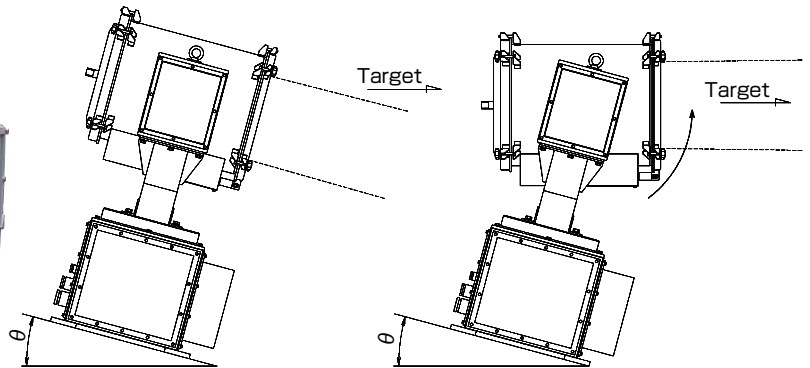


STABILIZING XENON LAMP TYPE REMOTE CONTROL SEARCHLIGHT



Searchlight
PSX-5060H23

What is stabilizing search light?



Standard search light Stabilizing search light

Fig. 1 Movement drawing

As shown in Figure 1, when a ship's hull is shaken by waves, standard searchlights are also shaken. Since the irradiation position shifts, considerable effort is required to maintain lighting a set object. You can reduce the labor of persons operating a searchlight equipped with a stabilizer through the following, because you can maintain lighting in a set direction even when the ship's hull is shaken.

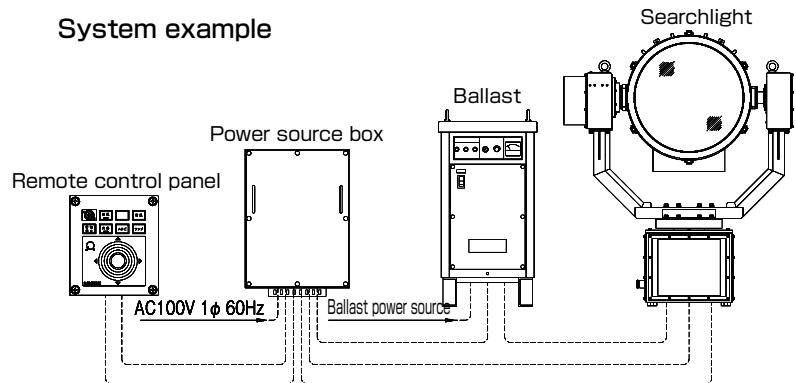
- ① Store the angle of lifting motion with the control panel.
- ② Detect the angle of the searchlight's inclination and calculate the difference with the stored angle.
- ③ Convert the calculated difference in angle to an electronic signal and operate the lifting motor.

(If you have a biaxial stabilizer, you can maintain a constant angle for the rotational angle as well, by using a gyro signal.)

System example



Remote control panel
(Optional spec.)



Model	PSX-3010H23	PSX-4020H23	PSX-5030H23	PSX-5045H23	PSX-5060H23
Operation method	Remote control				
Lamp model	UXL-1000S KXL-1000SF	UXL-2000S KXL-2000E	KXL-3000E	KXL-4500E	KXL-6000E
Lamp capacity	1000W	2000W	3000W	4500W	6000W
Max. luminous intensity	18×10 ⁶ cd	65×10 ⁶ cd	100×10 ⁶ cd	120×10 ⁶ cd	300×10 ⁶ cd
Beam spread	Approx. 2.5°	Approx. 1.5°	Approx. 2°	Approx. 2°	Approx. 1.5°
Beam distance	Approx. 4240m	Approx. 8060m	Approx. 10000m	Approx. 11000m	Approx. 17300m
Elevation angle	Down : 30° Up : 30°				
Elevation speed	0 to 10 / sec. (variable)				
Turning angle	Left and Right each 165°				
Turning speed	0 to 20 / sec. (variable)				
Oscillation follow-up accuracy	±0.2°(at an oscillation angle ±15° and an oscillation period of 6sec.		±0.2°(at an oscillation angle ±15° and an oscillation period of 8sec.		
Bearable wind velocity	Up to 51.45m/sec.				
Weight	170kg	200kg	280kg	280kg	300kg
Protection degree	IP45				
Applicable ballast	KSX-450ET-1	KCX-803E-1	KCX-1003E-1	KCX-1203E-1	KCX-1603E-1