

PRETECH P36

350W XENON SEARCHLIGHT FOR MARINE APPLICATIONS

LONGER RANGE – BETTER CONTROL – HIGHER SAFETY AT SEA

RELIABLE ILLUMINATION
IN ALL CONDITIONS



RUGGED DESIGN
FOR DEMANDING
MARINE
ENVIRONMENTS

KEY FEATURES



High Intensity Illumination

30 million candela with a beam range of up to 5,500 m (1 lux), providing clear and long-distance visibility.



Continuously Adjustable Beam 1° – 20°

Optimized for various operational requirements.



350° Pan / ±30° Tilt

Wide coverage with continuous pan and precise tilt control.



Electric Control System

Fully electric operation for pan, tilt and beam adjustment. Interface options: RS485/RS422 and NMEA 0183.



Marine Grade Construction

Aluminium alloy and stainless steel housing, IP56 ingress protection.



Wide Operating Temperature

Reliable performance from -35°C to +55°C.



Flexible Integration

Easy integration with vessel control systems, surveillance systems and navigation equipment.

OPTIONAL CONFIGURATION



Thermal camera
(optional)



Low light camera
(optional)



External lighting unit
(optional)



Wide beam LED light
(optional)



Electric control panel
(optional)

APPLICATIONS



Patrol & Surveillance
Vessels



Coast Guard
& Border Protection



Offshore Platforms



Ports & Harbours



Search & Rescue



Aids to Navigation

PRODUCT OVERVIEW

The **PRETECH P36** is a high-performance 350W xenon searchlight designed for marine use. It provides powerful and long-range illumination, wide beam adjustment, and precise electric control. Built with durable marine-grade materials, the P36 ensures reliable operation in harsh offshore conditions and is ideal for patrol vessels, work boats, offshore platforms and other marine applications.

TECHNICAL SPECIFICATIONS

Item	Specification
Model	P36
Light source	Xenon 350W Short Arc
Lamp power	350 W
Operating voltage	115 / 230 VAC, 50/60 Hz
Light intensity (peak)	≥ 30,000,000 cd
Luminous flux	60,000 lm
Beam range (1 lux)	Approx. 5,500 m (in clear weather)
Beam angle	1° – 20°, continuously adjustable
Pan angle	350° (continuous)
Tilt angle	±30°
Pan speed	15°/s (fast), 3°/s (slow)
Tilt speed	15°/s (fast), 3°/s (slow)
Control system	Electric control Interfaces: RS485 / RS422 and NMEA 0183
Control options	Integration with vessel control system
Power frequency	50/60 Hz
Operating temperature	-35°C to +55°C
Ingress protection	IP56
Material	Marine-grade aluminium alloy and stainless steel
Weight	Approx. 22 kg
Finish	White RAL 9016 (other colours on request)
Origin	 Germany

DIMENSIONS (mm)

