



APPLICATION

The Francis Premium range of variable speed Remote Controlled Searchlights incorporate the design features required to successfully operate searchlights in the most demanding product operating environments on land and sea.

The powerful 5kw Xenon offer exceptional light out and comes with full variable speed remote control, a sleek joystick control panel, using membrane and LED technology, offering Bus Control.

The Francis bus (FBUS) is a custom communication protocol based on RS485 two-wire bi directional communication hardware. The system provides a simple bi directional link between searchlights and control panels.

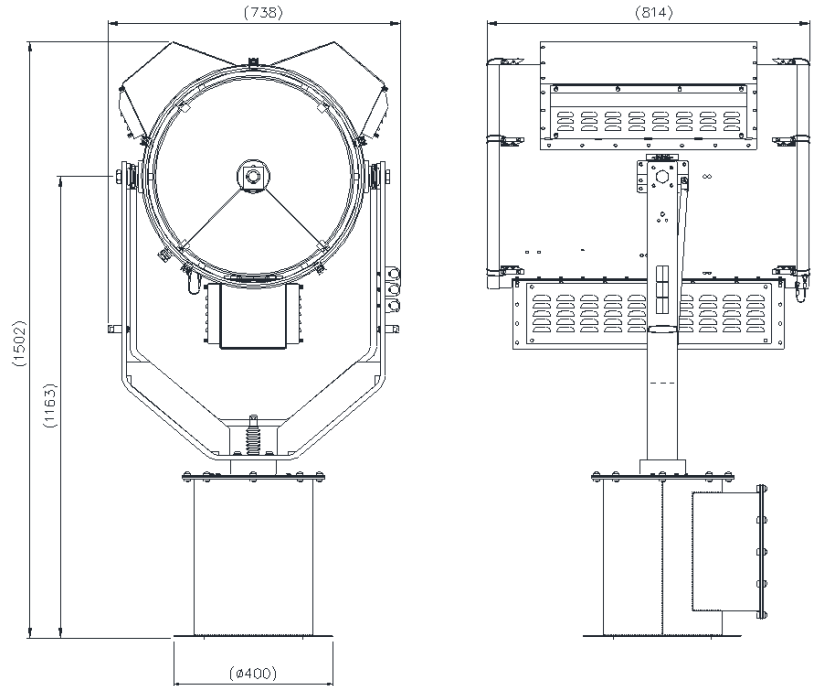
The colour temperature of the Xenon lamp being equal to that of 'sunlight', make this the searchlight ideal for polar regions.

These high power searchlights are well suited to applications where long range and excellent light output are required. For marine applications assisting collision avoidance and man over board situations, and crucially saving lives.

The Francis Xenon searchlight is strong and very well manufactured, and hence is used extensively in security applications, including border control, prisons & watch towers.

SPECIFICATION

- Instant re-strike. No "cooling" down time required.
- Toughened super clear Optiwhite front glass.
- Parabolic glass reflector
- Constructed from marine grade materials and fixings
- Powder coated and stove enamel paint finish.
- Pan rotation 385°
- Tilt elevation control $\pm 30^\circ$.
- Variable speed LED joystick, with auto home position.
- RS485 connectivity. Dimmable Control Panel.
- Variable Rotation Speed 1 to 43°/sec (Pan)
- Variable Elevation Speed 1 to 14°/sec (Tilt).
- Heater fitted in gearbox & barrel
- Operational temp -52°
- Remote lamp focus, 1.5° spot to 10° flood.
- Sealing - IP67 Gearbox, IP56 Searchlight, PSU IP21
- Weight Searchlight 93kgs, PSU 31Kgs
- High quality 3 Phase 200v PSU suitable for 50/60 Hz
- Redesigned gearbox housing, incorporating cable termination, for direct connection.



ALL DIMENSIONS IN MILLIMETRES

Base fixing details:

4 holes 12.5 \varnothing equi-spaced on a 350mm PCD

Joystick panel 120 x 120mm (106 x 106mm cutout)

PSU dimensions: 400 x 290 x 510mm

Part Numbers

Type	Supply	Watts	Part No.
FX560RC	200v 3Ph	5Kw	A7290
5Kw Xenon Lamp			D27880

Optional extras:

Computer Control Software

Azimuth LED Control Panel

Master Control Panel (control up to 6 Searchlights)

Slave Control Panels (with full control)

Fiber Optic/TCP/IP Connections

Flir Thermal camera

VAC	Lamp life	Range @ 1 Lux	PBCP X 1000	Div	Watts
220/440v	1200hrs	20,420	417,000	1.5°	5000w