

# LED Luring Fish Light Solution

FRIEND series  
450W/900W

- Cyan
- Green
- 6000K
- More...



# LED Luring Fish Light

Farther, Deeper, Stronger, More Saving, More Reliably

LURING FISH LIGHT SOLUTION

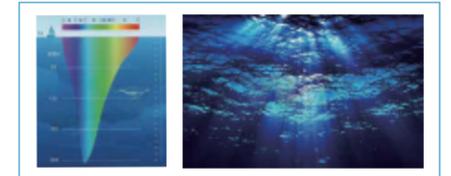
FRIEND=F+R+I+E+N+D

FRIEND series  
450W/900W

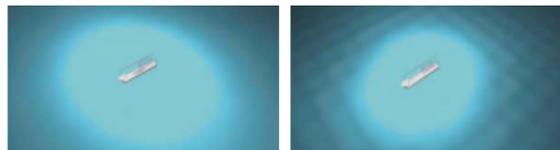


## ■ The "D" means "Deeper through the sea water"

The "D" means "Deeper through the sea water", we use specific spectra, which can deep to 20 meters under the water. This means it can luring more fishes up to sea surface.



## ■ The "F" means "farther"



The "F" means "farther", it light 30% range more on the sea surface than metal halide lamps. This means it can luring more fishes near to boat.

F

## ■ The "R" means "Resist marine climate"

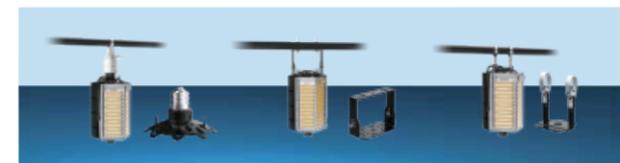


The "R" means "Resist marine climate", it has IP66 Ingress protection, C4 Corrosion protection, and IK10 Impact protection, suitable for marine climate absolutely. So you don't have to worry about it breaking down.

R

## ■ The "I" means "Install easily"

The "I" means "Install easily", it has three install options, E40 lamp holder, adjustable bracket, and steel hoop. There is always an option suits your boat.



E40 lamp holder

Adjustable bracket

Steel hoop

## ■ The "N" means "Natural cooling"

The "N" means "Natural cooling", most of the LED fish lights use fans as heat dissipation solution. The fan is a quick-wear part, we don't use it. We use superconducting material for heat dissipation. So we can provide longer warranty.

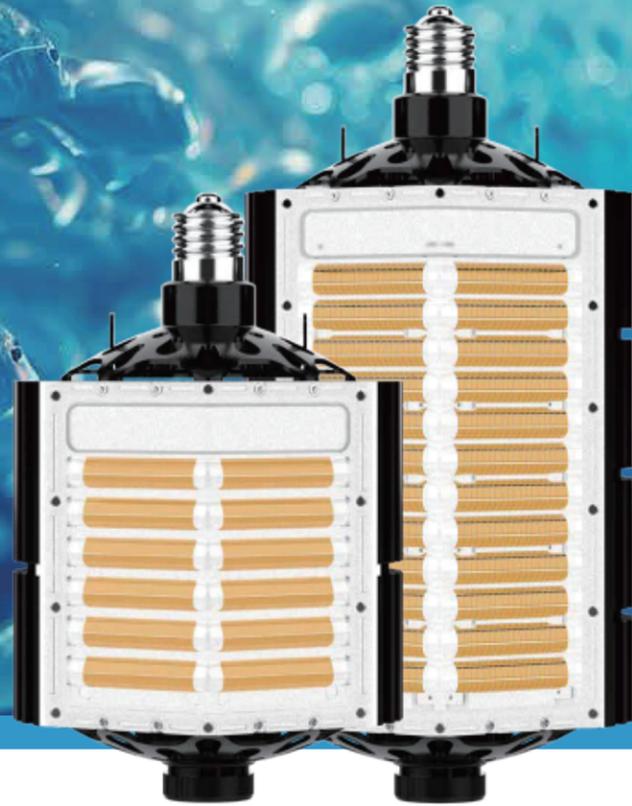


## ■ The "E" means "Energy saving"



The "E" means "Energy saving", it can save 60% fuel on the basis of better luring effect than MH lamp. This means your payback period is only 2 to 3 months.

# LED Luring Fish Light



## FRIEND series 450W/900W

## Payback Calculation



Fuel cost saving per year (450W)



Fuel cost saving per year (900W)

**1 lamp saving**

450W  
JUZ-450 \$82  
1000W  
MH1KW \$200

**\$118**

**1 lamp saving**

900W  
JUZ-900 \$164  
2000W  
MH2KW \$400

**\$236**

Saving 60% fuel cost, 60-75 days payback period.

Basic data	MH1KW		JUZ-450		Fuel cost saving		MH2KW		JUZ-900		Fuel cost saving	
Power(kw)	1.1	0.45						2.2	0.9			
Light per day (h)	8	8						8	8			
Work per year (day)	150	150						150	150			
Fuel price (\$/L)	0.50	0.50						0.50	0.50			
Power generation (KWH/L)	3.3	3.3						3.3	3.3			
Power per day (KWH)	8.8	3.6						17.6	7.2			
Fuel cost per day (L)	2.7	1.1						5.3	2.2			
Fuel cost per day (\$)	1.33	0.55						2.67	1.09			
Fuel cost per year (\$)	200	82						400	164			

### Why LED luring fish light can save fuel?

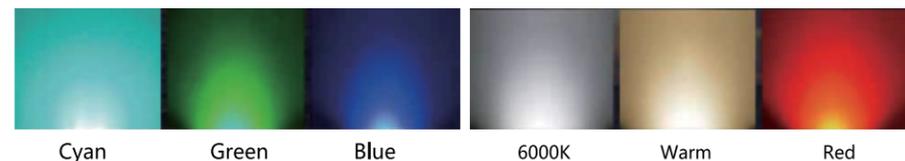
1. Metal halide lamp is bulb which emit 340 degree light, the actual light shining on the sea surface is only 40%; The optical system of Friend is designed by Guangdong Ocean University which based on the principles of fishing boats and the phototaxis characteristics of fish.
2. With the same number lamps, JUZ-900 can illuminated 20% area more than that of the 2000w MH lamp, JUZ-450 is also the same(compare with 1000w MH lamp).

### Specification

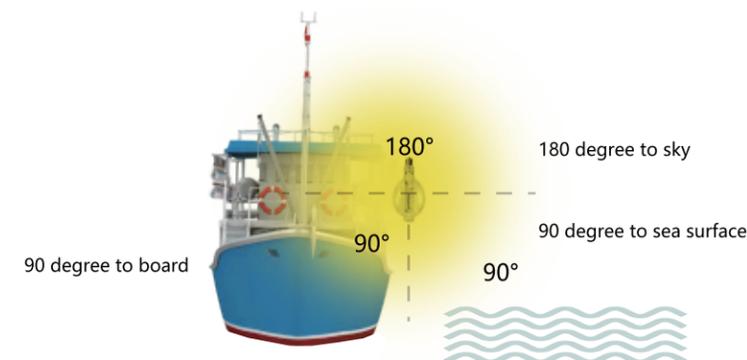
Type	Power	Input voltage	Light color	Luminous efficiency	CRI
JUZ-450CH	450W	200-277VAC	6000K	160LM/W	RA≥70
JUZ-450QH	450W	200-277VAC	Cyan	120LM/W	/
JUZ-450GH	450W	200-277VAC	Green	110LM/W	/
JUZ-450BH	450W	200-277VAC	Blue	22LM/W	/
JUZ-300RH	300W	200-277VAC	Red	22LM/W	/
JUZ-900CH	900W	200-277VAC	6000K	160LM/W	RA≥70
JUZ-900QH	900W	200-277VAC	Cyan	120LM/W	/
JUZ-900GH	900W	200-277VAC	Green	110LM/W	/
JUZ-900BH	900W	200-277VAC	Blue	22LM/W	/
JUZ-500RH	500W	200-277VAC	Red	22LM/W	/

Note:  
1 pcs JUZ-900 replace 2 pcs 1000w MH lamp, or 1 pcs 2000w MH lamp.  
1 pcs JUZ-450 replace 1 pcs 1000w MH lamp.  
Installation options: E40/Adjustable bracket/Hoop

### Light emission direction of MH lamp

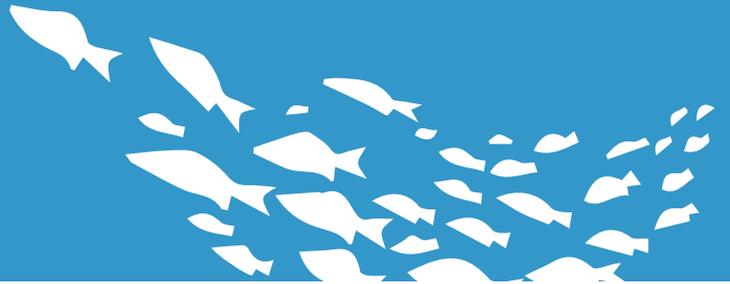


### Light emission direction of MH lamp



### Light emission direction of Friend





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