body has compact structure and delicacy appearance, adopt the import spin-type of lamp holder of, and it is convenient to connect inside.
3. Equipped compensating capacitance inside the light, also has the good effect of start.
4. One ballast can use for two tubes.

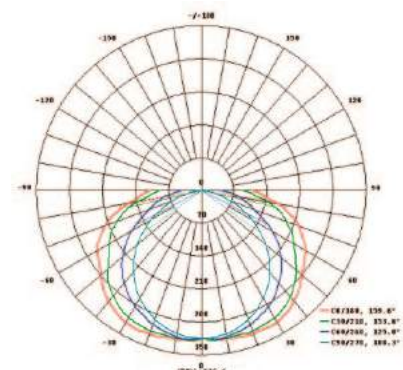
Adopt standard

Conform to IEC60092-306-2009 standard and GRADE ENTRY NORMS FOR STEEL SHIPS.

Production authentication

The product approved by the CCS(China Classification Society).

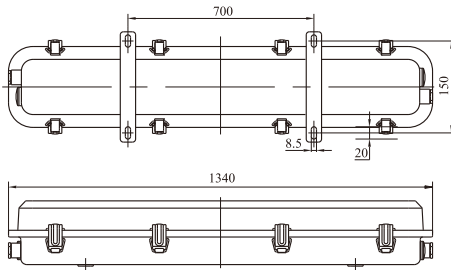
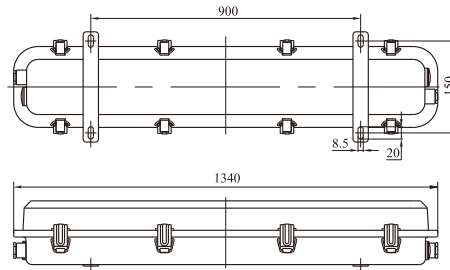
Type	JCY28-1	JCY28-2	JCY28-2B
Power	1*20W	2*20W	2*20W
Compensating capacitance	4.75 μf	7.5 μf	7.5 μf
Weight	4.5kg	4.5kg	4.5kg
Voltage	110V/60Hz, 220V/50Hz, 220V/60Hz		
Power factor	>0.85		
Lamp holder	G13		
Cable outside diameter	$\phi 8 - \phi 16$		M25x1.5
Protection class	IP67		



JCY48-

patent No: ZL2004 30018 543.3

FLUORESCENT PENDANT LIGHT


**JCY48-1
JCY48-2**

JCY48-2B

The scope of application

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

Products characteristic

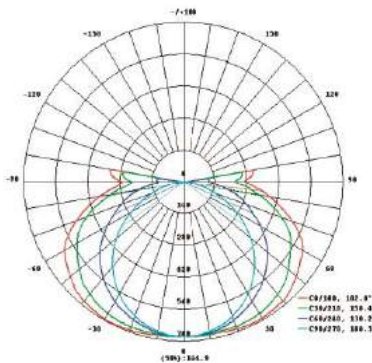
1. The shell adopts good quality steel plate tensioned, lampshade adopts injection of PC, and has the seal structure.
2. The lamp body has compact structure and delicacy appearance, adopt the import spin-type of lamp holder of, and it is convenient to connect inside.
3. Equipped compensating capacitance inside the light, also has the good effect of start.

Adopt standard

Conform to IEC60092-306-2009 standard and GRADE ENTRY NORMS FOR STEEL SHIPS.

Production authentication

The product approved by the CCS(China Classification Society).

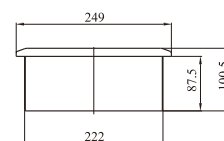
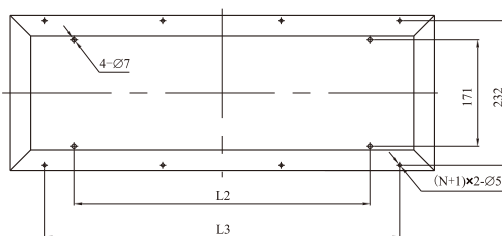
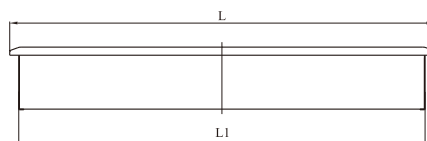
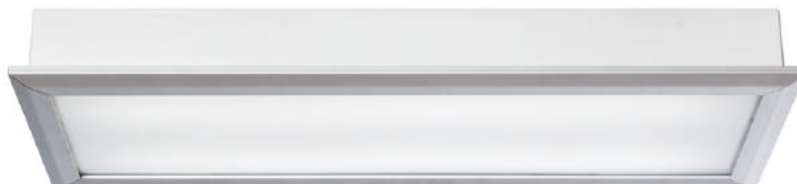

JCY48-

Type	JCY48-1	JCY48-2	JCY48-2B
Power	1*40W	2*40W	2*40W
Compensating capacitance	4.75 μf	7.5 μf	7.5 μf
Weight	8kg	8kg	8kg
Voltage	110V/60Hz, 220V/50Hz, 220V/60Hz		
Power factor	>0.85		
Lamp holder	G13		
Cable outside diameter	$\phi 8 - \phi 16$		
Protection class	IP67		



LED FLUORESCENT CEILING LIGHT

LED



Type	L	L1	L2	L3	n
JPY27-2L	681	652	475	570	3
JPY47-2L	1292	1262	1085	1100	5
JPY27-2EL	681	652	475	570	3
JPY47-2EL	1292	1262	1085	1100	5

The scope of application

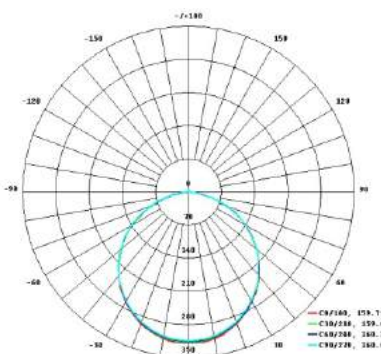
Applied to dry cabin, such as the residence, rest room, dining room, cab, operator of the sailors and passengers.

Products characteristic

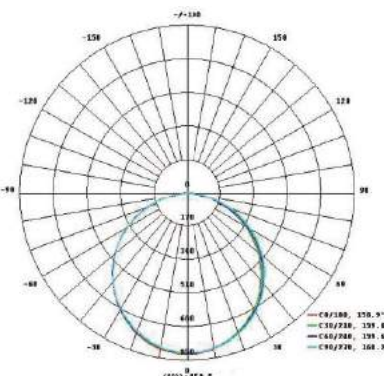
1. The installation of the light is recessed type, compact structure and delicacy appearance.
2. The lampshade is made of good quality organic, it has good toughness, soft glow and will not discolor.
3. It adopts good LED lamp, with high light efficiency, the working life can be over 50,000 hours.
4. The LED starter has stabled components, to assure that the circuit has a long life time, and it has the protection for the short circuit and over load, to assure that the LED light work for long term.

Standard adopted

Adopt the standard of IEC60092-306, GB7000.1, GB7000.10, GB17743, GB 19510.1, GB 19510.14 Conform to GRADE ENTRY NORMS FOR STEEL SHIPS.



JPY27-2

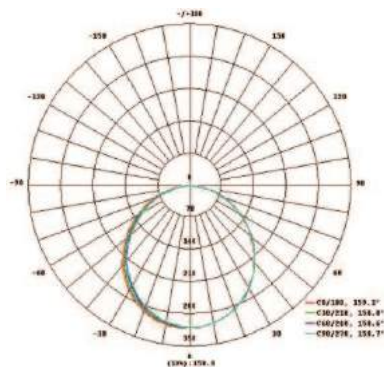
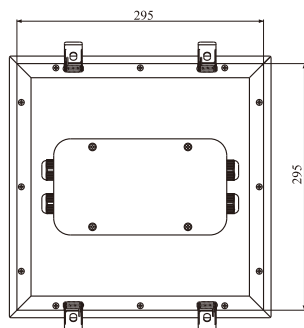
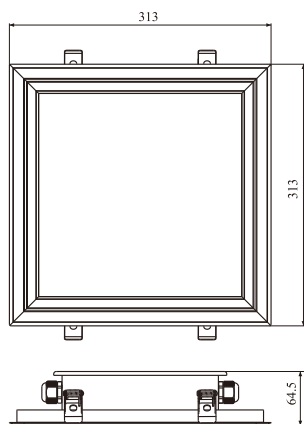


JPY47-2

Type	JPY27-2L	JPY27-2EL	JPY47-2L	JPY47-2EL
Power	2*8W	2*8W+24V/3W	2*18W	2*18W+24V/3W
Weight	5.6kg	5.8kg	10.2kg	10.4kg
Rated volage	AC100V~240V 50Hz / 60Hz			
Illuminant	LED			
Protection class	IP44			

JPL12 JPL12-E

LED FLUORESCENT CEILING LIGHT



JPL12 JPL12-E

Application scope

Applied to the passage, laundry room, bathroom, meeting room, control room and rest room in offshore oil platform and kinds of ships it works under $-30^{\circ}\text{C} \sim 55^{\circ}\text{C}$.

Product characteristics

1. The frame adopts good quality aircraft aluminum alloy with high hardness, fast heat dissipation, moisture-proof and rust-proof performance, and anti-deformation.
2. The light guide plate and diffuser plate adopt good quality Bulletproof plastic, wear resistance and anti-corrosion
3. Use imported LED lamp in good quality, it has high lighting effect, good color rendering and long life of over 50000 hours.
4. The installation of the light is recessed type. The light frame surface is processed by metal wire drawing oxidation treatment or sandblasting oxidation treatment. The structure is compact with good appearance, and it is convenient to install.
5. The LED starter has stable components, to assure that the circuit has a long life time, and it has the protection for the short circuit and over load, to assure that the LED light work for long term.
6. The light can be equipped with 24V/5W emergency drive. The edge of lampshade is marked with the sign ●. Please remark clearly if the emergency device is needed when order.

Standards

GB7000.1(IEC 60598-1), GB 7000.12(IEC60598-2-2), GB17743(CISPR 15:2005), GB19510.1(IEC61347-1), GB19510.14(IEC61347-2-13) etc.

Type	JPL12	JPL12-E
Rated voltage	AC100-240V 50/60Hz	AC100-240V 50/60Hz /DC24V
Power	12W	12W+24V/5W
Illuminant	LED	
Luminous flux	800 lm-1000 lm	
Color rendering index	$Ra \geq 85$	
Color temperature	5500K-6500K	
Protection class	IP44	
Cable outside diameter	$\Phi 10\text{-}\Phi 12$	
Weight	2.0kg	2.3kg
Installation way	recessed type	






Application scope

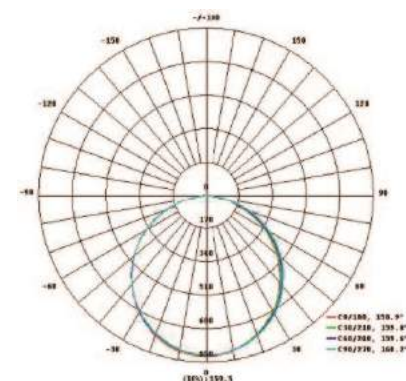
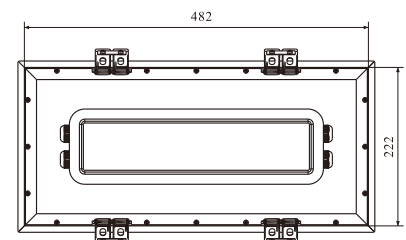
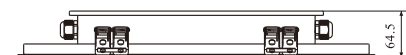
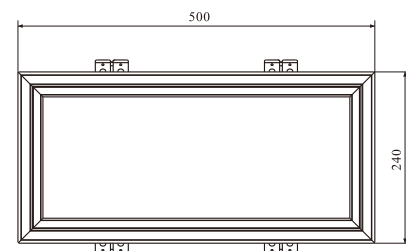
Applied to the passage, laundry room, bathroom, meeting room, control room and rest room in offshore oil platform and kinds of ships it works under $-30^{\circ}\text{C} \sim 55^{\circ}\text{C}$.

Product characteristics

1. The frame adopts good quality aircraft aluminum alloy with high hardness, fast heat dissipation, moisture-proof and rust-proof performance, and anti-deformation.
2. The light guide plate and diffuser plate adopt good quality Bulletproof plastic, wear resistance and anti-corrosion
3. Use imported LED lamp in good quality, it has high lighting effect, good color rendering and long life of over 50000 hours.
4. The installation of the light is recessed type. The light frame surface is processed by metal wire drawing oxidation treatment or sandblasting oxidation treatment. The structure is compact with good appearance, and it is convenient to install.
5. The LED starter has stabled components, to assure that the circuit has a long life time, and it has the protection for the short circuit and over load, to assure that the LED light work for long term.
6. The light can be equipped with 24V/5W emergency drive. The edge of lampshade is marked with the sign . Please remark clearly if the emergency device is needed when order.

Standards

GB7000.1(IEC 60598-1), GB 7000.12(IEC60598-2-2), GB17743(CISPR 15:2005), GB19510.1(IEC61347-1), GB19510.14(IEC61347-2-13) etc.



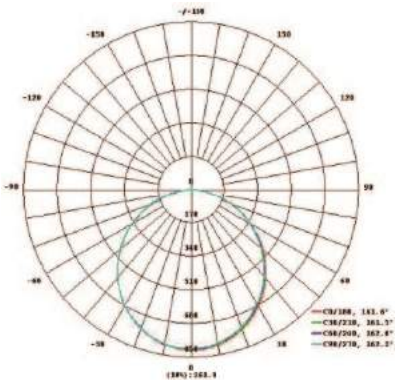
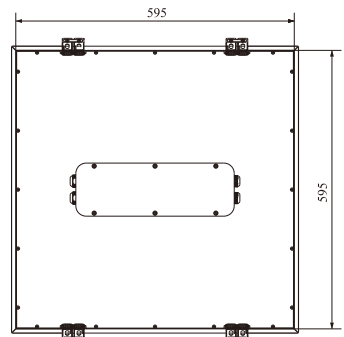
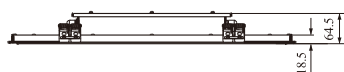
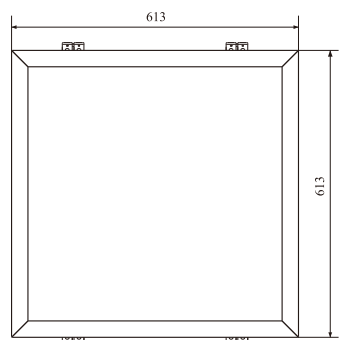
HJPL18 HJPL18-E

Type	JPL18	JPL18-E
Rated voltage	AC100-240V 50/60Hz	AC100-240V 50/60Hz /DC24V
Power	18W	18W+24V/3W
Illuminant	LED	
Luminous flux	1200 lm-1500 lm	
Color rendering index	$Ra \geq 85$	
Color temperature	5500K-6500K	
Protection class	IP44	
Cable outside diameter	$\Phi 10-\Phi 12$	
Weight	3kg	3.5kg
Installation way	recessed type	

JPL40 JPL40-E

patent No: ZL2015303137001

LED FLUORESCENT CEILING LIGHT



JPL40 JPL40-E

Application scope

Applied to the passage, laundry room, bathroom, meeting room, control room and rest room in offshore oil platform and kinds of ships it works under $-30^{\circ}\text{C} \sim 55^{\circ}\text{C}$.

Product characteristics

1. The frame adopts good quality aircraft aluminum alloy with high hardness, fast heat dissipation, moisture-proof and rust-proof performance, and anti-deformation.
2. The light guide plate and diffuser plate adopt good quality Bulletproof plastic, wear resistance and anti-corrosion
3. Use imported LED lamp in good quality, it has high lighting effect, good color rendering and long life of over 50000 hours.
4. The installation of the light is recessed type. The light frame surface is processed by metal wire drawing oxidation treatment or sandblasting oxidation treatment. The structure is compact with good appearance, and it is convenient to install.
5. The LED starter has stabled components, to assure that the circuit has a long life time, and it has the protection for the short circuit and over load, to assure that the LED light work for long term.
6. The light can be equipped with 24V/5W emergency drive. The edge of lampshade is marked with the sign ●. Please remark clearly if the emergency device is needed when order.

Standards

GB7000.1(IEC 60598-1), GB 7000.12(IEC60598-2-2), GB17743(CISPR 15:2005),

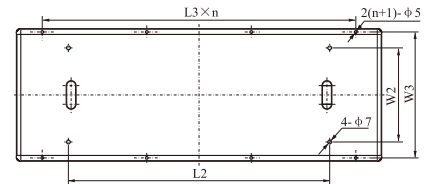
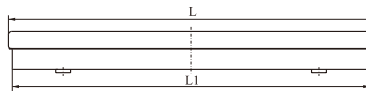
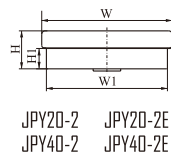
GB19510.1(IEC61347-1), GB19510.14(IEC61347-2-13) etc.

Type	JPL40	JPL40-E
Rated voltage	AC100-240V 50/60Hz	AC100-240V 50/60Hz /DC24V
Power	40W	40W+24V/3W
Illuminant	LED	
Luminous flux	2600 lm-3000 lm	
Color rendering index	$R_a \geq 85$	
Color temperature	5500K-6500K	
Protection class	IP44	
Cable outside diameter	$\Phi 10-\Phi 12$	
Weight	5kg	5.5kg
Installation way	recessed type	



FLUORESCENT CEILING LIGHT

JPY-



Type	L	L1	L2	L3 x n	W	W1	W2	W3	H	H1
JPY20-2	664	647	475	190 x 3	241	220	171	229	69	37
JPY20-2E	664	647	475	190 x 3	241	220	171	229	69	37
JPY40-2	1274	1250	1085	280 x 4	258	222	171	232	65	34
JPY40-2E	1274	1250	1085	280 x 4	258	222	171	232	65	34

The scope of application

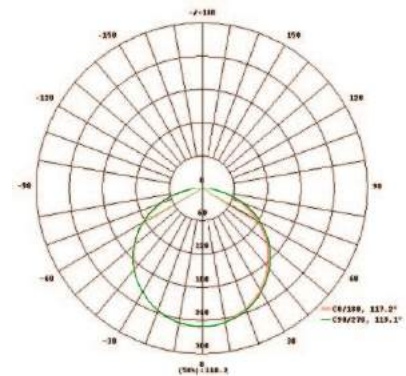
Applied to dry cabin, such as the residence, rest room, dining room, cab, operator of the sailors and passengers

Products characteristic

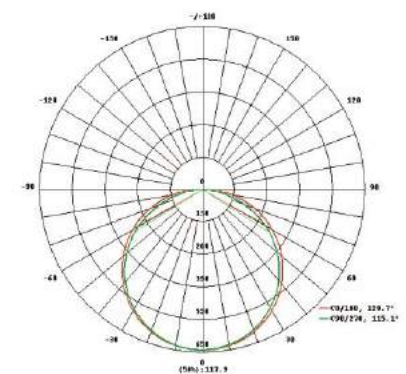
1. The installation way of the light is recessed-type, compact structure and delicacy appearance.
2. The lampshade is made of PC, non-discolouring, fine toughness, softness ray.
3. Equipped compensating capacitance inside the light, also has the good effect of start, spin-type of lamp holder, has fine contact function.
4. The lamp equipped B15d lampholder, used for 24V/15W emergency bulb, the edge of lampshade marks the ● marking, remark clearly that need the emergency device when order.

Production authentication

The product approved by the CCS(China Classification Society).



JPY20-2



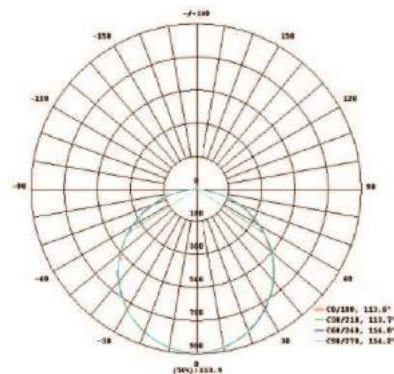
JPY40-2

Type	JPY20-2	JPY20-2E	JPY40-2	JPY40-2E
Power factor	2*20W	2*20W	2*40W	2*40W
Lamp holder	5.2kg	5.2kg	11.5kg	11.5kg
Protection class	110V/60Hz, 220V/50Hz, 220V/60Hz			
Type	>0.85			
Power	G13			
Weight	IP22			

JPY-

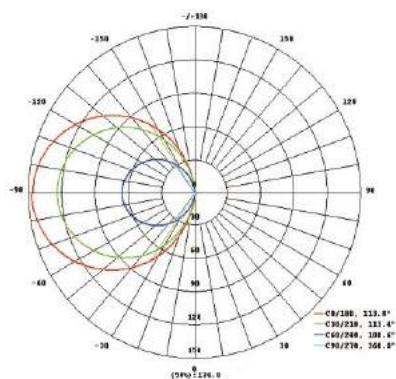
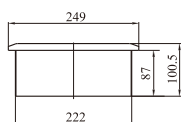
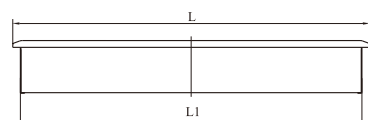
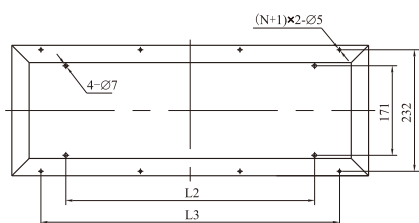
patent No: 201230555231.0

FLUORESCENT CEILING LIGHT



JPY41-2

Type	L	L1	L2	L3
JPY21-2N / JPY21-2EN	682	652	475	190×3
JPY41-2N / JPY41-2EN	1293	1262	1085	220×5



JPY21-2

The scope of application

Applied to dry cabin, such as the residence, rest room, dining room, cab, operator of the sailors and passengers.

Products characteristic

1. The installation way of the light is recessed type, compact structure and delicacy appearance.
2. The lampshade is made of good quality acrylic, non-discoloring, fine toughness, softness ray.
3. Equipped with plug-in type of lamp holder, has fine contact function.
4. Brand New designed aluminum press frame, compact structure, easy to be installed and disassembled, convenient to be maintained.
5. The light equipped B15d lamp holder, used for 24V/15W emergency bulb, the edge of lampshade marks the ● marking, remark clearly that need the emergency device when order.

Production authentication

The product approved by the CCS(China Classification Society).

Type	JPY21-2N / JPY21-2EN	JPY41-2N / JPY41-2EN
Power	2*20W	2*40W
Weight	6.3kg	11.5kg
Voltage	110V/60Hz, 220V/50Hz, 220V/60Hz	
Power factor	>0.85	
Lamp holder	G13	
Protection class	IP44	



FLUORESCENT CEILING LIGHT

JPY21-2



The scope of application

Applied to dry cabin, such as the sailor and the residence, retiring room, dining room, cab, operator of passengers

Products characteristic

1. The installation way of the light is recessed type, compact structure and delicacy appearance.
2. The lampshade is made of good quality organic, not discolor, fine toughness, softness ray.
3. Equipped compensating capacitance inside the lamp holder, also has the good effect of start, plug-in type of lamp holder, has fine contact function.
4. The light equipped B15d lamp holder, used for 24V/15W emergency bulb, the edge of lampshade marks the ● marking, remark clear that need the emergency device when order.

Production authentication

Approved by the CCS(China Classification Society).

Power: 2*20W

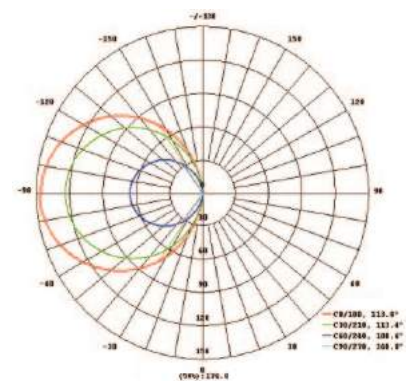
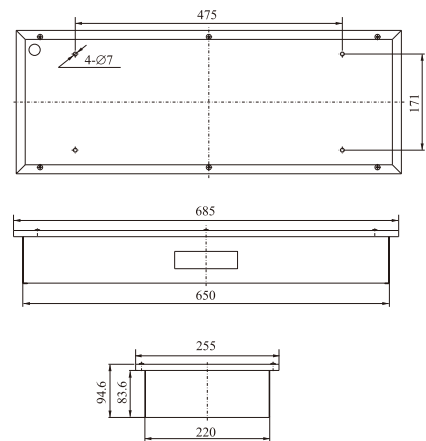
Voltage: 10V/60Hz 220V/50Hz 220V/60Hz

Power factor: >0.85

Lamp holder: G13

Protection class: IP44

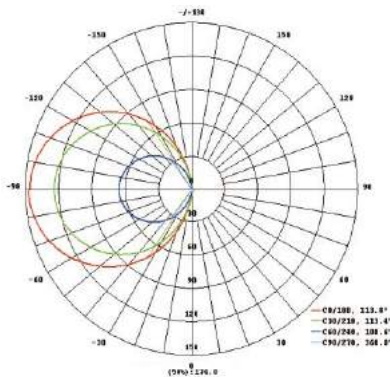
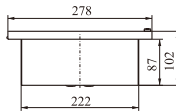
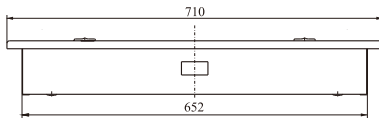
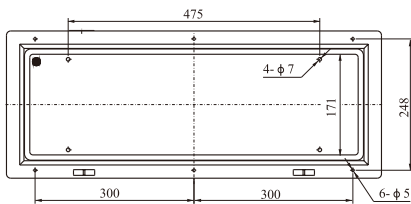
Weight: 8.0kg



JPY21-2

JPY22-2

FLUORESCENT CEILING LIGHT



JPY22-2

The scope of application

Applied to dry cabin, such as the residence, rest room, dining room, cab, operator of the sailors and passengers

Products characteristic

1. The installation way of the light is recessed-type, compact structure and delicacy appearance.
2. The lampshade is made of good quality acrylic, not discoloring, fine toughness, softness ray.
3. Equipped compensating capacitance inside the light, also has the good effect of start, spin-type of lamp holder, has fine contact function.
4. The lamp equipped B15d lampholder, used for 24V/15W emergency bulb, the edge of lampshade marks the ● marking, remark clearly that need the emergency device when order.

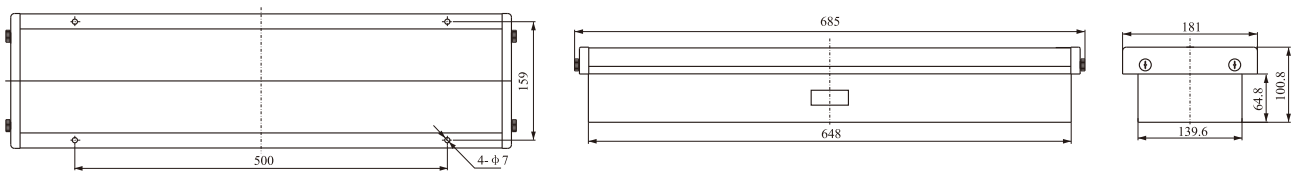
Production authentication

The product approved by the CCS(China Classification Society).

Type	JPY22-2	JPY22-2E
Power	2*20W	2*20W
Weight	8kg	8kg
Voltage	110V/60Hz, 220V/50Hz, 220V/60Hz	
Power factor	>0.85	
Lamp holder	G13	
Protection class	IP44	



JPY24-1 JPY24-2 FLUORESCENT CEILING LIGHT



The scope of application

Applied to dry cabin, such as the residence, rest room, dining room, cab, operator of the sailors and passengers

Products characteristic

1. The manner of the light is recessed type, compact structure and delicacy appearance.
2. Equipped compensating capacitance inside the light, also has the good effect of start, plug-in type of lamp holder, has good contact function

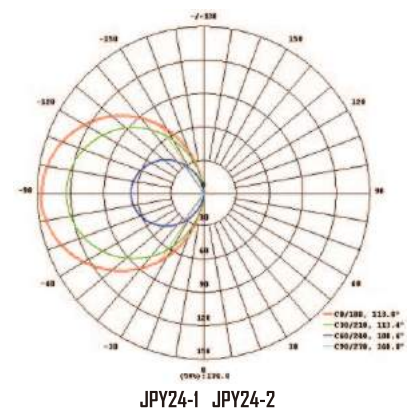
Adopt standard

Conform to the Japanese standard JISF8008-2010.

Production authentication

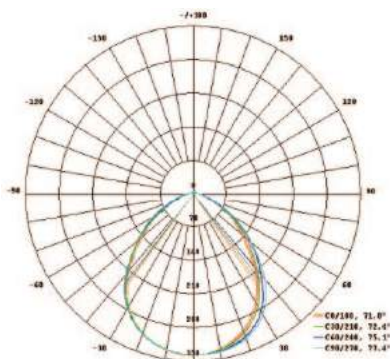
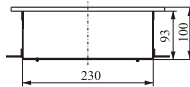
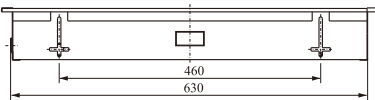
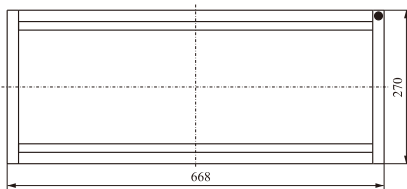
The product approved by the CCS(China Classification Society).

Type	JPY24-1	JPY24-2
Power	1*20W	2*20W
Weight	5.2kg	5.2kg
Compensating capacitance	4.75 μ f	7.5 μ f
Voltage	110V/60Hz, 220V/50Hz, 220V/60Hz	
Power factor	>0.85	
Lamp holder	G13	
Protection class	IP34	



JPY25-2

FLUORESCENT CEILING LIGHT



JPY25-2

The scope of application

Applied to dry cabin, such as the residence, rest room, dining room, cab, operator of the sailors and passengers

Products characteristic

1. The manner of the light is recessed type, compact structure and delicacy appearance.
2. Equipped compensating capacitance inside the light, also has the good effect of start, plug-in type of lamp holder, has good contact function

Adopt standard

Conform to the the standard of GB7000.

Production authentication

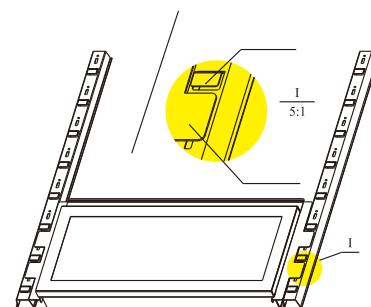
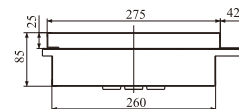
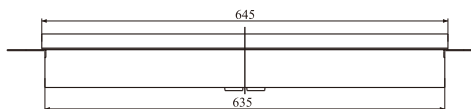
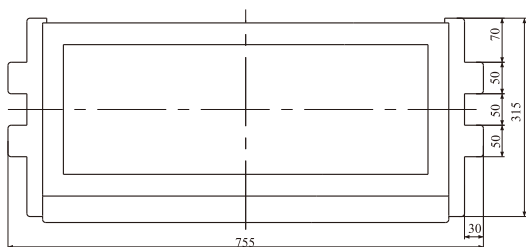
The product approved by the CCS(China Classification Society).

Type	JPY25-2
Power	2*20W
Weight	7kg
Compensating capacitance	7.5 μ f
Voltage	110V/60Hz, 220V/50Hz, 220V/60Hz
Power factor	>0.85
Lamp holder	G13
Protection class	IP22



FLUORESCENT CEILING LIGHT

JPY26-2



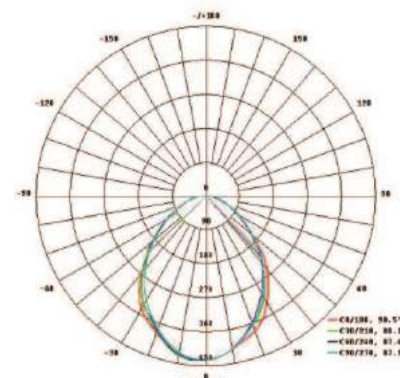
The scope of application

Applied to dry cabin, such as the residence, rest room, dining room, cab, operator of the sailors and passengers

Products characteristic

1. The installation way of the light is recessed type, compact structure and delicacy appearance
2. Equipped compensating capacitance inside the light, also has the good effect of start, plug-in type of lamp holder, has fine contact function
3. The body stretch by the steel material, lampshade use the engineering plastic bar screen, light-emitting is well-distributed

Voltage	110V/60Hz, 220V/50Hz, 220V/60Hz
Power	2*20W
Power factor	>0.85
Lamp holder	G13
Light source	Round fluorescent tube
Protection class	IP22
Weight	5.2kg



JPY26-2

CPD-

CEILING LIGHT

The scope of application

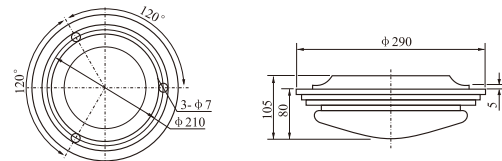
Applied to the illumination in residence cabin, office and entertainment room etc. of ship.

Products characteristic

1. Steel shell, recessed type, milk white lampshade.
2. The light equipped with B15d lamp holder, used for illumination of 24V/15W emergency bulb, the edge of lampshade marks the ● marking, remark clearly that need the emergency device when order.



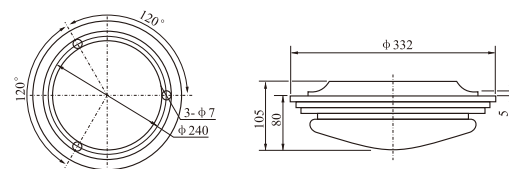
CPD1 - 1 Single-bulb ceiling light
Voltage: 110V / 220V
Material: steel
Power: 60W
Illuminant: Incandescent lamp
Lamp holder: E27
Protection class: IP20
Weight: 1.85kg



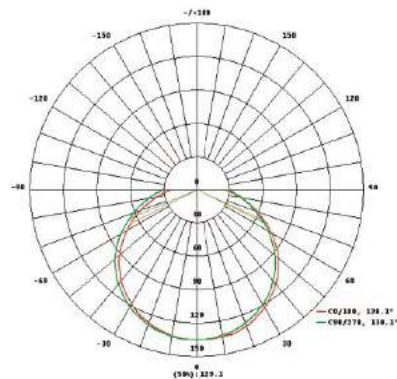
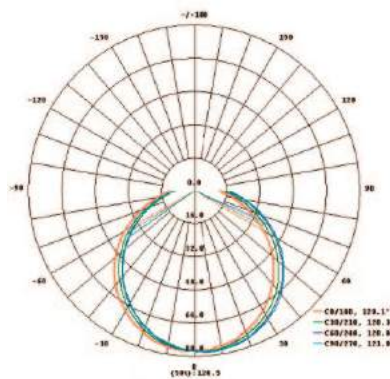
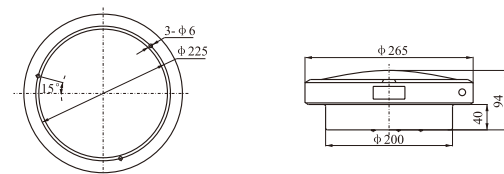
Office No: 412E, Ibn Battuta Gate Office Building, Dubai
Tel No: +971-4-553-0601, Email: info@korner-stone.com



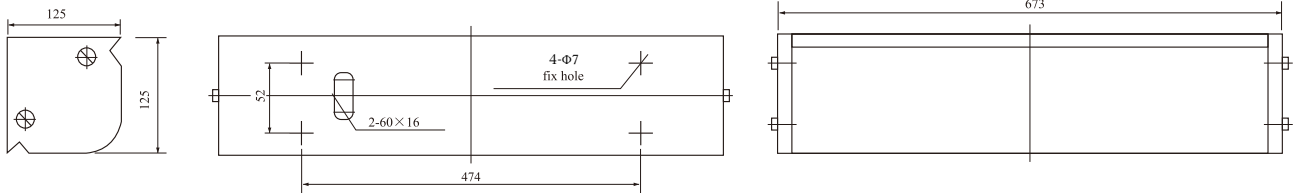
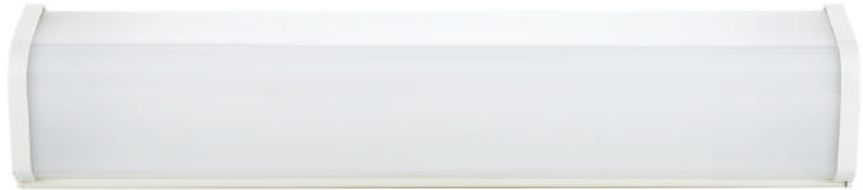
CPD1 - 2 Double-bulb ceiling light
Voltage: 110V / 220V
Material: steel
Power: 60W x 2
Illuminant: Incandescent lamp
Lamp holder: E27
Protection class: IP20
Weight: 2.2kg



CPD30 - 1B Round Fluorescent ceiling light
Voltage: 110V / 220V
Material: steel
Power: 22W
Illuminant: Round Fluorescent tube
Lamp holder: G10q
Protection class: IP20
Weight: 3.0kg



FLUORESCENT CORNER LIGHT JBY20-1 JBY20-1E



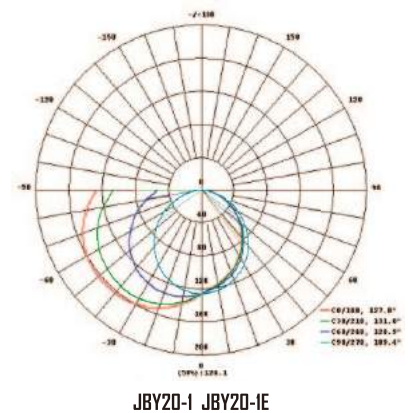
The scope of application

Applied to working and emergency illumination of dry cabin, such as the residence, retiring room, dining room, cab, operator of the sailors and passengers.

Products characteristic

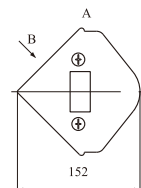
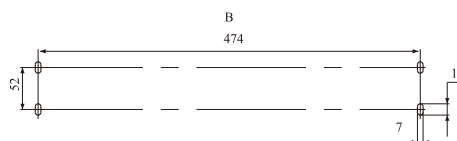
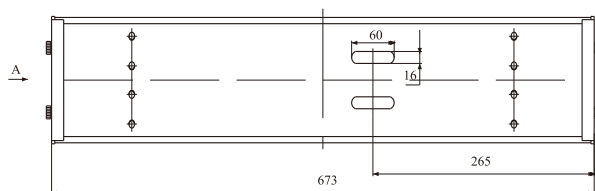
1. The installation way of the lamp is wall-type, compact structure and delicacy appearance.
2. The lampholder is plug-in type, and has fine contact function.
3. The lampshade is made of good quality acrylic, not discoloring, fine toughness, softness ray etc.
4. The light equipped B15d lampholder, used for 24V/15W emergency bulb, the edge of lampshade marks the ● marking, remark clearly that need the emergency device when order.

Type	JBY20-1	JBY20-1E
Power	1*20W	1*20W+24V
Weight	4kg	4kg
Voltage	110V/60Hz, 220V/50Hz, 220V/60Hz	
Power factor	>0.85	
Lamp holder	G13	
Protection class	IP34	



JBY20-1L

LED CORNER LIGHT



The scope of application

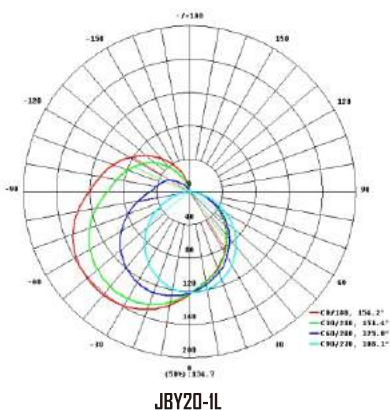
Applied to illumination of dry cabin, such as the residence, retiring room, cab, operator of the sailors and passengers.

Products characteristic

1. The installation of the lamp is wall-type, it has compact structure and delicacy appearance.
2. The lampshade is made of good quality acrylic, not discolor, fine toughness, softness ray, etc.
3. It adopts good LED lamp, with high light efficiency, the working life can be over 50,000 hours.
4. The LED starter has stabled components, to assure that the circuit has a long life time, and it has the protection for the short circuit and over load, to assure that the LED light work for long term.

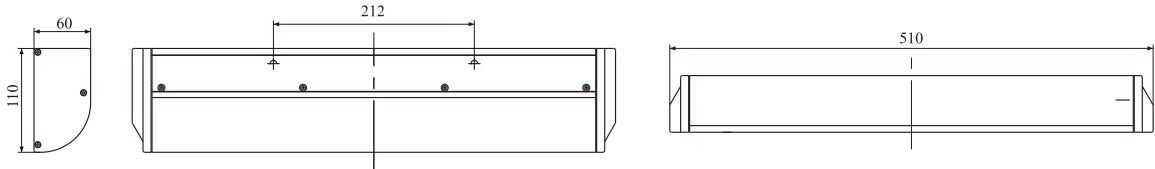
Standard adopted

IEC60092-306、GB7000.1, GB7000.10, GB17743, GB 19510.1, GB 19510.14.
Conform to GRADE ENTRY NORMS FOR STEEL SHIPS.



Rated voltage	AC100V~240V 50Hz/60Hz
Power	1*8W
Protection class	IP34
Illuminant	LED
Weight	4.0kg
Cable outside diameter	Φ14-Φ16





The scope of application

Applied to all kinds of place of ships of walkway, wash house, bathroom, seaman and passenger's living accommodation, restroom, canteen, cab, radio room, etc, for illumination use.

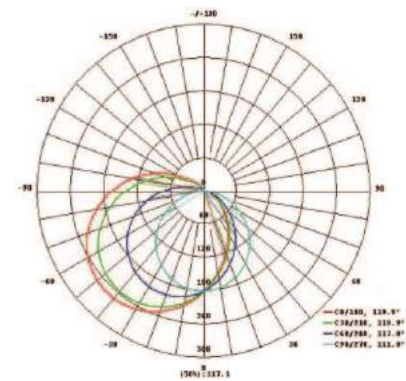
Product characteristics

1. The shell and panel adopts aircraft aluminum alloy extrusion moulding.
2. The lampshade adopts high quality PC material extrusion moulding for plastics, it has advantage of non-discoloring good toughness, soft glow.
3. The left and right side cover adopts aircraft aluminum alloy pressure casting.
4. The illuminant adopts OSRAM LED light source, LED control device adopts stable performance components .
5. Installation type: bottom mounting type.

Adopted standard;

GB 7000.1(IEC60598-1), GB 7000.201(IEC60598-2-1), IEC60092-306, Gb17743, GB19510.1, GB19510.14

Type	HJBL12	HJBL12-E
Rated voltage	AC100-240V 50/60Hz	AC100-240V 50/60Hz DC 24V
Power	12W	12W 3W
Weight	1.9Kg	2.2Kg
Illuminant	LED	
ra	Ra ≥ 85	
Luminous flux	1200lm 300lm	
color temperature	5500-6500K	
Protection class	IP44	
Cable outside diameter	Φ8-Φ10	
installation	Fixed installation	



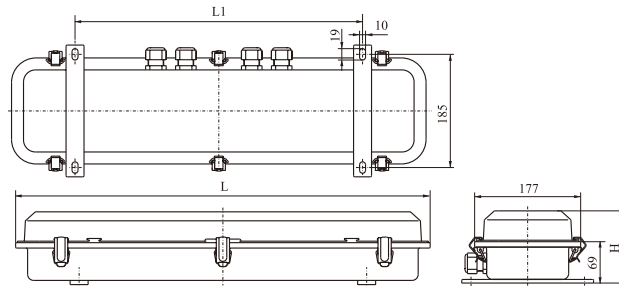
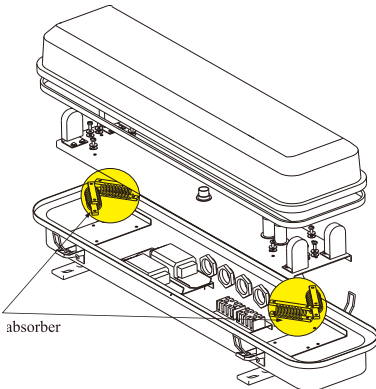
HJBL12 HJBL12-E

JCY-J

FLUORESCENT PENDANT LIGHT WITH SHOCK ABSORBER OF SHIPS



quakeproof sketch map



The scope of application

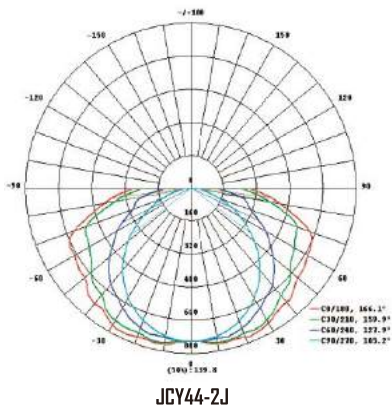
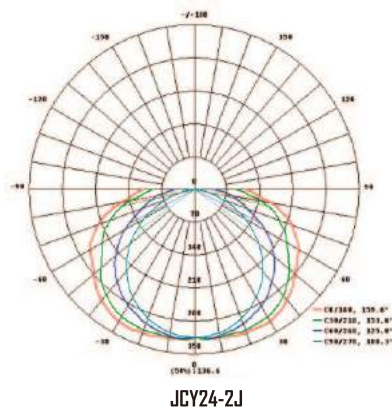
Applied to illumination of water dripping, water spattering, water coagulating place in ships, such as oven cabin, dry cabin, tunnel, pipeline and weather deck etc.

Products characteristic

1. Equipped the shock absorber inside, shockproof-type.
2. The shell adopts the steel plate tensioned.
3. The lampshade adopts PC, has the features of non-discolor and fine softness etc.
4. The light equipped B15d lamp holder, used for 24V/15W emergency bulb, the edge of lampshade marks the ● marking, remark clear that need the emergency device when order.

Adopt standard

Conform to the National Army standard GJB4000-2000 MARINE ELECTRIC NORMS 3 group power system and CB1246-94 MARINE ILLUMINATE LIGHTS COMMONLY USED NORMS.

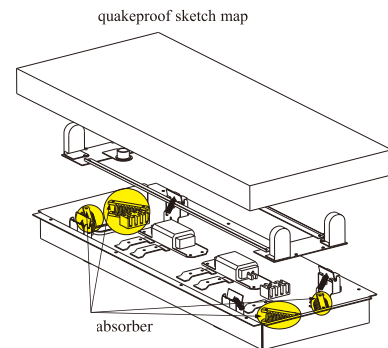
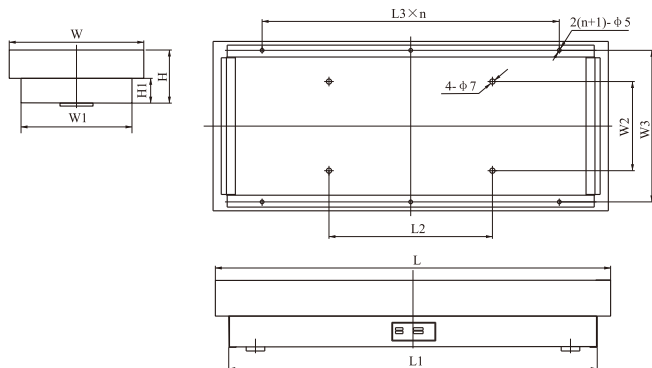


Voltage	110V/60Hz, 220V/50Hz, 220V/60Hz
Power factor	>0.85
Lamp holder	G13
Cable outside Diameter	φ 14- φ 16
Protection class	IP56

Type	Power	Weight	Remark	L	L1	H
JCY24-2J	2*20W	7.2kg		692	480	134
JCY24-2EFJ	2*20W	7.2kg	with guard	692	480	155
JCY44-2J	2*40W	11kg		1299	700	134
JCY44-2EFJ	2*40W	11kg	with guard	1299	700	155



FLUORESCENT CEILING LIGHT WITH SHOCK ABSORBER OF SHIPS



The scope of application

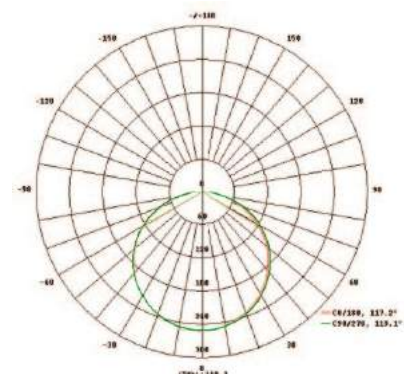
Applied to dry cabin of ships, such as the residence, retiring room, dining room, cab, operator of the sailors and passengers.

Products characteristic

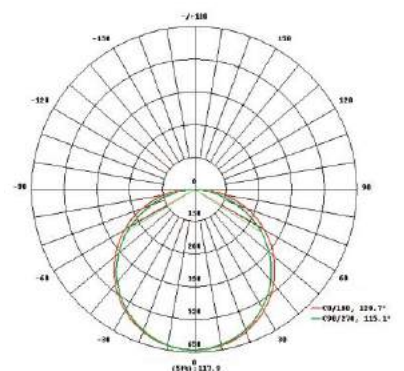
1. Equipped the shock absorber inside, shockproof-type.
2. The shell welded by the steel plate.
3. The lampshade adopts good quality PC, has the features of non-discolor and fine softness etc.
4. The light equipped B15d lamp holder, used for 24V/15W emergency bulb, the edge of lampshade marks the ● marking, remark clear that need the emergency device when order.

Adopt standard

Conform to the National Army standard GJB4000-2000 MARINE ELECTRIC NORMS 3 group power system and CB1246-94 MARINE ILLUMINATE LIGHTS COMMONLY USED NORMS.



JPY20-2J



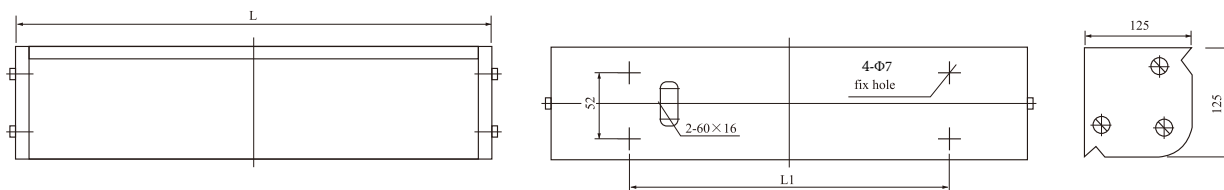
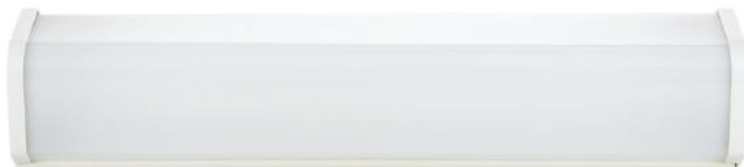
JPY40-2J

Voltage	110V/60Hz, 220V/50Hz, 220V/60Hz
Power factor	>0.85
Lamp holder	G13
Protection class	IP22

Type	Power	Weight	L	L1	L2	L3xn	W	W1	W2	W3	H	H1
JPY20-2J	2*20W	5.2kg	664	650	475	190x3	243	222	171	229	95	63
JPY20-2EJ	2*20W	5.2kg	664	650	475	190x3	243	222	171	229	95	63
JPY40-2J	2*40W	11.5kg	1288	1250	1085	280x4	262	222	171	232	90	42
JPY40-2EJ	2*40W	11.5kg	1288	1250	1085	280x4	262	222	171	232	90	42

JBY-J

FLUORESCENT CORNER LIGHT WITH SHOCK ABSORBER



L	L1
673	400
673	400

The scope of application

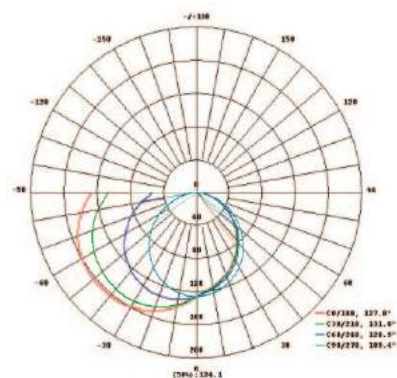
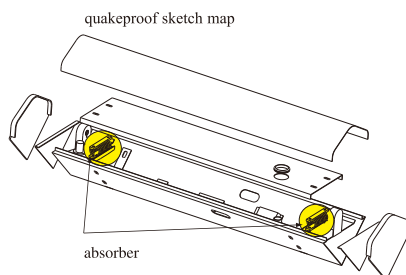
Applied to dry cabin of ships, such as the residence, retiring room, dining room, cab, operator of the sailors and passengers.

Products characteristic

1. Equipped the shock absorber inside, shockproof-type.
2. The shell welded by the steel plate.
3. The lampshade is made of acrylic, has the features of non-discolor and fine softness etc.
4. The light equipped B15d lamp holder, used for 24V/15W emergency bulb, the edge of lampshade marks the ● marking, remark clear that need the emergency device when order.

Adopt standard

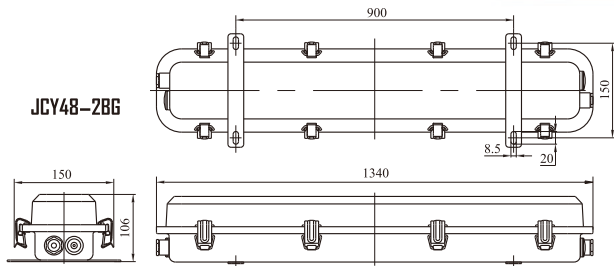
Conform to the National Army standard GJB4000-2000 MARINE ELECTRIC NORMS 3 group power system and CB1246-94 MARINE ILLUMINATE LIGHTS COMMONLY USED NORMS.



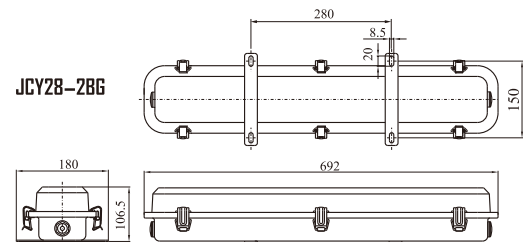
Type	JBY20-1J	JBY20-1EJ
Power	1*20W	1*20W
Weight	4.0kg	4.0kg
Voltage	110V/60Hz, 220V/50Hz, 220V/60Hz	
Power factor	>0.85	
Lamp holder	G13	
Protection class	IP34	



FLUORESCENT PENDANT LIGHT WITH BATTERY



JCY48-2BG



JCY28-2BG

The scope of application

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

Products characteristic

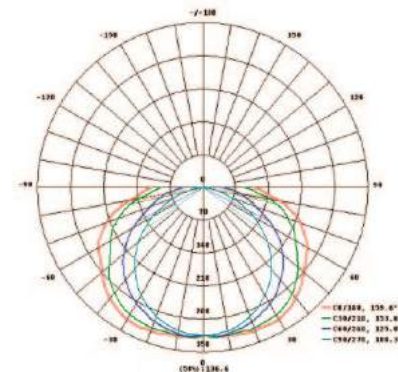
1. The shell adopts good quality steel plate tensioned, lampshade adopts injection of PC, and has the seal structure.
2. The lamp body has compact structure and delicacy appearance, adopt the import spin-type of lamp holder of, and it is convenient to connect inside.
3. Equipped compensating capacitance inside the light, also has the good effect of start.
4. Tube emergency G(single-tube), Voltage:220V, Power: 20W/40W.
5. The edge of lampshade marks the ● marking, the time of automatic emergency illumination is not less than 180 min.

Adopt standard

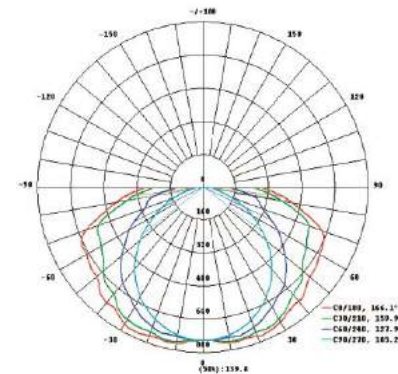
Conform to IEC60092-306-2009 standard and GRADE ENTRY NORMS FOR STEEL SHIPS.

Production authentication

The product approved by the CCS(China Classification Society).



JCY28-2BG

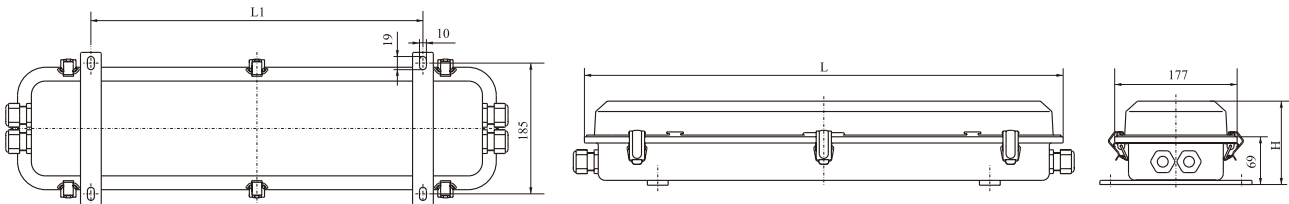
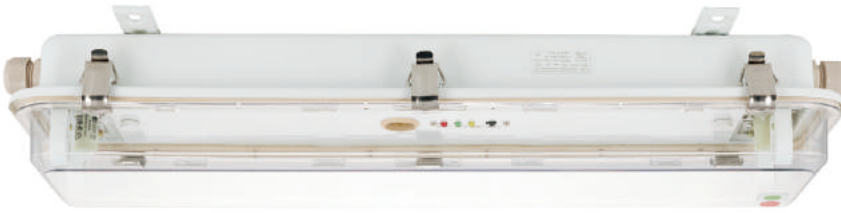


JCY48-2BG

Type	JCY28-2BG	JCY48-2BG
Power	2*20W	2*40W
Compensating capacitance	7.5 μf	7.5 μf
Weight	4.5kg	8kg
Voltage	110V/60Hz, 220V/50Hz, 220V/60Hz	
Power factor	>0.85	
Lamp holder	G13	
Cable outside diameter	$\phi 8 - \phi 16$	
Protection class	Ip67	
Ballast type	One ballast for two tubes	One ballast for one tubes

JCY-

FLUORESCENT PENDANT LIGHT WITH BATTERY



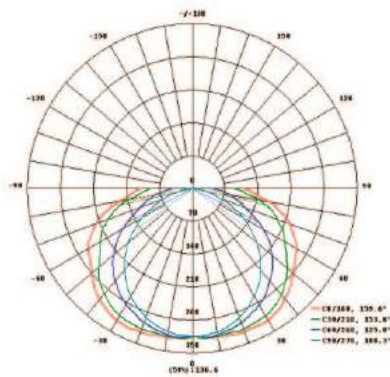
Type	L	L1	H
JCY201-2	692	480	134
JCY202-2	692	480	134
JCY401-2	1299	700	134
JCY402-2	1299	700	134

The scope of application

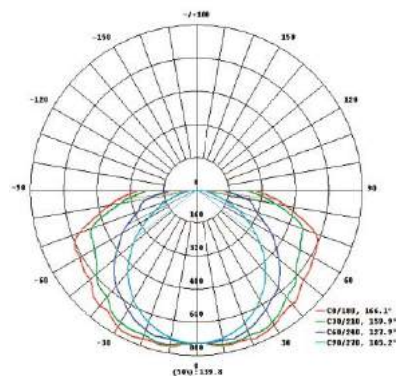
Applied to working and emergency illumination of water dripping, water spattering, water coagulating place in ships, such as oven cabin, dry cabin, tunnel, pipeline and weather deck etc.

Products characteristic

1. Bulb emergency , Lamp holder: B15d, Voltage: 24V, Power: 8-15W.
2. Tube emergency(single-tube), Voltage: 220V, Power: 20W/40W.
3. The edge of lampshade marks the ● marking, the time of automatic emergency illumination is not less than 180 min.



JCY201-2

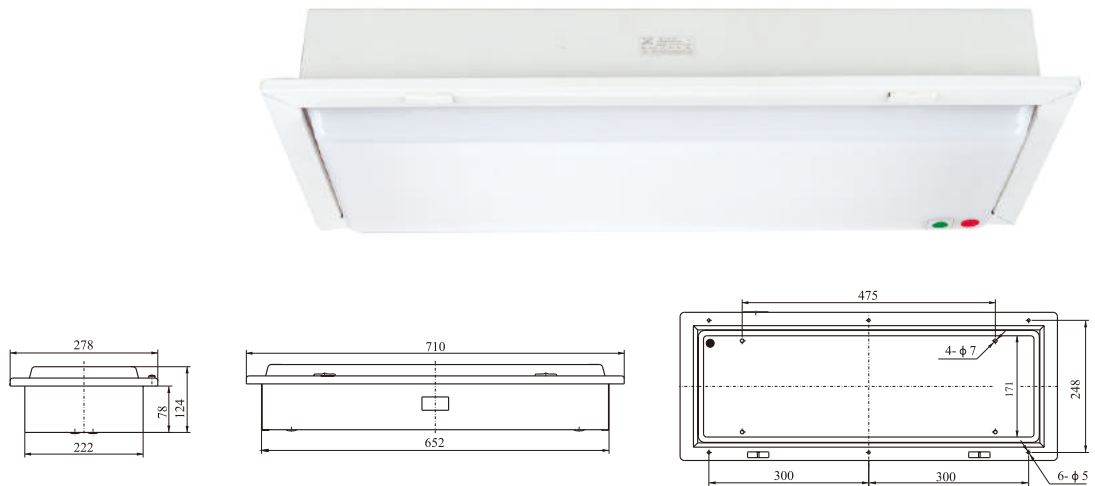


JCY401-2

Type	JCY201-2	JCY202-2	JCY401-2	JCY402-2
Power	2*20W	2*20W	2*40W	2*40W
Weight	7.5kg	7.5kg	11.3kg	11.3kg
Voltage	110V/60Hz, 220V/50Hz, 220V/60Hz			
Power factor	>0.85			
Lamp holder	G13			
Cable outside diameter	φ 14- φ 16			
Protection class	Ip56			
Emergency way	JCY201 - 2, JCY401 - 2 tube emergency JCY201 - 2, JCY402 - 2 bulb emergency			



FLUORESCENT CEILING LIGHT WITH EMERGENCY BATTERY



The scope of application

Applied to working and emergency illumination of dry cabin, such as the residence, retiring room, dining room, cab, operator of the sailors and passengers.

Products characteristic

1. Bulb emergency, Lamp holder: B15d, Voltage: 24V, Power: 8-15W.
2. Tube emergency (single-tube), Voltage: 220V, Power: 20W.
3. The edge of lampshade marks the ● marking, the time of automatic emergency illumination is not less than 180 min.

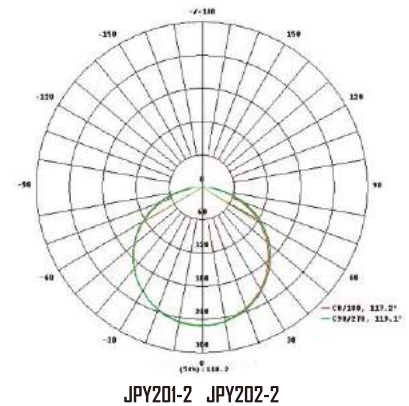
Adopt standard

Conform to the the standard of GB7000.

Production authentication

The product approved by the CCS(China Classification Society).

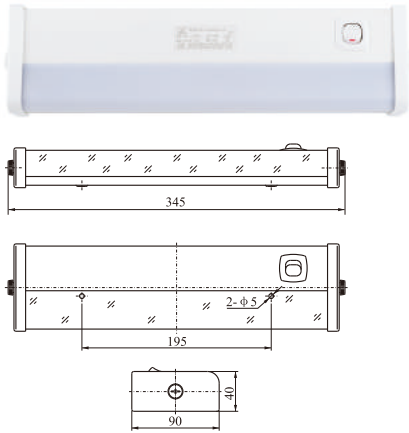
Type	JPY201-2	JPY202-2
Power	2*20W	2*20W
Weight	7.3kg	7.3kg
Emergency way	bulb emergency	tube emergency
Voltage	110V/60Hz, 220V/50Hz, 220V/60Hz	
Power factor	>0.85	
Lamp holder	G13	
Protection class	IP44	



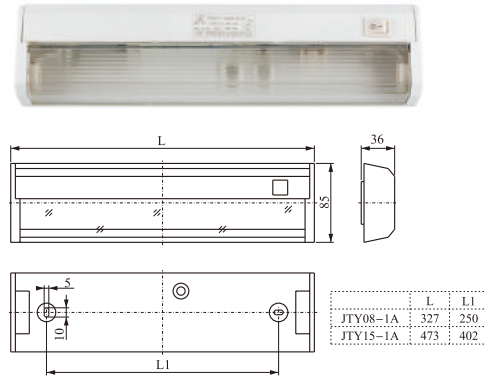
JTY-

FLUORESCENT BEDSIDE LIGHT

JTY08-I



JTY08-1A, JTY15-1A



The scope of application

Applied to bedside illumination of residential cabin in ships.

Products characteristic

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

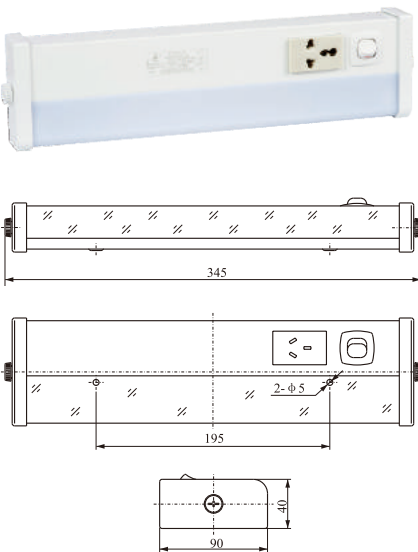
Adopt standard

Conform to GRADE ENTRY NORMS FOR STEEL SHIPS.

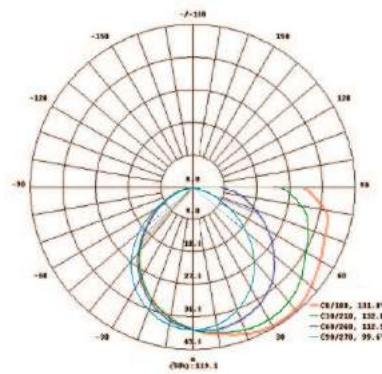
Production authentication

The product approved by the CCS(China Classification Society).

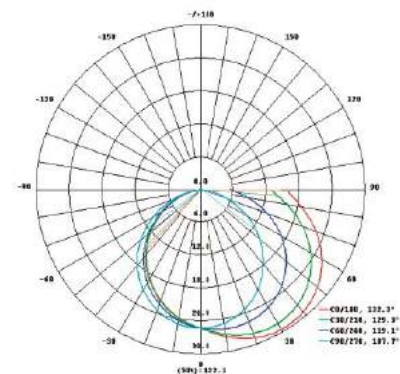
JTY08-1C



Type	JTY08-1	JTY08-1A	JTY08-1C	JTY15-1A
Power	1*8W	1*8W	1*8W	1*15W
Lamp holder	G5	G5	G5	G13
Weight	1kg	0.75kg	1kg	1kg
Voltage	110V/60Hz, 220V/50Hz, 220V/60Hz			
Protection class	IP20			



JTY08-1A

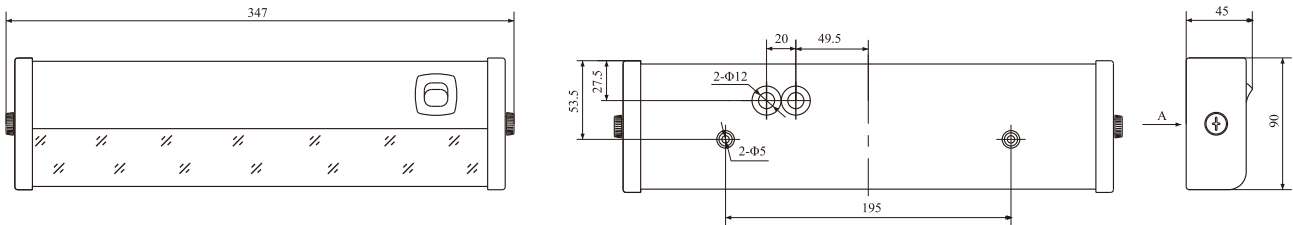


JTY08-1



LED BEDSIDE LIGHT

JTY08-1L



The scope of application

Applied to bedside illumination of residential cabin in ship

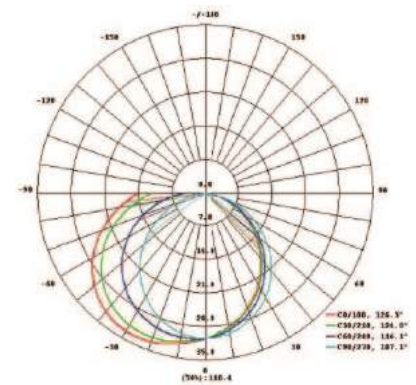
Product characteristic

1. The shell adopts good quality steel, lampshade adopts acrylic material which imported. The lamp body has compact structure and delicacy appearance.
2. It adopts good LED lamp, with high light efficiency, the working life can be over 50,000 hours.
3. The LED starter has stabled components, to assure that the circuit has a long life time, and it has the protection for the short circuit and over load, to assure that the LED light work for long term.

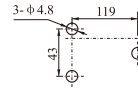
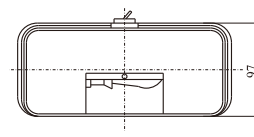
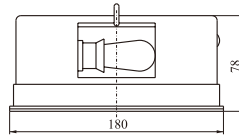
Standard adopted

IEC60092-306, GB7000.1, GB7000.12, GB17743, GB 19510.1, GB 19510.14.
Conform to GRADE ENTRY NORMS FOR STEEL SHIPS.

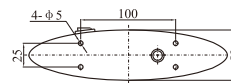
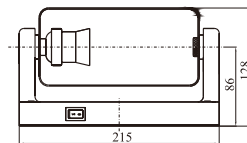
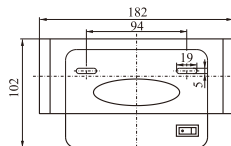
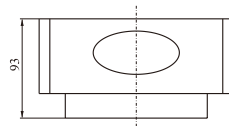
Type	JTY08-1L	JTY08-1CL
Rated voltage	AC100V~240V 50Hz/60Hz DC24V	
Power	3W	
Protection class	IP20	
Illuminant	LED	
Weight	1kg	
Cable outside diameter	Φ10-Φ12	With socket



CKS-
BEDSIDE LIGHT

CKS2

CKS3

patent No: ZL200920199531.2

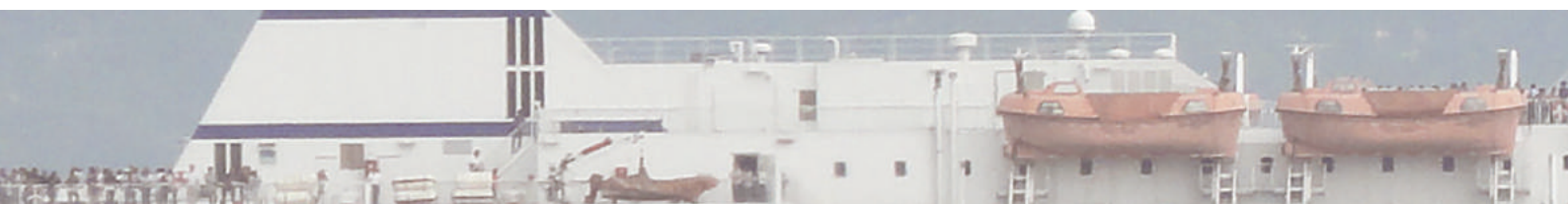

CKS21-A

The scope of application

Applied to bedside illumination of residential cabin in ship.

Products characteristic:

Spin-type lens hood, can adjust the ray intensity according to the requirement.

Type	CKS2	CKS3	CKS21-A
Power	15W~25W	15W~40W	15W~25W
Material	Steel	engineering plastic	Stainless steel
Weight	0.8kg	0.73kg	0.94kg
Voltage	24V/110V/220V		
Illuminant	Incandescent lamp		
Lamp holder	E27		





The scope of application

Applied to bedside illumination of residential cabin in ship.

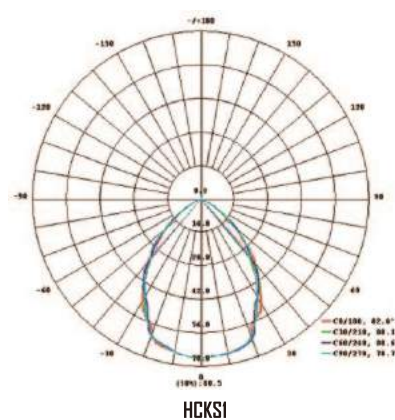
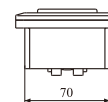
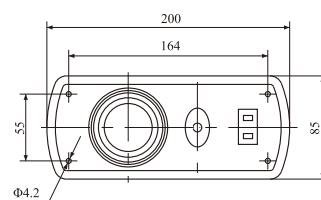
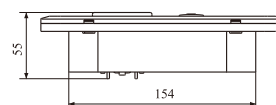
Product characteristic

1. The body is made of die cast aluminum and lampshade adopts PC injection moulding.
2. The illuminating intensity of the light can be adjust according to the requirement.
3. Soft ray of light, dazzle-free.
4. The lamp holder can be rotated to certain angles.
5. The illumination adopt LED, the working life can get up to 50,000 hours.
6. The LED starter has stabled components, to assure that the circuit has a long life time, and it has the protection for the short circuit and over load, to assure that the LED light work for long term.

Standard adopted

IEC60092-306, GB7000.1, GB7000.12, GB17743, GB 19510.1, GB 19510.14, IEC/PAS62722-2-1.

Rated voltage	AC100V~240V 50Hz/60Hz
Power	3W(High lighted) 0.7W(Low light)
Protection class	IP21
Illuminant	LED
Weight	0.3kg
Lampshade	Milk white Transparent
Body material	die casting Aluminum



HODU-

patent No: ZL200920199526.1

FLUORESCENT MIRROR LIGHT

The scope of application Applied to the illumination of wet places such as sidewalk, washroom, bathroom, sailors' rest room etc.

Products characteristic

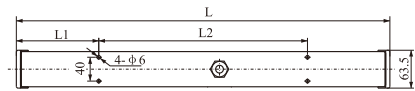
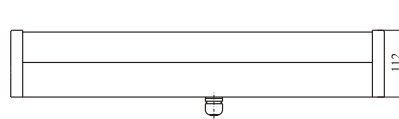
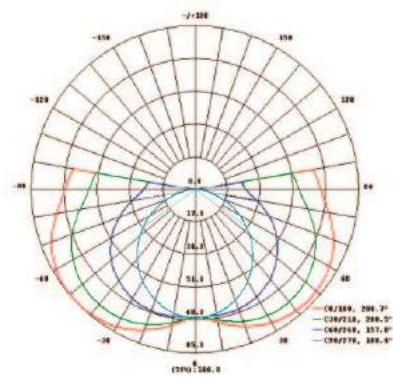
1. The shell adopts good quality aluminum, lampshade adopts PMMA
2. The lamp body has compact structure and delicacy appearance
3. HODU-15W, HODU-20W Spin-type lampholder, this lamp can equipped special power supply socket for shaver according to the request of the customer.

Adopt standard Conform to GRADE ENTRY NORMS FOR STEEL SHIPS.

Production authentication The product approved by the CCS(China Classification Society).



HODU-15W-A
HODU-20W-A



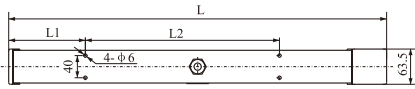
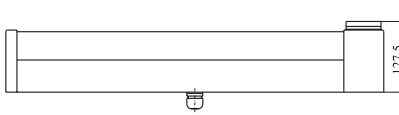
	L	L1	L2
HODU-15W-A	473	61.5	350
HODU-20W-A	626	138	350

Type	HODU-15W-A	HODU-20W-A
Power	1*15W	1*20W
Lamp Holder	G13	G13
Weight	1.63kg	1.75kg
Voltage	110V/60Hz, 220V/50Hz, 220V/60Hz	
Protection class	IP34	
Cable outside diameter	φ 10~ φ 14	



HODU-15W
HODU-20W

	L	L1	L2
HODU-15W	528	61.5	350
HODU-20W	682	138	350



Type	HODU-15W	HODU-20W
Power	1*15W	1*20W
Lamp holder	G13	G13
Weight	2.4kg	2.5kg
Voltage	110V/60Hz, 220V/50Hz, 220V/60Hz	
Protection class	IP34	
Cable outside diameter	φ 10~ φ 14	
	With socket	



FLUORESCENT MIRROR LIGHT

CBD17-C CBD17-E
CBD17-D CBD17-F

The scope of application

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

Products characteristic

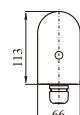
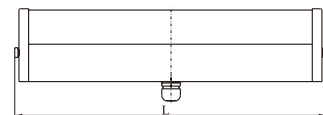
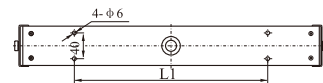
1. The shell adopts good quality aluminum, lampshade adopts PMMA
2. The lamp body has compact structure and delicacy appearance
3. CBD17-D, CBD17-F Spin-type lampholder, this lamp can equipped special power supply socket for shaver according to the request of the customer.

Type	CBD17-C	CBD17-E
Power	1*15W	1*20W
Weight	2.4kg	2.75kg
Voltage	110V/60Hz, 220V/50Hz, 220V/60Hz	
Protection class	IP34	

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



CBD17-C
CBD17-E

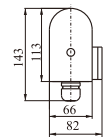
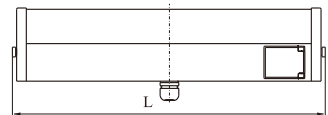
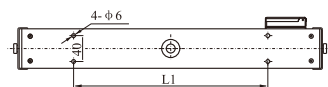


Type	CBD17-D	CBD17-F
Power	1*15W	1*20W
Weight	2.4kg	2.75kg
Voltage	110V/60Hz, 220V/50Hz, 220V/60Hz	
Protection class	IP34	

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

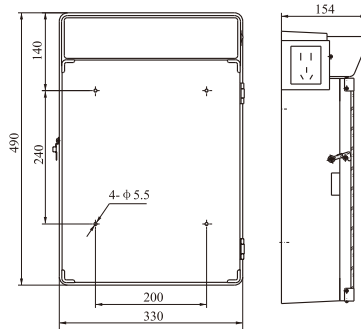


CBD17-D
CBD17-F



CBD17-G

MIRROR LIGHT IN WASHROOM



The scope of application

Applied to illumination before mirror in washroom of ships.

Products characteristic

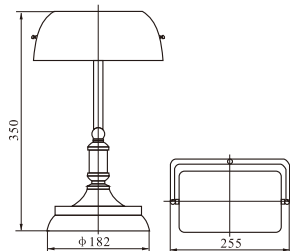
It can put washing items, with beautiful appearance, convenient installation, side equipped with switches and sockets.

Voltage	110V/60Hz, 220V/50Hz, 220V/60Hz
Type	CBD17-G
Power	1*8W
Weight	5.5kg
Protection class	IP34

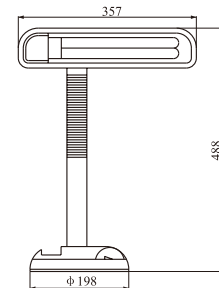
CTD-

READING LIGHT

CTD2



CTD6

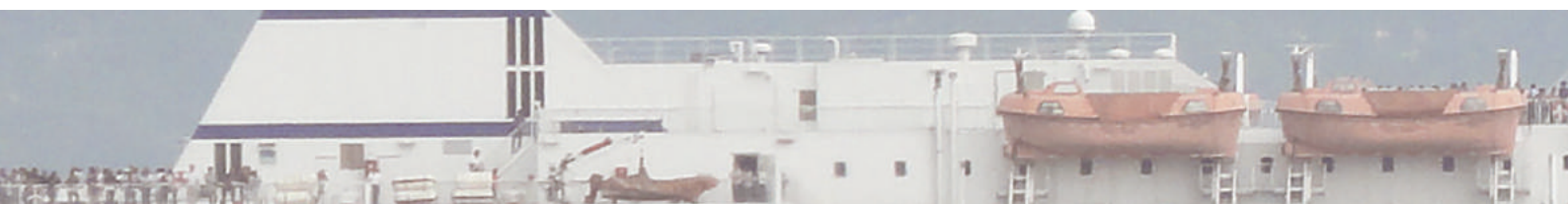


The scope of application Applied to the illumination of work table in cabin.

Products characteristic

1. CTD2 have the rubber automatic suction cup, can fix it on the work table automatically.
2. CTD6 has the eye-protection functions such as high frequency, non-flash and non-dizziness, with ray softness and approach natural light which is very suitable for reading.
3. Beautiful sculpt, softness ray.

Type	Voltage	Power	Illuminant	Material	Lamp holder	Lampshade	Weight
CTD2	AC220V	MAX60W	Incandescent lamp	steel	E27	Green	2.87kg
	AC220V	12W	Energy-saving tube				
CTD6	AC220V	27W	H-type energy-saving tube	plastic	G24d-3	Plastic	1.75kg



LED READING LIGHT
CTD4-L


IEC60598-1, IEC60598-2-4, GD01-2006

Application scope

Applied to the illumination of work table in cabin.

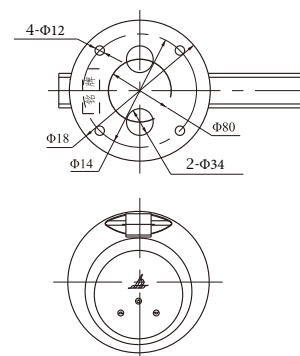
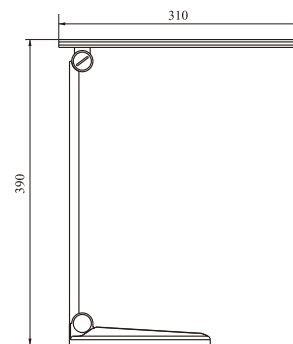
Product characteristics

1. Adopt aerial aluminum alloy and imported environmental friendly ABS plastic pedestal, double-sided polished diffuser plate.
2. The light adopts special LED light source which meets requirements of ships regulations, it is more energy saving and longer service life
3. Touch-type dimmer light and adjust color temperature, 4 grade dimming and 5 grade adjust color temperature
4. Soft light ray, no flashing, can protect eyes.

Standards

IEC60598-1, IEC60598-2-4, GD01-2006

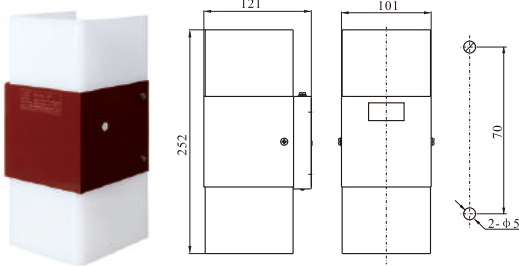
Rated voltage	AC220V 50/60Hz
Power	7W
Illuminant	LED
Dimmer/color temperature	4 grade dimming, 5 grade adjust color temperature
Protection class	IP22
Material	aluminium alloy + PC
Weight	2.9KG



CBD-

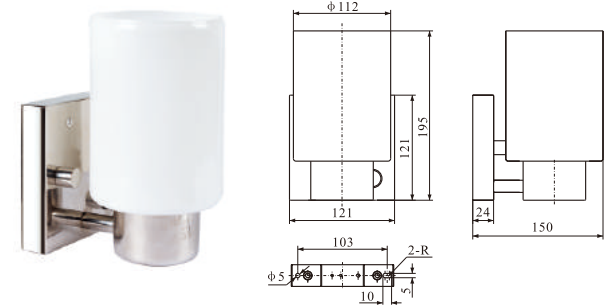
WALL LIGHT

CBD1



Voltage: 220V
Power: 25W~60W / 12W
Illuminant: Incandescent lamp(25W~60W/12W)
Energy-saving lamp(12W)
Lamp holder: E27
Material: steel
Weight: 0.9kg

CBD2-N



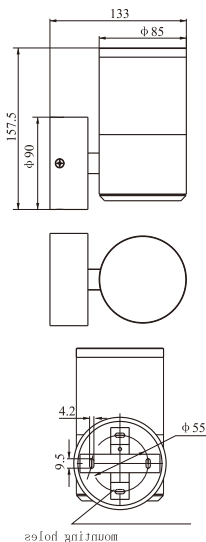
Voltage: 220V
Power: 60W / 12W
Illuminant: Incandescent lamp(60W)
Energy-saving lamp(12W)
Lamp holder: E27
Material: Stainless steel
Weight: 0.9kg

The scope of application: Used for auxiliary illumination at ship cabin.

Products characteristic: Novel appearance, nice shape, softness ray. Wall-type mounting.

LED CBD3-L

LED WALL LIGHT



Application scope Applied to auxiliary illumination in all kinds of navy ships, submarine cabin and canteen.

Product characteristics

1. The light body adopts high thermal conductive aerial aluminum alloy with good performance of heat dissipation.
2. The lampshade adopts high transparency frosted PC engineering plastics, with characteristics of non-discoloring, good toughness and soft light.
3. The light adopts special LED light source which meets requirements of ships regulations, it is more energy saving and longer service life
4. The LED starter has stable components, to ensure that the circuit has a long life time, and it has circuit protection for short circuit and overload, to ensure the LED light work for long term.
5. Wall-type mounting.

Standards

Conform to GB 7000.1-2007, GB 7000.201-2008, GD 01-2006, IEC60598-1: 2008
GB 24823-2009, GB/T 3027-2012, GB/T 22191-2008

Rated Voltage: AC110V~220V 50Hz/60Hz

Power: 6W

Illuminant: LED

Luminous flux:

Color temperature: 5000K~6000K

Ra: ≥85

Cable outside Diameter: Φ8~Φ10

Protection class: IP20

Material: aluminum

Weight: 1kg



LED FLUORESCENT INDICATOR LIGHT

HY-YJ204

The scope of application

Fit for exit and alleyway indication in ships for the passage and emergency exit.

Products characteristic

1. The time of automatic emergency illumination is not less than 180min.
2. HY-YJ204 The body adopt the good quality aluminium, the signboard is engraved by synthetic glass, has excellent transparent property.

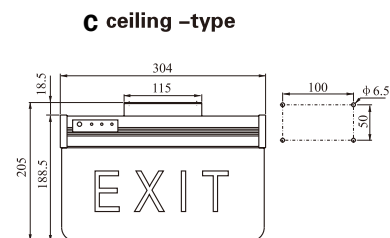
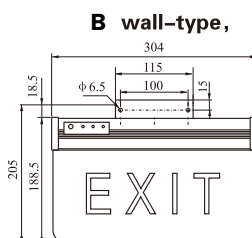
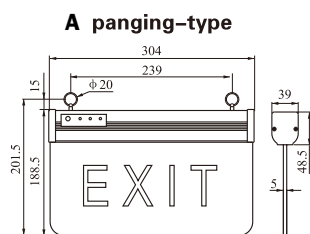
Voltage: ~220V/50Hz

Protection class: IP22

Power: 2W

Weight: 0.7kg

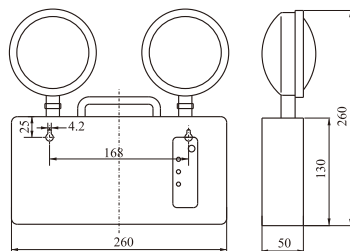
Illuminant: LED



FIRE FIGHTLING LASH-UPHEAD LIGHT

HY-YJ205

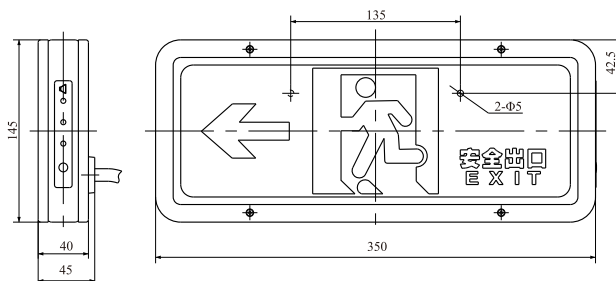
Rated voltage: AC220V
Frequency: 50-60Hz
Power: 2X10W
Weight: 0.8kg
Emergency time: ≥90min
Charging time: ~20h
Battery: 3.6V 600mAh (Nickel)



HY-YJ206

patent No: ZL201430294517.7

LED EXIT LIGHT



Application scope

Fit for exit and alleyway indication in ships for the passage and emergency exit.

Product characteristics

1. The shell adopts good quality steel.
2. The shell adopts leak proof structure with high waterproofness.
3. The time of automatic emergency illumination is not less than 180min.

5. The LED starter has stabled components, to assure that the circuit has a long life time, and it has the protection for the short circuit and over load, to assure that the LED light work for long term.

Standards

GB7000.1(IEC60598-1), GB 7000.2(IEC60598-2-22), GB 17945, GD 01, GB 4208(IEC60529), etc.

Name	Data
Main power	AC 220V~240V/50Hz/60Hz
Main power consumption	3W
Spare battery	nickel-cadmium 3.6V/800mAh
Working type	Continous type
Environment temperature	-30℃ ~ +55℃
Ulluminant	LED green light
Surface brightness	50cd/m2≤ brightness ≤300 cd/m2
Charging time	≤24h
Emergency time	≥180min
Emergency transfer time	≤2s
Protection class	IP44
Weight	1.5Kg
Installation way	wall type, ceiling type

When place order, user please writes the needed sign diagram code in the purchased types, if sign design additionally needed, can produce according to the request.





The scope of application

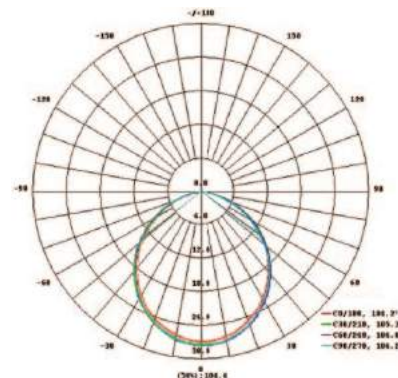
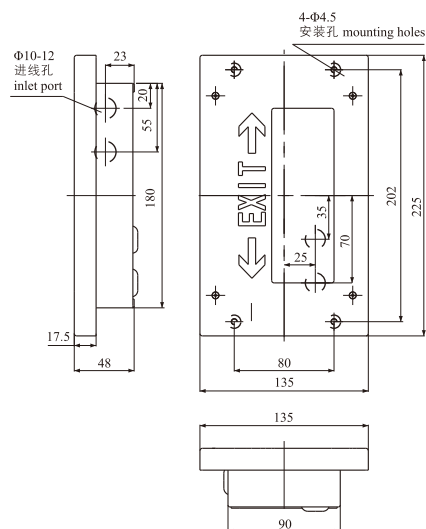
Applied to stairs, walkway and safety alleyway indication and illumination at cabin.

Products characteristics

1. The shell is made of good quality steel,
2. The lamp shade adopts quality high-transmittance-organic glass
3. The panel is polishing plating processing, and delicacy appearance.
4. The lamp body has compact structure and delicacy appearance.
5. The luminance is LED type, which has the life time more than 50000 hours.
6. The led starter has stabled components, to assure that the circuit has a long life time, and it has the protection for the short circuit and over load, to assure that the LED light work for long term.

Adopted standard

GB7000.1(IEC 60598-1), 7000.202(IEC 60598-2-2), GB/T 20132(ISO 15370),
GB19510.1(IEC61347-1), GB19510.14(IEC61347-2-13), GB24819(IEC 62031),
GB/T24824(CIE 127), GB/T24825(IEC62384), IEC/PAS 62722-2-1 etc.

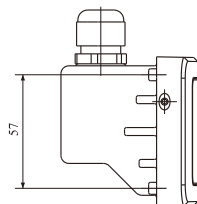
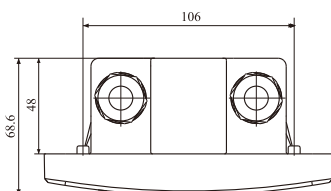
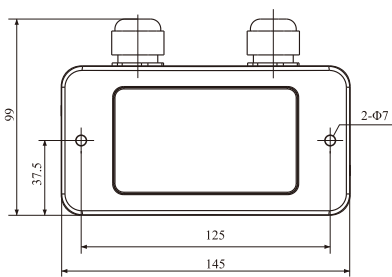
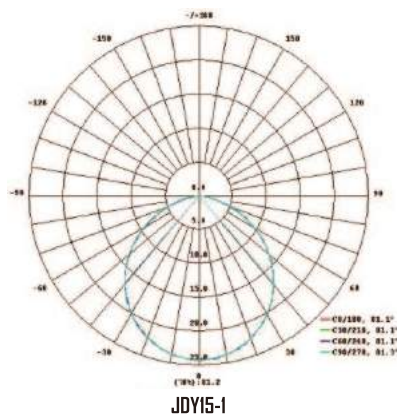


Rated voltage	AC100-240V 50/60Hz, DC24V
Power	3W
Illuminant	LED
luminous flux	320 lm
ra	Ra≥85
color temperture	2700-6500K
Protection class	IP22
Cable outside diameter	φ10-12
Weight	1.2Kg
installation	Flush type

JDY15-1

patent No: 20123055214.7

LED FOUNDATION LIGHT



The scope of application

Applied to the illumination of aisle and stair in cabin.

Products characteristic

1. Compact structure and delicacy appearance.
2. The lampshade is made of good quality organic, not discolor, fine toughness, softness ray.
3. It adopts good LED lamp, with high light efficiency, the working life can be over 50,000 hours.
4. The LED starter has stabled components, to assure that the circuit has a long life time, and it has the protection for the short circuit and over load, to assure that the LED light work for long term.

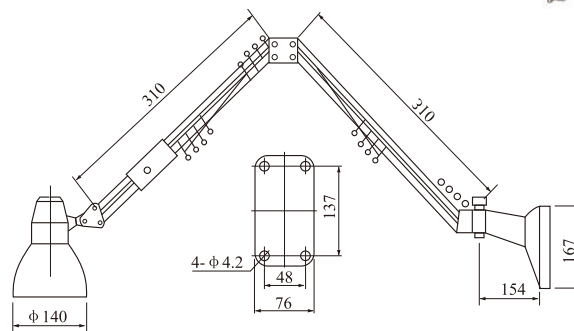
Standard adopted

IEC60092-306, GB7000.1, GB7000.12, GB17743, GB 19510.1, GB 19510.14.

Conform to GRADE ENTRY NORMS FOR STEEL SHIPS.

Rated voltage	AC100V~240V 50Hz/60Hz DC24V
Power	3W
Protection class	IP66
Cable outside Diameter	φ 10- φ 12
Illuminant	LED
Weight	0.4kg





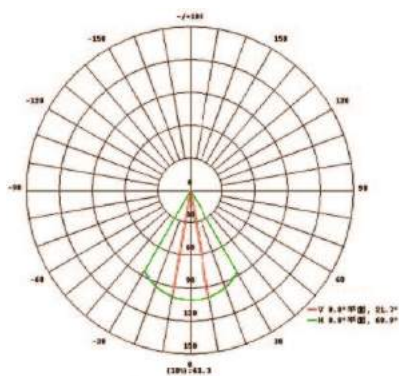
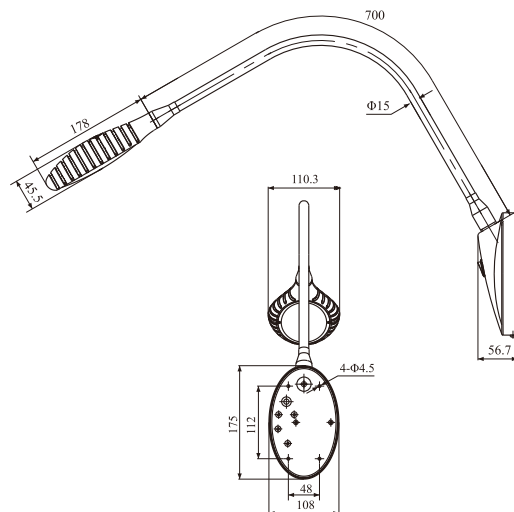
The scope of application

Used to light on the chart desk in steering room; The shell adopts good quality steel, wall-type mounting, the light can adjust up and down, left and right, fore and back, equipped with dimmer, can control steplessly; Conform to GRADE ENTRY NORMS FOR STEEL SHIPS and approved by the CCS(China Classification Society).

Voltage	220V
Power	≤100W
Illuminant	Incandescent lamp
Lamp holder	E27
Cable outside Diameter	φ 8
Protection class	IP20
Weight	2.83kg

CHT5-L

patent No: ZL201330223303.6

CHART LIGHT**The scope of application**

To be used on the chart desk in steering room.

Product characteristic

1. The head of light adopts aluminum alloy, light and high intensity.
2. The lampshade adopts good quality milk white PC material, soft ray of light.
3. The illumination adopt LED, the working life can get up to 50,000 hours..
4. Energy-saving, environment friendly.
5. The LED starter has stabled components, to assure that the circuit has a long life time, and it has the protection for the short circuit and over load, to assure that the LED light work for long term.
6. The light can adjust up and down, left and right.
7. Equipped with dimmer, can adjust high-low luminance.

Standard adopted

IEC60092-306, GB7000.1, GB7000.201, GB17743, GB 19510.1, GB 19510.14.

Rated voltage	AC100V~240V 50Hz/60Hz DC24V
Power	6W(Hight lighted) 1.5W(Low light)
Protection class	IP20
Cable outside Diameter	φ 8 ~ φ 10
Illuminant	LED
Weight	1.9kg



HJXQ-4

DOWN LIGHT

The scope of application

Suitable for luxury cruise ships and cabins, kitchen, dining room, bathrooms, corridors and other places of decorative lighting.

Product characteristics

1. The light body is made of die-casting aluminium and lampshade has several colors for option.
2. Beautiful appearance and adjustable light head.
3. Adopt good quality LED illuminant with high light efficiency and working life over 50,000 hours.
4. Adopt LED driver with stable components, to ensure that the circuit has a long life and it has short circuit and overload protection to ensure the LED light work for long term.

Standard adopted

GB 7000.1-2007, GB 7000.2-2008, GB 24825-2009, GB 19510.14-2009, GB/T 24825, GB/T 29293-2012, GB/T 29294-2012, EN 12464-1: 2011.



Rated voltage: AC100V~240V
50Hz/60Hz DC24V

Power: 8W

Color temperature: 4500-5000K

Ra: $Ra \geq 85$

Protection class: IP44

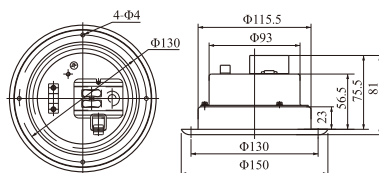
Weight: 0.6kg

Installation: Recessed type

patent No: ZL201330223406.2

HJXQ-5

LED DOWN LIGHT



The scope of application Applied to decorated illumination in cabin of ships, recessed mounting.

Product characteristic

1. Beautiful sculpt, soft ray.
2. It adopts good LED lamp, with high light efficiency, the working life can be over 50,000 hours.
3. The LED starter has stabled components, to assure that the circuit has a long life time, and it has the protection for the short circuit and over load, to assure that the LED light work for long term.

Standard adopted

IEC60092-306, GB7000.1, GB7000.12, GB17743, GB 19510.1, GB 19510.14.

Conform to GRADE ENTRY NORMS FOR STEEL SHIPS.

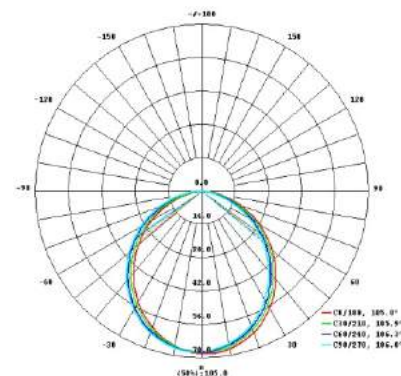
Rated voltage: AC100V~240V 50Hz/60Hz DC24V/5W

Power: 5W

Protection class: IP21

Illuminant: LED

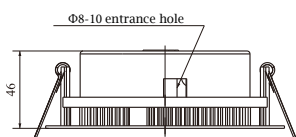
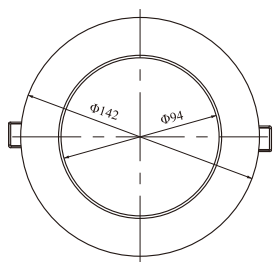
Weight: 0.6kg



HJXQ-6 HJXQ-7

LED DOWN LIGHT

HJXQ-6



The scope of application

Applied to the illumination of the cabin, kitchen, bathroom, or passage of passenger vessels or naval ship, flush type.

Product characteristic

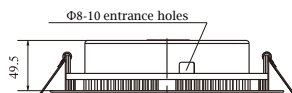
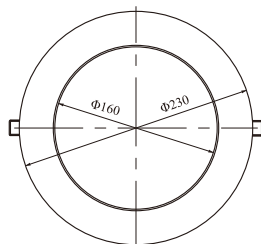
1. The body is made of casting Aluminium, and the surface is processed with stoving varnish.
2. Installation: Flush type
3. The body sealed type, which has a good water-proof function.
4. The illuminant is high quality and high efficient LED lamp, which has over 50000-hour life time.
5. The LED drive has a long life time, constant current circuit, and protection for short circuit and overload, which makes sure the drive works stably.

Standard adopted

GB 7000.1-2007, GB 7000.202-2008, GB 24825-2009, GB 19510.14-2009, GB/T 24825, GB/T 29293-2012, GB/T 29294-2012, EN 12464-1: 2011

Type	HJXQ-6	HJXQ-7
Rated Voltage	AC100-240V 50Hz/60Hz DC24V	
Power	8W	15W
Illuminant	LED	LED
Luminous flux	500lm	1500lm
Color Temperature	5000k	5000k
CRI	≥85	≥85
Cable outside Diameter	Φ8-Φ10	Φ8-Φ10
Protection class	IP44	IP44
Material	AL/PC	AL/PC
Weight	450g	1.3kg

HJXQ-7



ROTATING WARNING LIGHT

JJD1-1



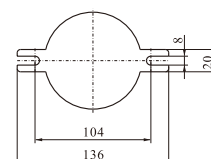
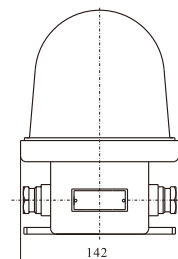
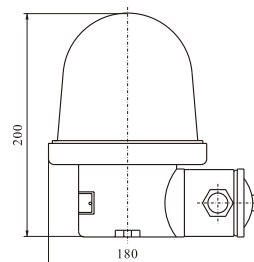
The scope of application

Fit for illumination of marine lamp signal and warning.

Products characteristic

1. Good quality stainless steel shell, PC lampshade.
2. Flash-type and warning-type structure.

Voltage	AC220V/DC24V
Cable ouside Diameter	$\phi 8 \sim \phi 10$
Potection class Diameter	IP55
Material	Stainless steel
Color	red, green, yellow
Weight	2.73kg

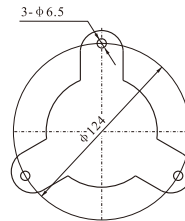
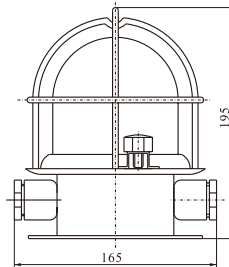


CCD-

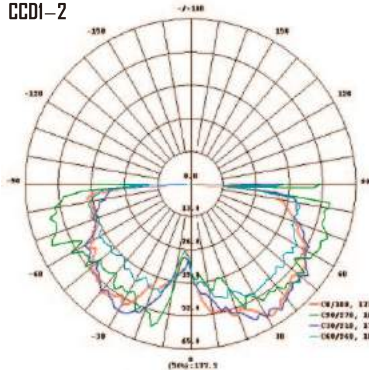
INCANDESCENT PENDANT LIGHT

The scope of application: Applied to the illumination for wet places in deck, sidewalk in ships or cabin.

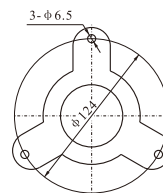
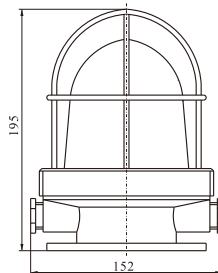
Products characteristic: The structure of light is simple, has good waterproof function, can be used in kinds of places and bad environment.



CCDI-2



Voltage	220V	
Power	Max 60W	Max 8W
Illuminant	Incandescent lamp	Energy-saving lamp
lamp holder	E27	
Weight	1.8kg	
Material	Steel	
Protection class	IP55	
Cable outside diameter	φ 14— φ 16	
Color	Transparent, Frosted, Opal, Red, Green, Blue, Yellow	



CCDI-2A

Voltage	220V	
Power	Max 60W	Max 8W
Illuminant	Incandescent lamp	Energy-saving lamp
lamp holder	E27	
Weight	1.2kg	
Material	plastic	
Protection class	IP55	
Cable outside diameter	φ 10— φ 12	
Color	Transparent, Frosted, Opal, Red, Green, Blue, Yellow	

LED PENDANT LIGHT **CCD2-1-2L**



The scope of application

Applied to the illumination for the wet places on deck, sidewalk in ships or cabins

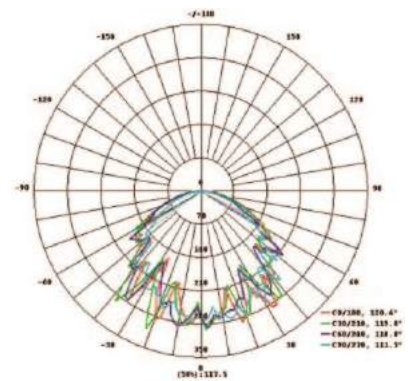
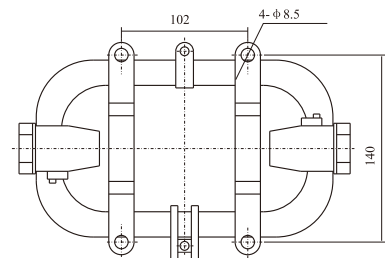
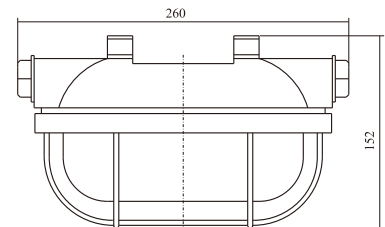
Product characteristics

1. The light has simple structure, and good water-proof function, it is applied to each places and bad surroundings.
2. Adopted good quality LED illuminant, which has high light efficiency, and RA, and it works for over 50000 hours
3. The led driver has stabled components, to assure that the circuit has a long life time, and it has the protection for the short circuit and over load, to assure that the LED light work for long term.

Adopted standard

GB7000.1(IEC 60598-1), GB 7000.201(IEC 60598-2-1), GB/T3852.1, GB19510.1(IEC61347-1), GB19510.14(IEC61347-2-13).

Rated voltage	AC100-240V 50/60Hz/DC24V
Power	8W
Illuminant	LED
Luminous flux	840lm
Ra	Ra \geq 85
Color tempreture	5500-6500K
Protection class	IP66
Cable outside diameter	Φ 14- Φ 16
Weight	2.4Kg
Installation	Fixed

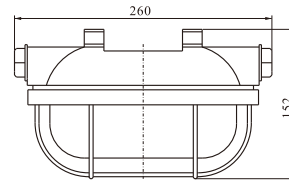
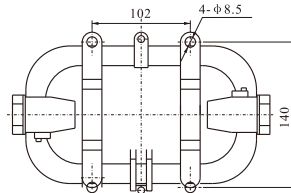


CCD-

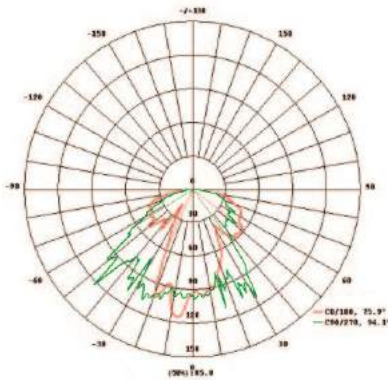
INCANDESCENT PENDANT LIGHT

The scope of application: Applied to the illumination for wet places in deck, sidewalk in ships or cabin.

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



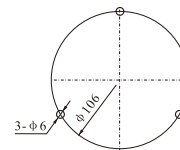
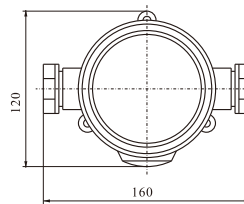
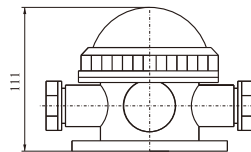
CCD2-1-2



Voltage	220V	
Power	Max 60W	Max 8W
Illuminant	Incandescent lamp	Energy-saving lamp
lamp holder	E27	
Weight	2.3kg	
Material	Aluminium	
Protection class	IP55	
Cable outside diameter	φ 14- φ 16	
Color	Transparent, Frosted, Opal	



CCD3-2



CCD3-3

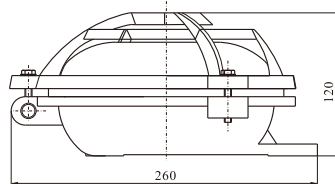
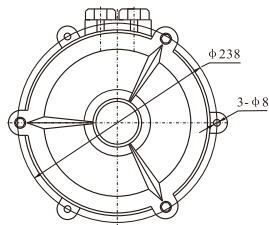
Voltage	24V	
Power	25W	
Illuminant	Incandescent lamp	
lamp holder	B15d	
Weight	0.52kg	
Material	plastic	
Protection class	IP55	
Cable outside diameter	φ 14- φ 16	
Color	Transparent, Frosted, Opal, Red, Green, Blue, Yellow	

INCANDESCENT PENDANT LIGHT

CCD-

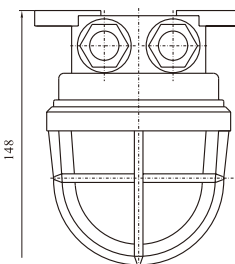
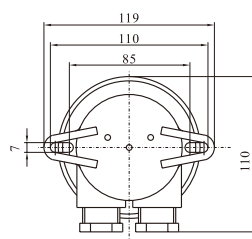
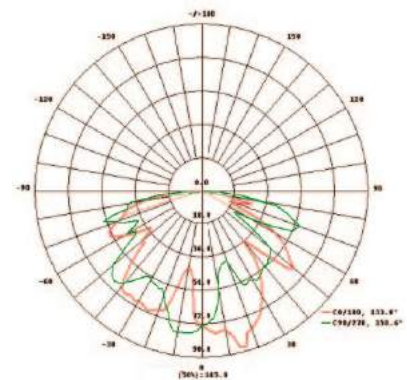
The scope of application: Applied to the illumination for wet places in deck, sidewalk in ships or cabin.

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



CCD4-1

Voltage	220V	
Power	Max 60W	Max 8W
Illuminant	Incandescent lamp	Energy-saving lamp
lamp holder	E27	
Weight	2.7kg	
Material	Aluminium	
Protection class	IP55	
Cable outside diameter	φ 14- φ 16	
Color	Transparent, Frosted, Opal	



CCD5-2

Voltage	24V	
Power	25W	
Illuminant	Incandescent lamp	
lamp holder	B15d	
Weight	0.45kg	
Material	plastic	
Protection class	IP56	
Cable outside diameter	φ 14- φ 16	
Color	Transparent, Frosted, Opal, Red, Green	

CCD-

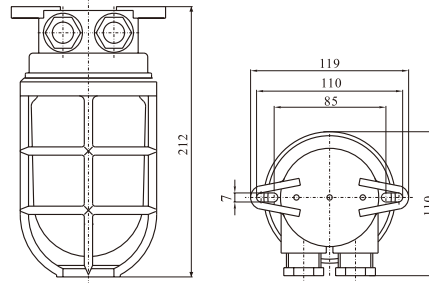
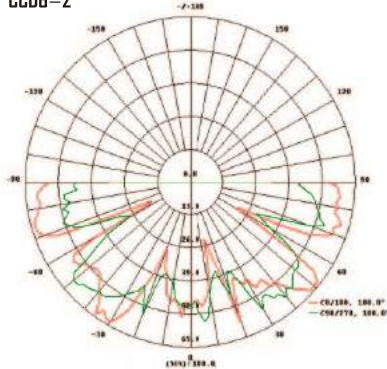
INCANDESCENT PENDANT LIGHT

The scope of application: Applied to the illumination for wet places in deck, sidewalk in ships or cabin.

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



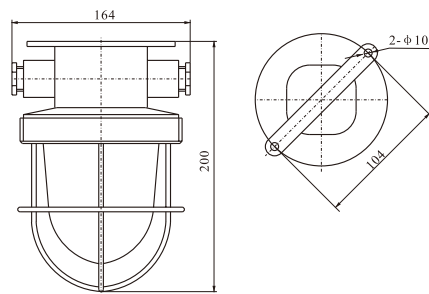
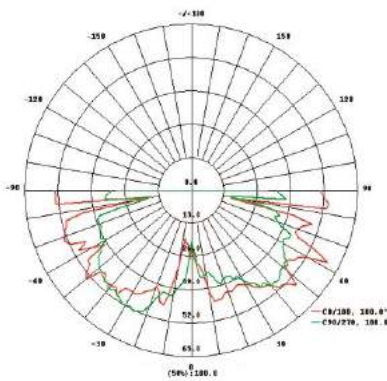
CCD6-2



Voltage	220V	
Power	Max 60W	Max 8W
Illuminant	Incandescent lamp	Energy-saving lamp
lamp holder	E27	
Weight	0.75kg	
Material	plastic	
Protection class	IP56	
Cable outside diameter	φ 14— φ 16	
Color	Transparent, Frosted, Opal, Red, Green	



CCD9-2-2N



Voltage	220V	
Power	Max 60W	Max 8W
Illuminant	Incandescent lamp	Energy-saving lamp
lamp holder	E27	
Weight	1.2kg	
Material	Aluminium	
Protection class	IP55	
Cable outside diameter	φ 14— φ 16	
Color	Transparent, Frosted, Opal, Red, Green, Blue, Yellow	

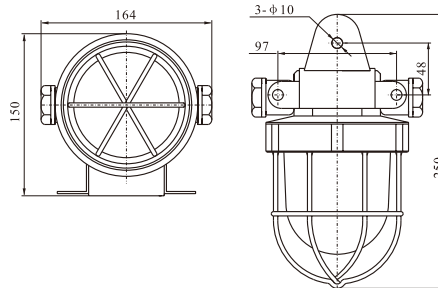


INCANDESCENT PENDANT LIGHT

CCD-

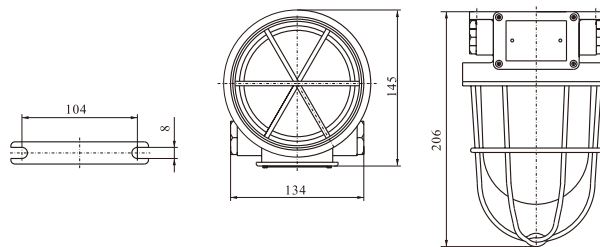
The scope of application: Applied to the illumination for wet places in deck, sidewalk in ships or cabin.

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



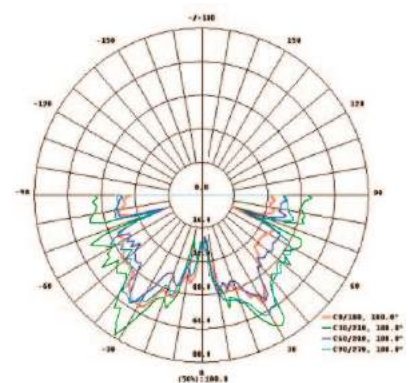
CCD9-3-2N

Voltage	220V	
Power	Max 60W	Max 8W
Illuminant	Incandescent lamp	Energy-saving lamp
lamp holder	E27	
Weight	1.2kg	
Material	Aluminium	
Protection class	IP55	
Cable outside diameter	φ 14- φ 16	
Color	Transparent, Frosted, Opal, Red, Green, Yellow	



CCD9-5、CCD9-5A

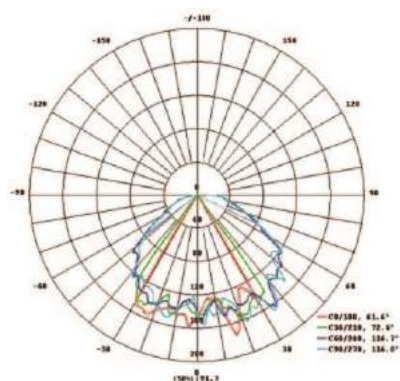
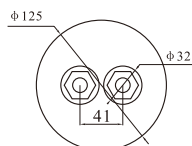
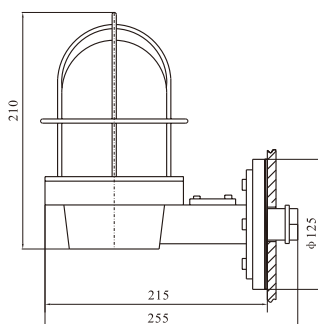
Type	CCD9-5	CCD9-5A	CCD9-5
Voltage	220V	24V	220V
Power	60W	25W	8W
lamp holder	E27	B15d	E27
Illuminant	Incandescent lamp		Energy-saving lamp
Weight	2.0kg		
Material	brass		
Protection class	IP56		
Cable outside diameter	φ 14- φ 16		
Color	Transparent, Frosted, Opal, Red, Green, Blue, Yellow		





CCD9-6L

LED PENDANT LIGHT



The scope of application

Applied to the illumination for the wet places on the deck, sidewalk on the ships or cabins

Charaterastics of products

1. The shell is made of good quality brass.
2. The light has simple structure, and good water-proof function, it is applied to each places and bad surroundings.
3. Adopted good quality LED illuminant, which has high light efficiency, and RA, and it works for over 50000 hours
4. The LED starter has stabled components, to assure that the circuit has a long life time, and it has the protection for the short circuit and over load, to assure that the LED light work for long term.

Adopted standards

GB7000.1(IEC 60598-1), GB 7000.201(IEC 60598-2-1), GB/T3852.1, GB19510.1(IEC61347-1), GB19510.14(IEC61347-2-13)

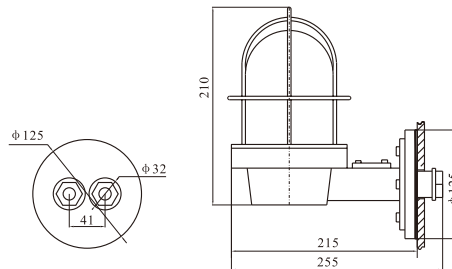
Rated voltage	AC100-240V 50/60Hz	DC24V
Power	5W	
Illuminant	LED	
Luminous flux	310lm	
Ra	Ra≥85	
Color tempreture	5500-6500K	
Protection class	IP66	
Cable outside diameter	Φ14-Φ16	
Weight	2Kg	
Installation	Fixed	

INCANDESCENT PENDANT LIGHT

CCD-

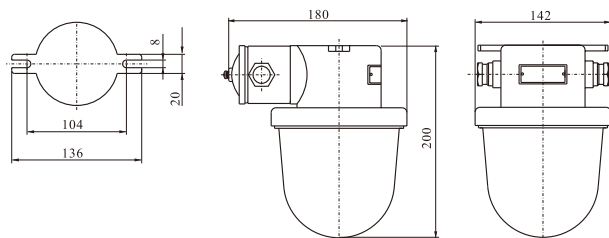
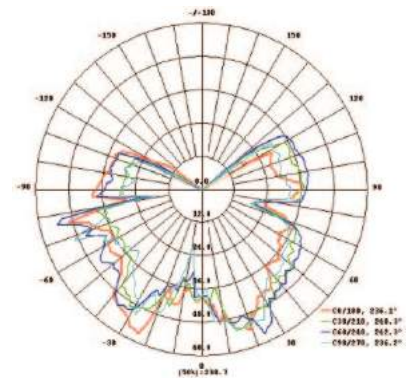
The scope of application: Applied to the illumination for wet places in deck, sidewalk in ships or cabin.

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



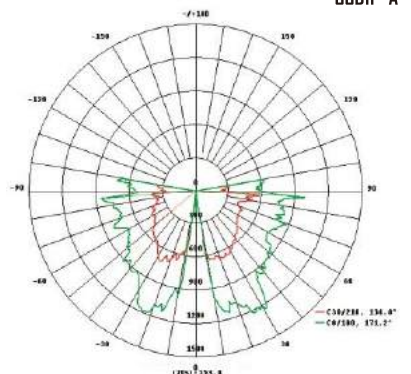
CCD9-6、CCD9-6A

Type	CCD9-6	CCD9-6A	CCD9-6
Voltage	220V	24V	220V
Power	60W	25W	8W
lamp holder	E27	B15d	E27
Illuminant	Incandescent lamp		Energy-saving lamp
Weight	3.7kg		
Material	brass		
Protection class	IP56		
Cable outside diameter	$\phi 14 - \phi 16$		
Color	Transparent, Frosted, Opal, Red, Green, Blue, Yellow		



CCD11-A

Voltage	220V	
Power	Max 60W	Max 8W
Illuminant	Incandescent lamp	Energy-saving lamp
lamp holder	E27	
Weight	2.6kg	
Material	Stainless steel	
Protection class	IP55	
Cable outside diameter	$\phi 8 - \phi 10$	
Color	Transparent, Red, Green	

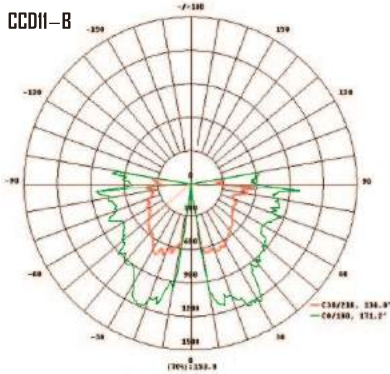
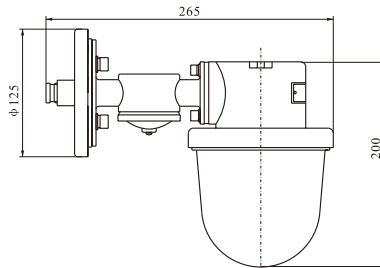


CCD-

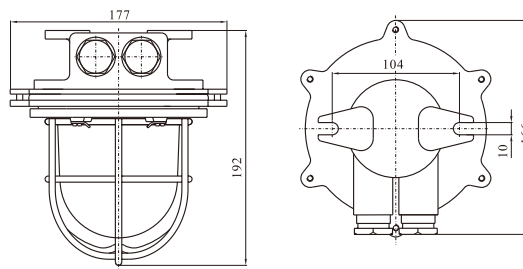
INCANDESCENT PENDANT LIGHT

The scope of application: Applied to the illumination for wet places in deck, sidewalk in ships or cabin.

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



Voltage	220V	
Power	Max 60W	Max 8W
Illuminant	Incandescent lamp	Energy-saving lamp
lamp holder	E27	
Weight	4.7kg	
Material	Stainless steel	
Protection class	IP55	
Cable outside diameter	φ 14— φ 16	
Color	Transparent, Red, Green	



CCD13
patent No.: ZL200920199530.8

Voltage	220V	
Power	Max 60W	Max 8W
Illuminant	Incandescent lamp	Energy-saving lamp
lamp holder	E27	
Weight	3.33kg	
Material	brass	
Protection class	IP68	
Cable outside diameter	φ 14— φ 16	
Color	Transparent	



The scope of application

Applied to the illumination for wet places on deck and sidewalk in ships or cabins.

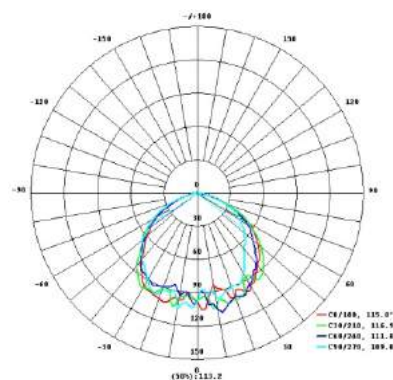
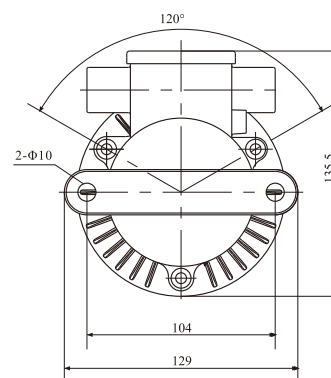
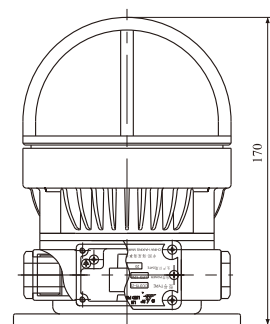
Product characteristic

1. The structure of light is simple and compact and it also has delicacy appearance.
2. The shell adopts good quality silicon brass, lampshade is made of highly toughened PC it has, a good anticorrosion performance.
3. Has good waterproof performance, can be used in outdoor places.
4. The illumination adopt LED, the working life can get up to 50,000 hours.
5. The LED starter has stabled components, to assure that the circuit has a long life time, and it has the protection for the short circuit and over load, to assure that the LED light work for long term.

Standard adopted

IEC60092-306, GB7000.1, GB7000.12, GB17743, GB 19510.1, GB 19510.14.

Rated voltage	AC100V~240V 50Hz/60Hz DC24V
Power	9W
Protection class	IP66
Cable outside diameter	$\phi 8 \sim \phi 10$
Illuminant	LED
Weight	2.1kg



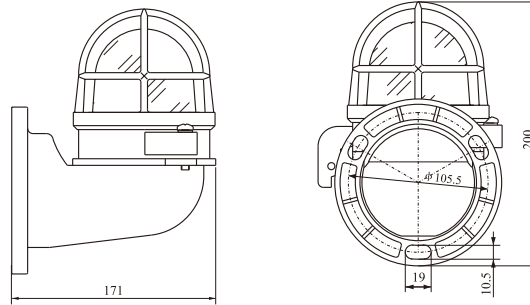
WB-

WALL LIGHT

The scope of application: This series lights fit for the ships with water dripping, water spattering, water coagulating and weather place, such as oven cabin, dry cabin, tunnel, pipeline and weatherdeck etc, wall-type installation.

Production authentication: 1. Approved by the CCS(China Classification Society). 2. Approved by the authentication of CE

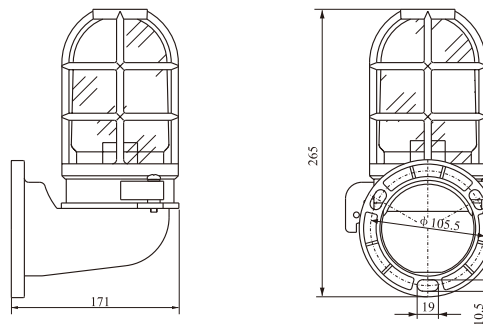
Adopt standard: 1. Adopt the Japanese standard JISF8414 – 2003. 2. Conform to GRADE ENTRY NORMS FOR STEEL SHIPS.



WB-1

patent No.: ZL2003 3012 1979.0

Voltage	24V	
Power	Max 15W	
Illuminant	Incandescent lamp	
Code	792067	
lamp holder	FE12、FE14、FB15	
Material	Synthetic resin	
Color	Tansparent, Red, Green, Blue	
Protection class	IP56	
Weight	0.83kg	



WB-2

patent No.: ZL2006 3010 1980.3

Voltage	220V	
Power	Max 60W	Max 8W
Illuminant	Incandescent lamp	Energy-saving lamp
Code	792068	
lamp holder	FE26、FB22	
Material	Gnbh YHWFYglb	
Color	TransparentZFVZ; fYbZ6'1 Y	
Protection class	IP56	
Weight	1.26kg	

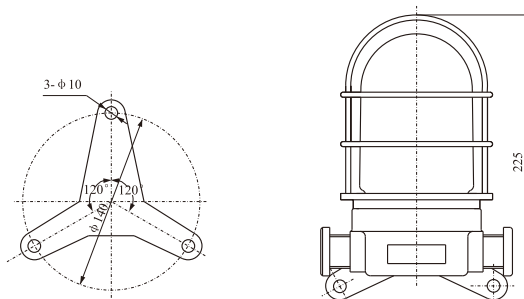
WALL LIGHT

WB-

The scope of application: This series lights fit for the ships with water dripping, water spattering, water coagulating and weather place, such as oven cabin, dry cabin, tunnel, pipeline and weatherdeck etc, wall-type installation.

Production authentication: 1. Approved by the CCS(China Classification Society). 2. Approved by the authentication of CE

Adopt standard: 1. Adopt the Japanese standard JISF8414 – 2003. 2. Conform to GRADE ENTRY NORMS FOR STEEL SHIPS.

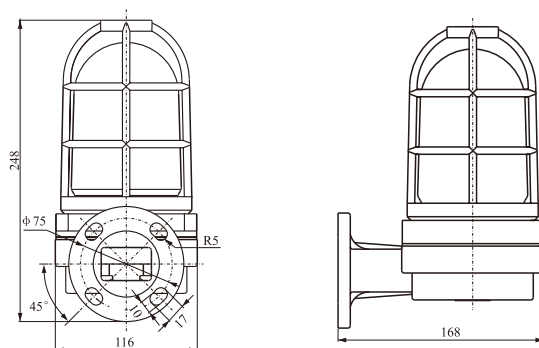


Voltage	220V	
Power	Max 60W	Max 8W
Illuminant	Incandescent lamp	Energy-saving lamp
lamp holder	FE26	
Material	Aluminium	
Color	TransparentZFYXZ; fYbZ61 Y	
Protection class	IP56	
Weight	1.45kg	



WB-2A

patent No. : ZL2006 3010 3651.x



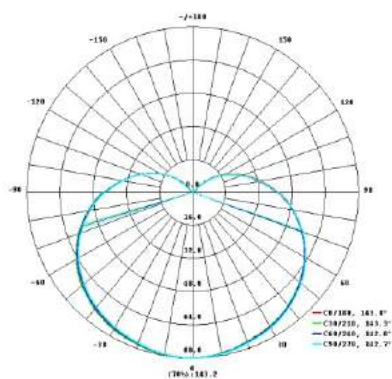
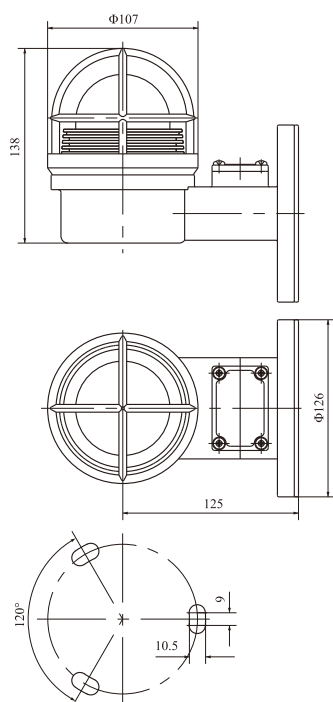
Voltage	220V	
Power	Max 60W	Max 8W
Illuminant	Incandescent lamp	Energy-saving lamp
lamp holder	FE26	
Material	Synthetic resin	
Color	TransparentZFYXZ; fYbZ61 Y	
Protection class	IP56	
Weight	1.26kg	



WB-2B

WB-3L

patent No. : 201330223594.9

LED WALL LIGHT**The scope of application**

Applied to the illumination in wet places in deck and sidewalk in ships. Applied to the places with water dripping, water spattering, water coagulating and also open-air places, such as oven cabin room, dry cabin, pipeline and open-air deck, etc.

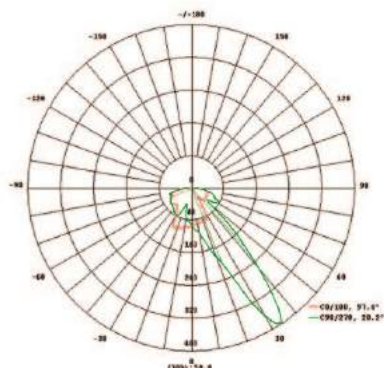
Products characteristic

1. The structure of light is simple, compact and it has delicacy appearance.
2. Good waterproof performance, can be used in outdoor places.
3. The illumination adopt LED, the working life can get up to 50000 hours.
4. The LED starter has stabled components, to assure that the circuit has a long life time, and it has the protection for the short circuit and over load, to assure that the LED light work for long term.
5. Installation: wall type.

Standard adopted

GB 7000.1(IEC 60598-1), GB 7000.10(IEC 60598-2-1), GB 17743(CISPR15),
GB 19510.1(IEC 61347-1), GB 19510.14(IEC 61347-2-13) etc.

Rated voltage	AC100-240V 50/60HZ, DC24V	AC100-240V 50/60HZ
Power	3W	6W
Illuminant	LED	
Color rendering index	Ra \geq 80	
color tempreture	5500-6500K	
Protection class	IP66	
Weight	0.76Kg	
Installation		



The scope of application

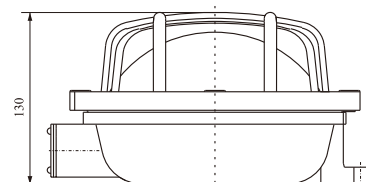
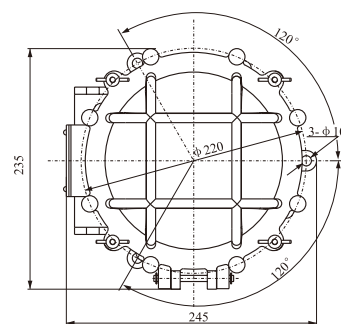
This series lights fit for the ships with water dripping, water spattering, water coagulating and weather place, such as oven cabin room, dry cabin, tunnel, pipeline and weatherdeck, the lampshade is bolt blocking device, and convenient to connect, ceiling-type installation.

Production authentication

1. Approved by the CCS(China Classification Society).
2. Approved by the authentication of CE

Adopt standard

1. Adopt the Japanese standard JISF8414 – 2003.
2. Conform to GRADE ENTRY NORMS FOR STEEL SHIPS.

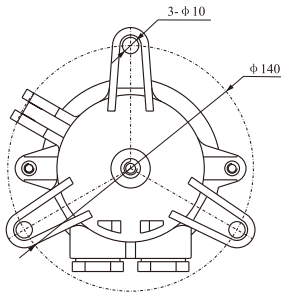
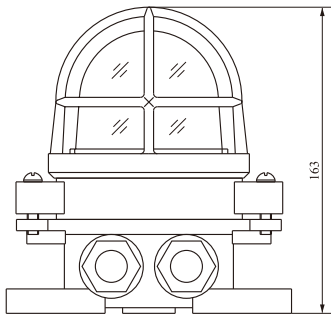


Voltage	220V	
Power	Max 60W	Max 8W
Illuminant	Incandescent lamp	Energy-saving lamp
Code	792066	
lamp holder	FE26	
Material	Synthetic resin	
Cable outside diameter	$\phi 12 - \phi 16$	
color	Transparent	
Protection class	IP56	
Weight	2.7kg	

DS7-1M

patent No.: ZL2003 3012 1973.3

WORK LIGHT



The scope of application

This series lights fit for the ships with water dripping, water spattering, water coagulating and weather place, such as oven cabin room, dry cabin, tunnel, pipeline and weatherdeck, the lampshade is bolt blocking device, and convenient to connect, ceiling-type installation.

Production authentication

1. Approved by the CCS(China Classification Society).
2. Approved by the authentication of CE

Adopt standard

1. Adopt the Japanese standard JISF8414 – 2003.
2. Conform to GRADE ENTRY NORMS FOR STEEL SHIPS.

Voltage	24V
Power	Max 15W
Illuminant	Incandescent lamp
Code	792053, 792054
lamp holder	FE12、FE14、FB15
Material	Synthetic resin
Cable outside diameter	φ 12– φ 16
color	Transparent, Red, Green, Blue
Protection class	IP56
Weight	1.1kg

The scope of application

This series lights fit for the ships with water dripping, water spattering, water coagulating and weather place, such as oven cabin room, dry cabin, tunnel, pipeline and weatherdeck, the lampshade is bolt blocking device, and convenient to connect, ceiling-type installation.

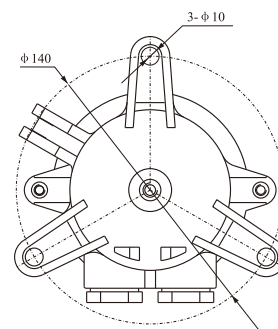
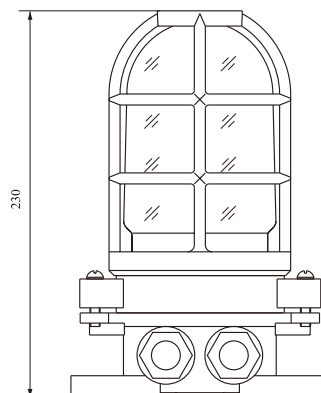
Production authentication

1. Approved by the CCS(China Classification Society).
2. Approved by the authentication of CE

Adopt standard

1. Adopt the Japanese standard JISF8414 – 2003.
2. Conform to GRADE ENTRY NORMS FOR STEEL SHIPS.

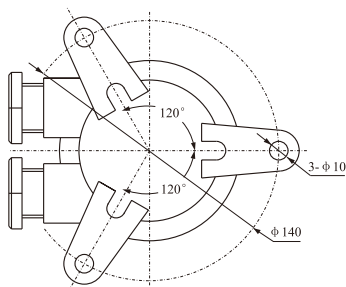
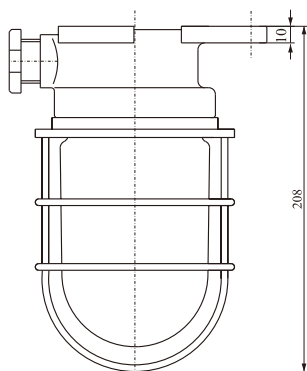
Voltage	220V	
Power	Max 60W	Max 8W
Illuminant	Incandescent lamp	Energy-saving lamp
Code	792057, 792058	
lamp holder	FE26、FB22	
Material	Synthetic resin	
Cable outside diameter	$\phi 12 - \phi 16$	
color	Transparent, Red, Green, Blue	
Protection class	IP56	
Weight	1.2kg	



DS7-2M-A

patent No.: ZL2006 3013 3650.5

WORK LIGHT



The scope of application

This series lights fit for the ships with water dripping, water spattering, water coagulating and weather place, such as oven cabin room, dry cabin, tunnel, pipeline and weatherdeck, the lampshade is bolt blocking device, and convenient to connect, ceiling-type installation.

Production authentication

1. Approved by the CCS(China Classification Society).
2. Approved by the authentication of CE

Adopt standard

1. Adopt the Japanese standard JISF8414 – 2003.
2. Conform to GRADE ENTRY NORMS FOR STEEL SHIPS.

Voltage	220V	
Power	Max 60W	Max 8W
Illuminant	Incandescent lamp	Energy-saving lamp
Code	792055	
lamp holder	FE26	
Material	Aluminium	
Cable outside diameter	$\phi 12 - \phi 16$	
color	Transparent, Red, Green, Blue	
Protection class	IP56	
Weight	2.0kg	



The scope of application

This series lights fit for the ships with water dripping, water spattering, water coagulating and weather place, such as oven cabin room, dry cabin, tunnel, pipeline and weatherdeck, the lampshade is bolt blocking device, and convenient to connect, ceiling-type installation.

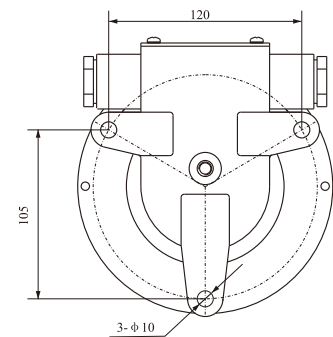
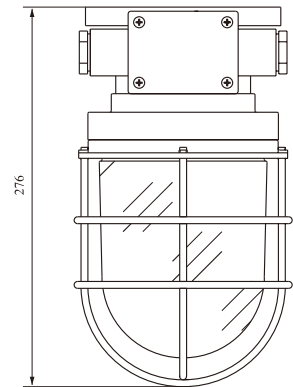
Production authentication

1. Approved by the CCS(China Classification Society).
2. Approved by the authentication of CE

Adopt standard

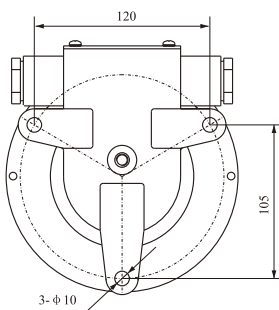
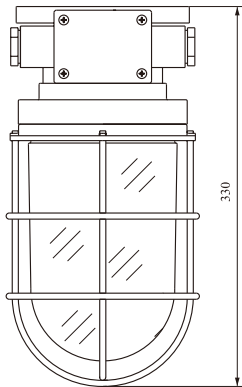
1. Adopt the Japanese standard JISF8414 – 2003.
2. Conform to GRADE ENTRY NORMS FOR STEEL SHIPS.

Voltage	220V	
Power	Max 100W	Max 12W
Illuminant	Incandescent lamp	Energy-saving lamp
Code	792060, 792059	
lamp holder	FE26	
Material	Synthetic resin	
Cable outside diameter	$\phi 12 - \phi 16$	
color	Transparent, Red, Green, Blue	
Protection class	IP56	
Weight	2.5kg	



DS7-4M

WORK LIGHT



The scope of application

This series lights fit for the ships with water dripping, water spattering, water coagulating and weather place, such as oven cabin room, dry cabin, tunnel, pipeline and weatherdeck, the lampshade is bolt blocking device, and convenient to connect, ceiling-type installation.

Production authentication

1. Approved by the CCS(China Classification Society).
2. Approved by the authentication of CE

Adopt standard

1. Adopt the Japanese standard JISF8414 – 2003.
2. Conform to GRADE ENTRY NORMS FOR STEEL SHIPS.

Voltage	220V	
Power	Max 200W	Max 18W
Illuminant	Incandescent lamp	Energy-saving lamp
Code	792062	
lamp holder	E27	
Material	Aluminium	
Cable outside diameter	φ 12 – φ 16	
color	Transparent, Red, Green, Blue	
Protection class	IP56	
Weight	3.0kg	





Application scope

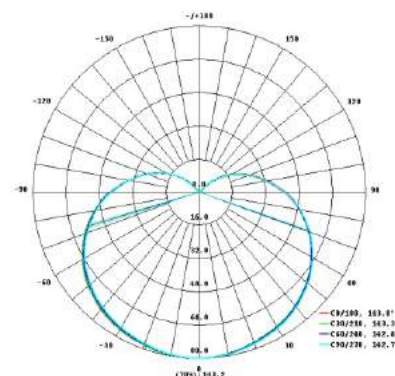
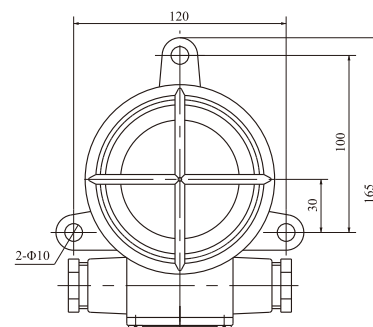
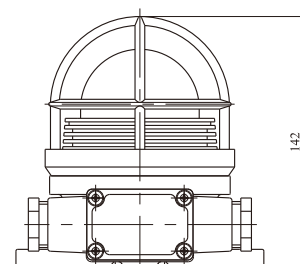
Applied to the illumination in wet places such as deck, sidewalk and cabin in ships. Applied to the ships with water dripping, water spattering, water coagulating and weather place, such as oven cabin room, dry cabin, pipeline and deck, etc.

Products characteristics

1. The structure of the light is simple, compact and the appearance is delicate.
2. Good waterproofness, can be used in outdoor places.
3. Good quality LED lamp, long life of 50000 hours.
4. The LED starter has stabled components, to assure that the circuit has a long life time, and it has the protection for the short circuit and over load, to assure that the LED light work for long term.
5. Installation way: ceiling type.

Standards

GB 7000.1(IEC 60598-1), GB 7000.10(IEC 60598-2-1), GB 17743(CISPR15), GB 19510.1(IEC 61347-1), GB 19510.14(IEC 61347-2-13) etc.



Rated voltage	AC100-240V 50/60HZ, DC24V	AC100-240V 50/60HZ
Power	3W	6W
Illuminant	LED	
color rendering index	Ra≥80	
Color temperture	5500-6500K	
Protection class	IP66	
Cable outside diameter	Φ12 ~ Φ16	
Weight	0.65Kg	
Installation	ceiling type	

CSD-

PORTABLE LIGHT

The scope of application

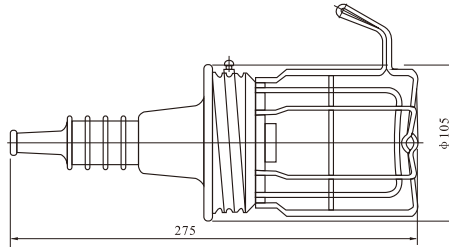
Applied to illumination in temporary work places used for checking and preparing ship or loading or unloading goods.

Products characteristic

The handle materials are rubber, with metal guard.



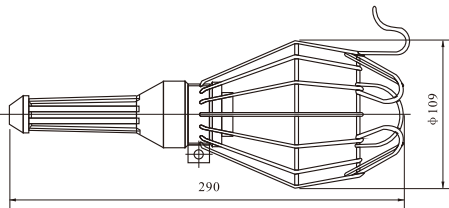
CSD2



Voltage	220V/24V	
Power	25W / 40W	Max 8W
Illuminant	Incandescent lamp	Energy-saving lamp
lamp holder	E27/B22d	
Cable outside diameter	ϕ 8- ϕ 10	
color	Transparent, Half-frosted	
Protection class	IP34	
Weight	0.73 kg	



CSD3



Voltage	220V/24V	
Power	Max 40W	Max 8W
Illuminant	Incandescent lamp	Energy-saving lamp
lamp holder	E27/B22d	
Cable outside diameter	ϕ 8- ϕ 10	
Weight	0.38 kg	

PORTABLE LIGHT

CSD-

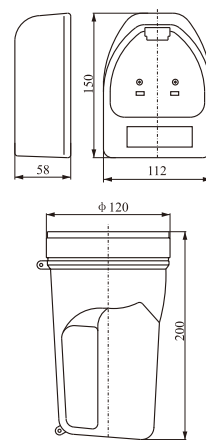
The scope of application: Applied to illumination in temporary work places used for checking and preparing ship or loading or unloading goods.

Products characteristic: The product has delicacy appearance, light weight and convenient to remove. Lamp body adopts seal structure, and has good waterproof function.

Adopt standard: Conform to GRADE ENTRY NORMS FOR STEEL SHIPS.

Production authentication: Approved by the CCS(China Classification Society).

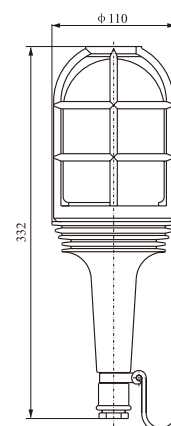
Power	15W
Voltage	6V
lamp holder	G4
Material	Plastic
Protection class	IP56
Weight	1.63 kg
Remark	With charger



CSD6



Voltage	250V/24V	
Power	Max 60W	Max 8W
Illuminant	Incandescent lamp	Energy-saving lamp
lamp holder	E26	
Material	Engineering plastic	
Cable outside diameter	φ 8- φ 10	
Protection class	IP56	
Weight	0.91kg	

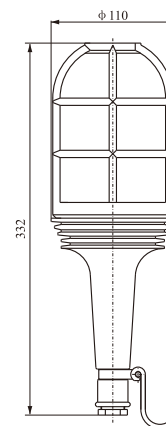


CSD7



patent No.: ZL2006 3010 3649.2

Voltage	250V/24V	
Power	Max 100W	Max 8W
Illuminant	Incandescent lamp	Energy-saving lamp
lamp holder	E26	
Material	Engineering plastic	
Cable outside diameter	φ 8- φ 10	
Protection class	IP20	
Weight	0.75kg	
Remark	Without globe	



CSD8



CGD1

HIGH-POWER PENDANT LIGHT



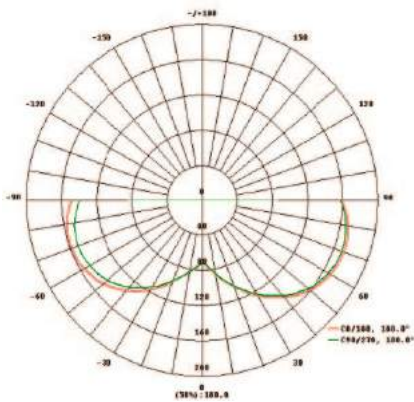
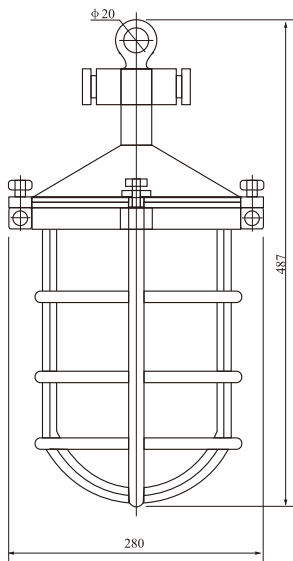
The scope of application

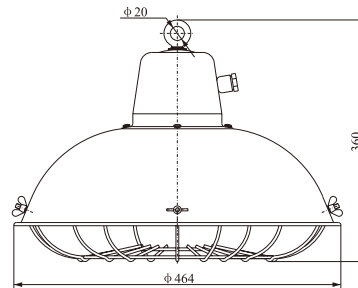
Used for public illumination in the deck, dock and oven cabin room in ships.

Products characteristic

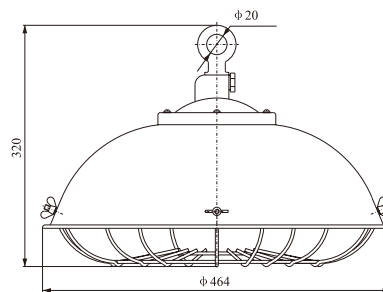
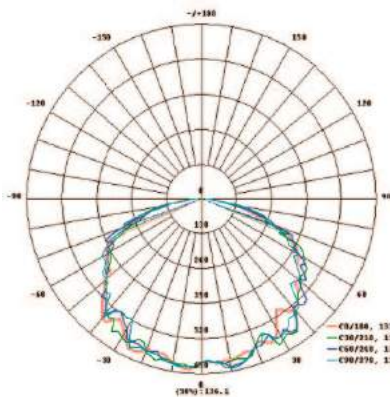
It is Water bloeout prevention structure, cast aluminum shell, milk white glass lampshade and metal protective net. Milky PC injection molding shade, and metal protection net.

Voltage	110V, 220V	
Power	200W	Max 12W
Illuminant	Incandescent lamp	Energy-saving lamp
lamp holder	E27	
Cable outside diameter	$\phi 14 - \phi 16$	
Protection class	IP56	
Weight	4.25kg	





CGD2



CGD3-2

The scope of application

This series lights fit for movable illumination in cargo warehouse of ship; The shell adopts good quality steel, with metal guard strong lights, fit for the large area illumination.

Production authentication

Approved by the CCS(China Classification Society).

Adopt standard

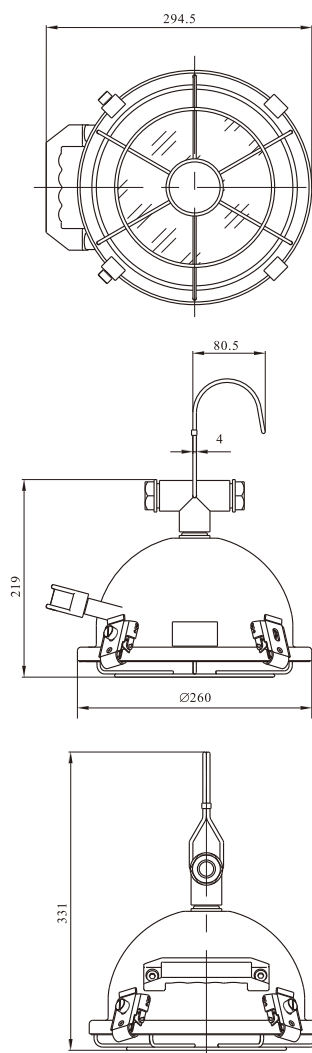
Conform to GRADE ENTRY NORMS FOR STEEL SHIPS.

Name	Single-bulb cargo light	Five-bulb cargo light
Type	CGD2	CGD3-2
Power	300W, 500W	5x60W
Voltage	110V/220V	110V/220V
Lamp holder	E40	E27
Cable outside diameter	φ 8 - φ 10	φ 8 - φ 10
Illuminant	Incandescent lamp	Incandescent lamp
Protection class	IP20	IP20
Weight	3.64kg	3.9kg



CGD4

CARGO LIGHT



The scope of application

This series of lights fit for illumination temporary work place used for checking and repairing ship or loading or unloading goods.

Products characteristics

This series of lights fits for movable illumination in cargo warehouse of ship, with delicacy appearance, compact structure and light weight; lamp body adopts sealing structure, with strong waterproof ability.

Adopt standard

Adopt the GB7000.1, GB7000.11 standard.

Power	200W/300W
Voltage	220V/50Hz, 220V/60Hz, 110V/60Hz
Lamp holder	R7s
Cable outside diameter	$\phi 10 \sim \phi 14$
Illuminant	Tungsten halogen lamp
Protection class	IP56
Weight	3.2Kg