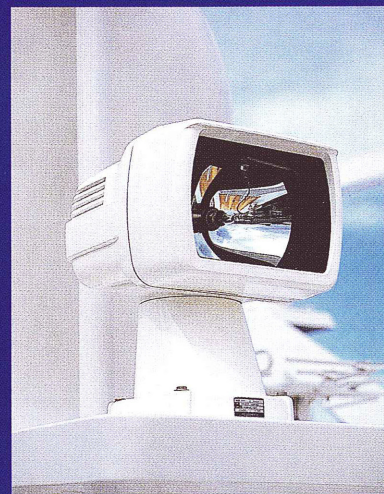




**HR-Series
Searchlights**

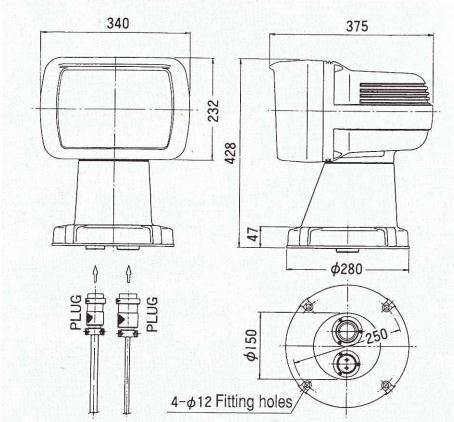
**Search-ROBO
Series
Searchlights**



MARINE SEARCHLIGHTS

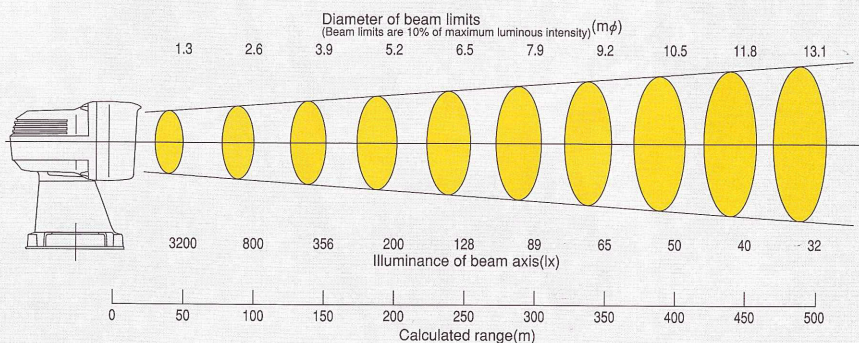
XENON LAMP TYPE HRX-300 REMOTE CONTROLLED SEARCHLIGHT

MODEL	HRX-300
Reflector dia.	φ218-150cut(mm)
Lamps	Xenon lamp 300W
Max.luminous intensity	8,000,000cd
Beam spread	Approx.1.5°
Focus adjustment	Electric remote control
Elevation & Turning	Electric remote control
Elevation angle	Up20° Down22°
Turning angle	360°(endless)
Elevation speed	Up approx.3.6°/sec. Down approx.1.8°/sec.
Turning speed	High approx.24°/sec. Low approx.15°/sec.
Material	Aluminum alloy die casting
Protection degree	IP56
Weight	24kg
Color	Munsell N-9.5(White)

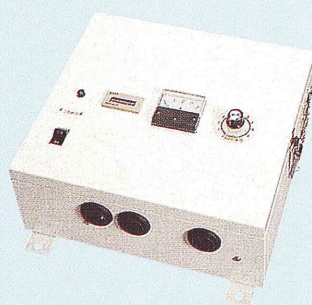


Range of 300W Xenon searchlight

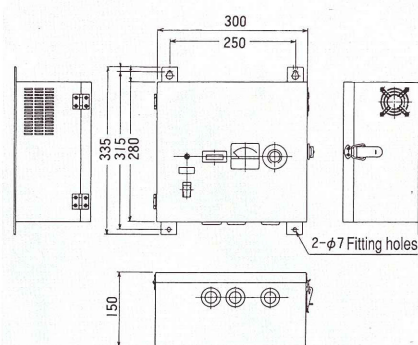
- Lamp.....300W Xenon lamp
- Beam spread.....1.5°
- Max.luminous intensity...8,000,000cd
- Atmospheric transmission factor...100%



Ballast



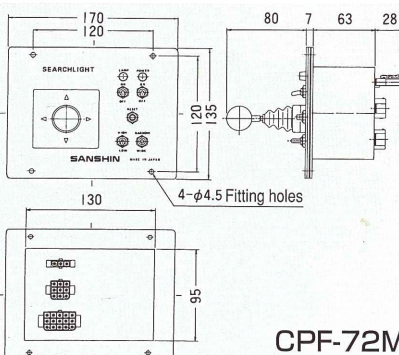
Specifications			
Model	KSX-150EDC	KSX-150ETI	
Rated voltage	DC24V	AC110V1φ	AC220V1φ
Frequency	—	50/60Hz	
Input power	400VA	700VA	840VA
Input current	17A	7A	3.8A
Output voltage	DC24V		
Output current	DC15A		
Adjustable range	12~16A		
Cooling system	Force air cooling		
Protection degree	IP11		
Weight	8.2kg		



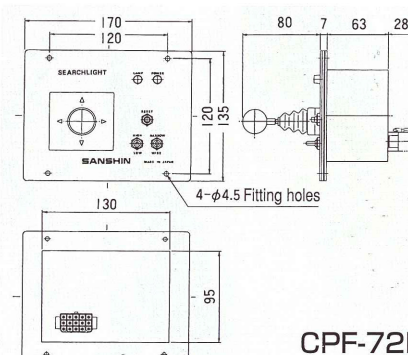
Remote control panel



Available 2-stations control by a sub remote control panel(Optional)



CPF-72M
(Main)



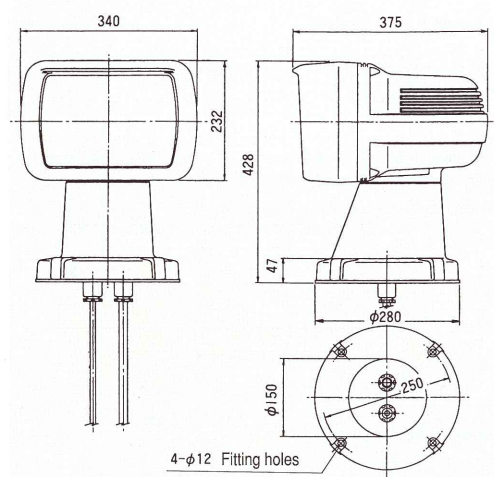
CPF-72L
(Sub)

XENON LAMP TYPE

HRX-150

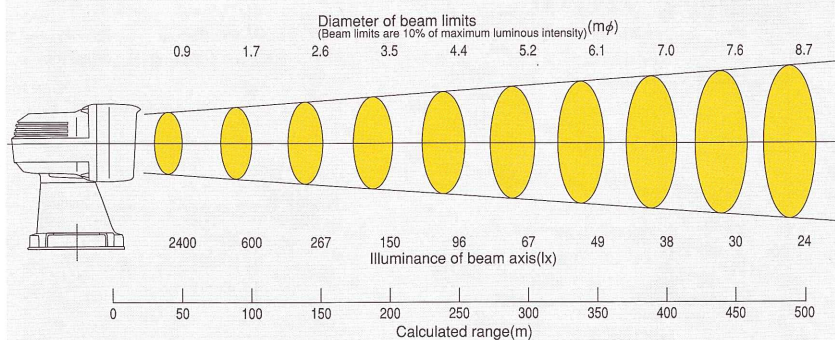
REMOTE CONTROLLED SEARCHLIGHT

MODEL	HRX-150
Reflector dia.	φ218-150cut(mm)
Rated voltage	DC24V
Rated current	8.5A
Lamps	Xenon lamp 150W
Max.luminous intensity	6,000,000cd
Beam spread	Approx.1°
Focus adjustment	Electric remote control
Elevation & Turning	Electric remote control
Elevation angle	Up18° Down30°
Turning angle	360°(endless)
Elevation speed	7.5°/sec.
Turning speed	High 27°/sec. Down 11°/sec.
Material	Aluminum alloy die casting
Protection degree	IP56
Weight	24kg
Color	Munsell N-9.5(White)



Range of 150W Xenon searchlight

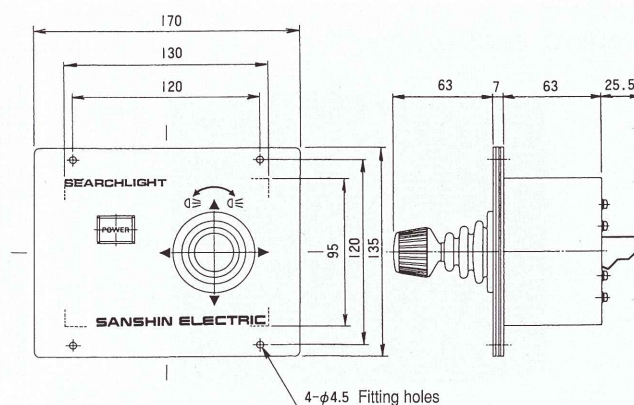
- Lamp..... 150W Xenon lamp
- Beam spread..... 1°
- Max.luminous intensity...6,000,000cd
- Atmospheric transmission factor...100%



Remote control panel



Available 2-stations control by a sub remote control panel(Optional)



CPF99(Common use for main and sub control)

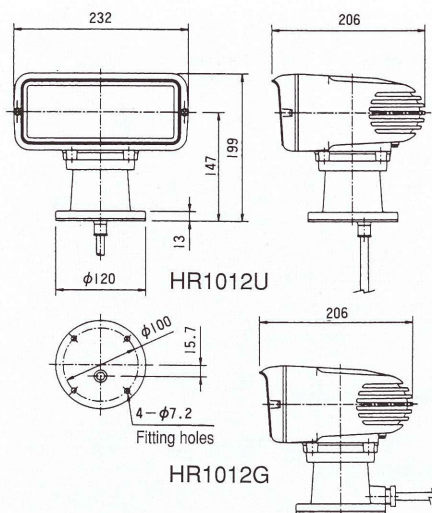
MARINE SEARCHLIGHTS

HALOGEN LAMP TYPE

HR-1012

REMOTE CONTROLLED SEARCHLIGHT

MODEL	HR-1012	
Reflector dia.	φ 100-70cut(mm)	
Rated voltage	DC12V	DC24V
Rated current	10A	5A
Lamps	Halogen lamp 55W×2 JCD12V-55WDX JCD24V-55WDX	
Max.luminous intensity	200,000cd	160,000cd
Beam spread	Horizontal	Approx.7°
	Vertical	Approx.5°
Focus adjustment	Fixed	
Elevation & Turning	Electric remote control	
Elevation angle	Up9° Down17°	
Turning angle	360° (endless)	
Elevation speed	2.8° /sec.	
Turning speed	High 31° /sec.	
	Down 20° /sec.	
Material	Aluminum alloy die casting	
Protection degree	IP56	
Weight	3.25kg	
Color	Munsell N-9.5(White)	
Control panel	CPF53(Main)/CPF54(Sub)	

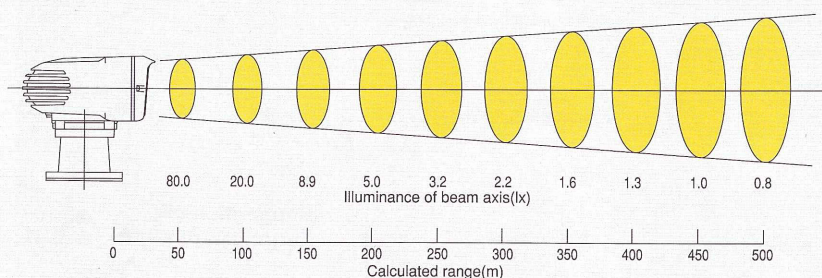


Range of 55W×2 Halogen searchlight

- Lamp.....12V55W Halogen lampx2
- Max.luminous intensity.....200,000cd
- Beam spread.....5°(vertical)x7°(horizontal)
- Atmospheric transmission factor...100%

Beam limits are 10% of maximum luminous intensity(m)

4.4X6.1 8.7X12.3 13.1X18.4 17.5X24.6 21.9X30.7 26.2X36.8 30.6X43.0 35.0X49.1 39.4X55.3 43.7X61.4

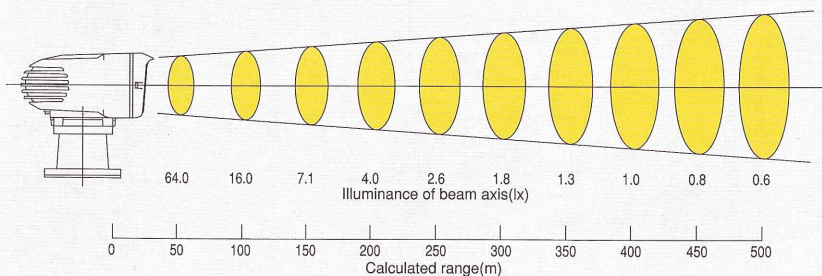


Range of 55W×2 Halogen searchlight

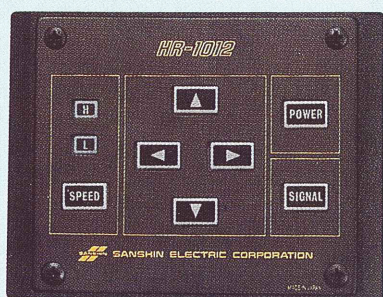
- Lamp.....24V55W Halogen lampx2
- Max.luminous intensity.....160,000cd
- Beam spread.....5°(vertical)x7°(horizontal)
- Atmospheric transmission factor...100%

Beam limits are 10% of maximum luminous intensity(m)

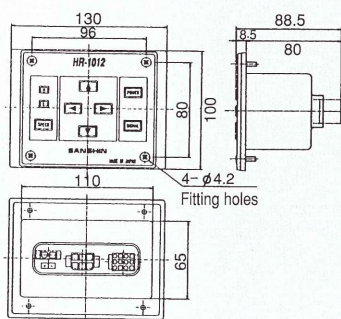
4.4X6.1 8.7X12.3 13.1X18.4 17.5X24.6 21.9X30.7 26.2X36.8 30.6X43.0 35.0X49.1 39.4X55.3 43.7X61.4



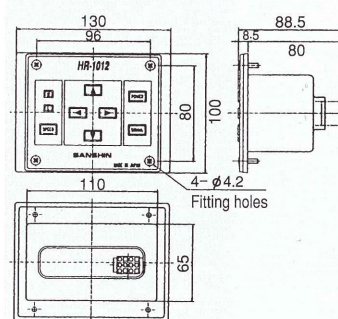
Remote control panel



Available 2-stations control by a sub remote control panel(Optional)



CPF-53(Main)



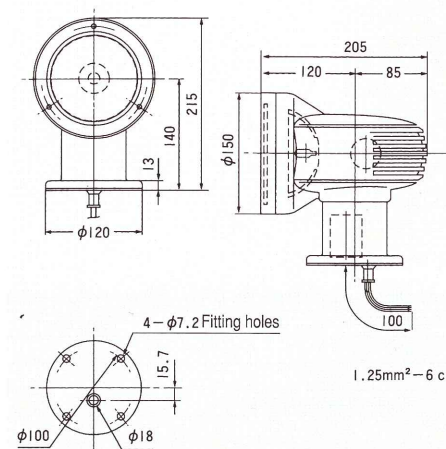
CPF-54(Sub)

HALOGEN LAMP TYPE

HR-55

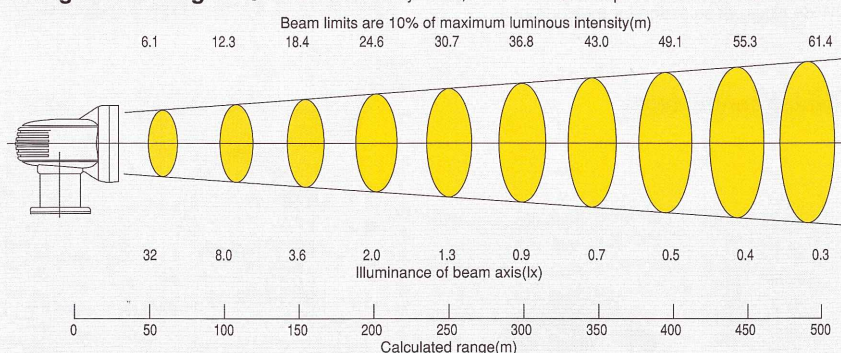
REMOTE CONTROLLED SEARCHLIGHT

MODEL	HR-55	
Reflector dia.	φ 110mm	
Rated voltage	DC12V	DC24V
Rated current	5A	3A
Lamps	H2 12V 55W	H2 24V 70W
Max.luminous intensity	100,000cd	80,000cd
Beam spread	Approx.7°	
Focus adjustment	Fixed	
Elevation & Turning	Electric remote control	
Elevation angle	Up20° Down20°	
Turning angle	360° (endless)	
Elevation speed	5.7° /sec.	
Turning speed	27° /sec.	
Material	Aluminum alloy die casting	
Protection degree	IP56	
Weight	2.9kg	
Color	Munsell N-9.5(White)	
Control panel	CPF79(Main)/CPF84(Sub)	



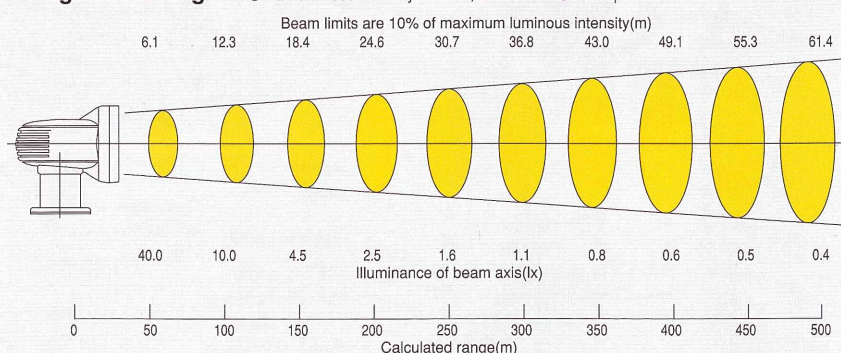
Range of 70W Halogen searchlight

- Lamp.....24V70W Halogen lamp
- Max.luminous intensity.....80,000cd
- Beam spread.....7°
- Atmospheric transmission factor...100%



Range of 55W Halogen searchlight

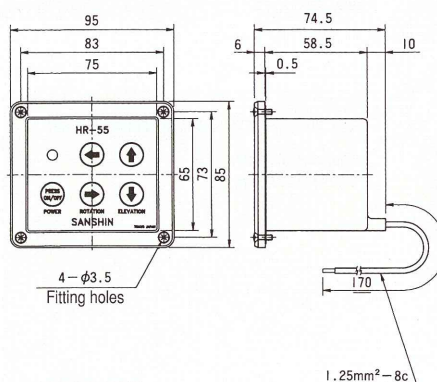
- Lamp.....12V55W Halogen lamp
- Max.luminous intensity.....100,000cd
- Beam spread.....7°
- Atmospheric transmission factor...100%



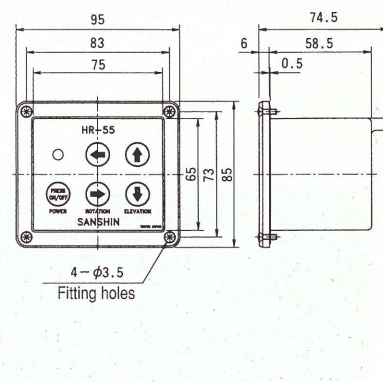
Remote control panel



Available 2-stations control by a sub remote control panel(Optional)



CPF-79(Main)



CPF-84(Sub)

MARINE SEARCHLIGHTS

Search-ROBO Series

Characteristics

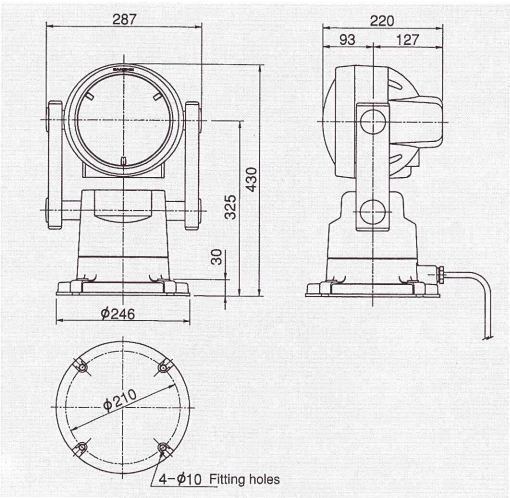
- Stylish design.
- Light weight by the aluminum alloy die casting body.
- Special finishing and high grade painting for the anti-corrosion.
- Excellent vibration-proof and water-proof.
- Wide range of selection for multipurpose.

Remote control types



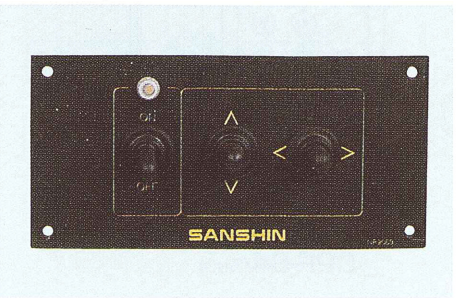
RB-16E

Range of Search-ROBO Series						
Type of lamps	Model	Power source	Lamp capacity	Max. luminous intensity(cd)	Beam spread(°) (10% of Max. luminous intensity)	
Xenon lamp	RBX	DC24V	150W	660,000	4	
		AC110V1φ60Hz				
		AC220V1φ60z				
Metal halide lamp	RBM	AC110V1φ60Hz	150W	1,000,000	6	
Halogen lamp	RBH	DC24V	150W	330,000	Vertical 5	Horizontal 8
		DC24V	300W	300,000	Vertical 9.5	Horizontal 11.2
		AC110V	300W	275,000	Vertical 12	Horizontal 13
Sealed beam lamp	RB	DC24V	75W	17,830	Vertical 9.1	Horizontal 23.5
		DC24V	150W	4,500	Vertical 8	Horizontal 20
		DC24V	300W	180,000	Vertical 13	Horizontal 13
		AC100V	150W	4,000	Vertical 10	Horizontal 20
		AC100V	300W	150,000	Vertical 5	Horizontal 20
Remarks						
1. Including the suitable ballast for xenon or metal halide lamp type						
2. Including the suitable control panel for remote control type						
3. Specify "Type of operation" "Voltage" and "Lamp capacity" when the order confirmed						



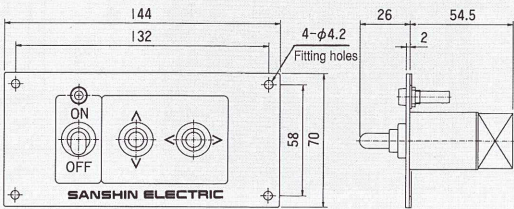
Lamps	Xenon lamp	Metal halide lamp	Halogen lamp	Sealed beam lamp
Model	RBX-16E	RBM-16E	RBH-16E	RB-16E
Elevation angle	30°	30°	45°	45°
	Down	Up	15°	
Turning angle	Right & left each 170°			
Elevation speed	6"/sec.			
Turning speed	19"/sec.			
Protection degree	IP56			
Color	Munsell N-9.5 (White)			
Remote control panel	CPF81			
Ballast	BXE-150	BXE-150		
Weight	10.9kg	10.9kg	10.0kg	10.0kg

Remote control panels



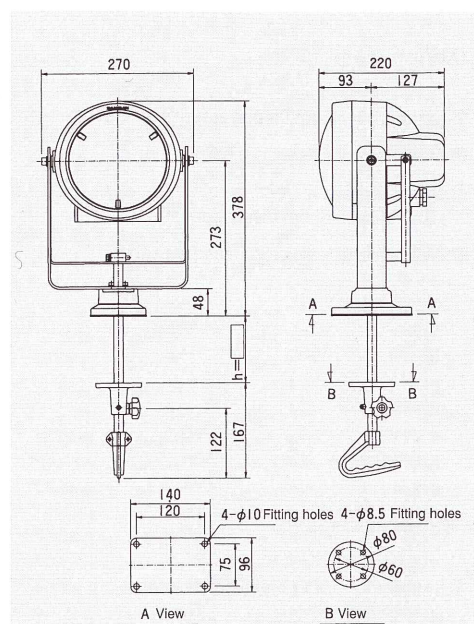
CPF81 Remote control panel

Panel cut size
58mm×122mm



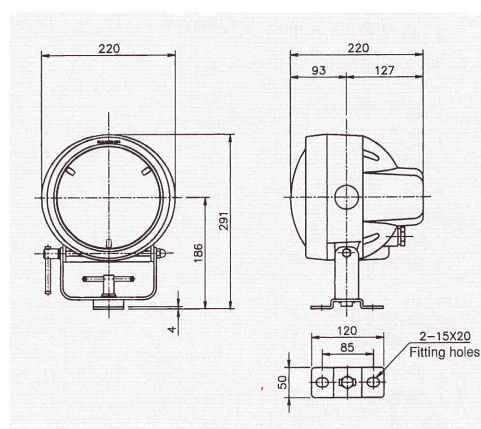
Cabin control types

Lamps		Xenon lamp	Metal halide lamp	Halogen lamp	Sealed beam lamp
Model		RBX-16C	RBM-16C	RBH-16C	RB-16C
Elevation angle	Down	30°			
	Up	30°			
Turning angle		Right & left each 180°			
Protection degree		IP56			
Color		Munsell N-9.5 (White)			
Weight		7.2ka	6.8ka	6.4ka	6.2ka



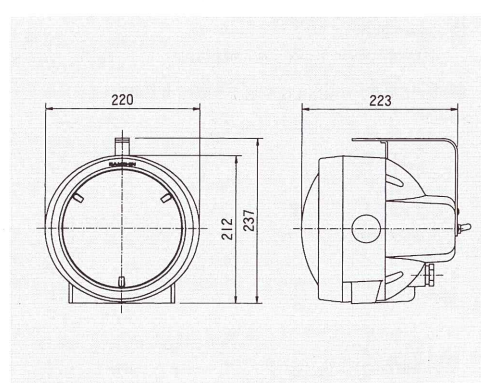
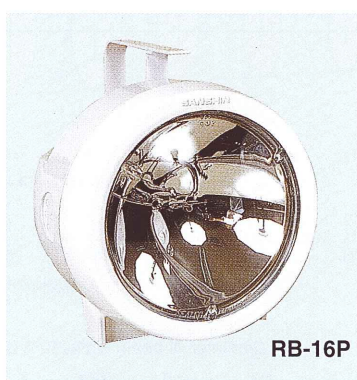
Manual control types

Lamps		Xenon lamp	Metal halide lamp	Halogen lamp	Sealed beam lamp
Model		RBX-16D	RBM-16D	RBH-16D	RB-16D
Elevation angle	Down	30°	30°	45°	45°
	Up	30°	30°	45°	45°
Turning angle		Right & left each 180°			
Protection degree		IP56			
Color		Munsell N-9.5 (White)			
Weight		4.3kg	4.1kg	3.5kg	3.3kg



Portable types

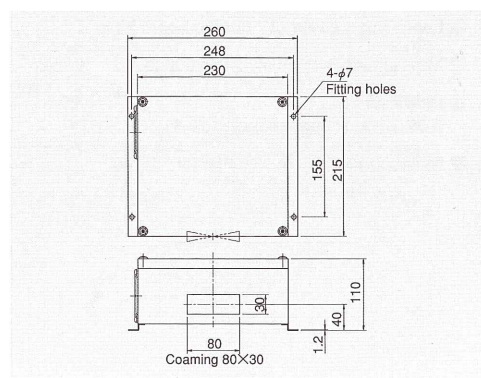
Lamps	Xenon lamp	Metal halide lamp	Halogen lamp	Sealed beam lamp
Model	RBX-16P	RBM-16P	RBH-16P	RB-16P
Protection degree	IP56			
Color	Munsell N-9.5 (White)			
Weight	3.6kg	3.1kg	2.8kg	2.6kg



Xenon • Metal halide lamp ballasts

BXE/BME-150

Model	Lamps	Input voltage
BXE-150D	Xenon lamp 150W	DC24V
BXE-150DN		DC24V (with noise filter)
BXE-150A		AC110/220V
BXE-150AN		AC110/220V (with noise filter)
BME-150D	Metal halide lamp 150W	DC24V
BME-150DN		DC24V (with noise filter)
BME-150A		AC110V
BME-150AN		AC110V (with noise filter)

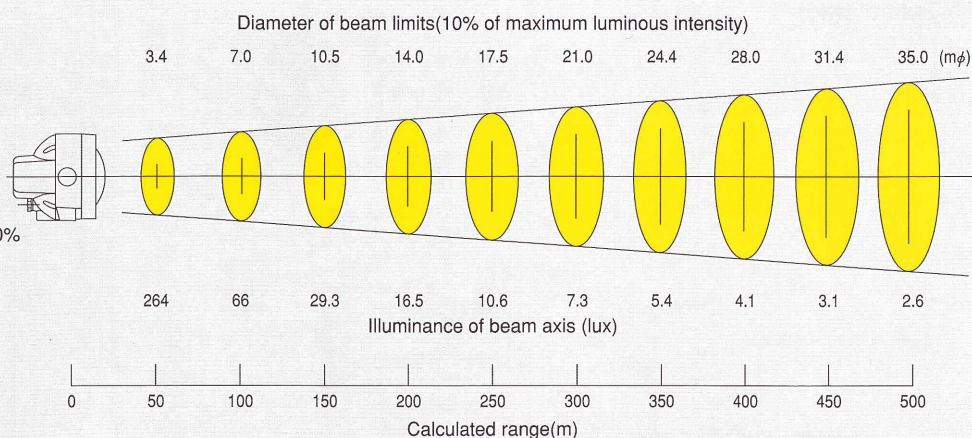


MARINE SEARCHLIGHTS

Characteristic Beam Range Search-ROBO Series

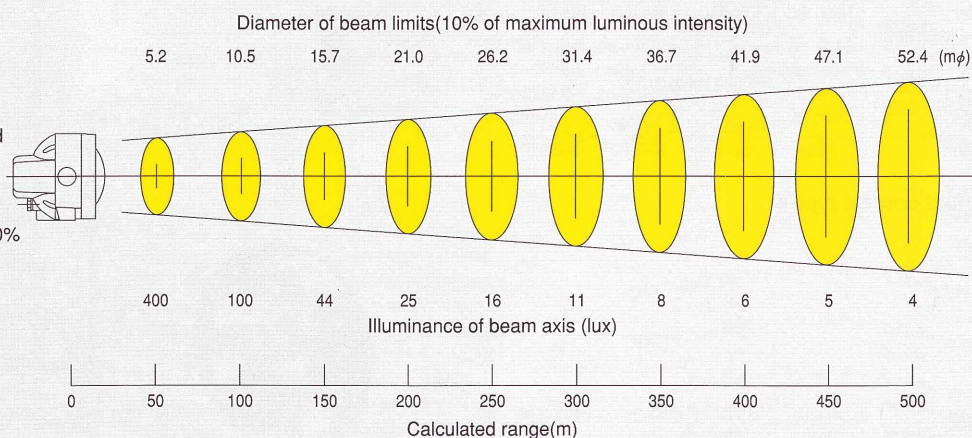
Xenon lamp

- Lamp type : 150W Xenon lamp
- Max. luminous intensity : 660,000cd
- Beam spread : 4°
(10% of peak beam candlepower)
- Atmospheric transmission factor : 100%



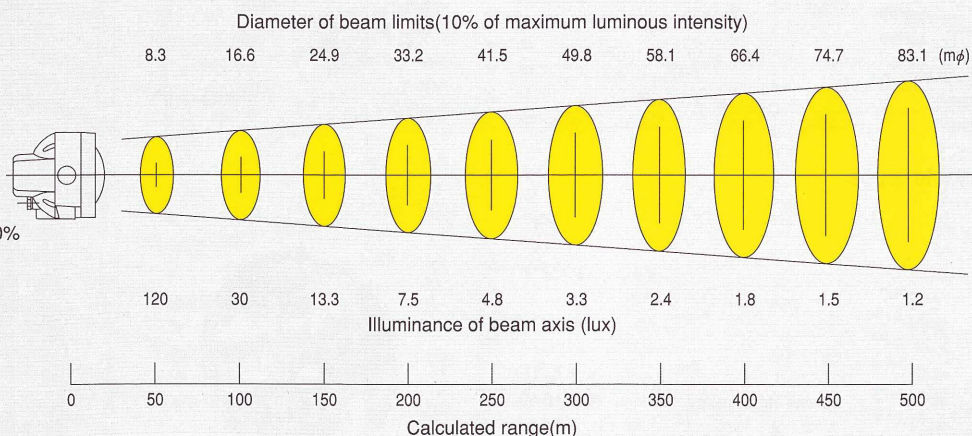
Metal halide lamp

- Lamp type : 150W Metal halide lamp
- Max. luminous intensity : 1,000,000cd
- Beam spread : 6°
(10% of peak beam candlepower)
- Atmospheric transmission factor : 100%



Halogen lamp

- Lamp type : 24V300W Halogen lamp
- Max. luminous intensity : 300,000cd
- Beam spread : 9.5°
(10% of peak beam candlepower)
- Atmospheric transmission factor : 100%



Sealed beam lamp

- Lamp type : 24V300W Sealed beam lamp
- Max. luminous intensity : 180,000cd
- Beam spread : 13°
(10% of peak beam candlepower)
- Atmospheric transmission factor : 100%

