

Moonraker  
Aurora  
Stardrift  
Polaris



## Extravaganza & Architectural Lighting

*"Francis Searchlights have been installed at Blackpool Pleasure Beach over 10 years. They are a prominent feature in the Blackpool skyline and significantly enhance the spectacle of Blackpool Pleasure Beach at night. The searchlights are very reliable and withstand all the elements experienced in our resort".* Courtesy of Blackpool Pleasure Beach Public Relations Office



**Francis**  
SEARCHLIGHTS

The Francis POLARIS, STARDRIFT, AURORA and MOONRAKER Xenon searchlights have been developed to give spectacular effects over great distances.

Whilst the Polaris is used for static architectural applications, the Aurora, Stardrift and Moonraker searchlights move in a dynamic manner projecting powerful shafts of light into the night sky. They can be used as either permanent installations or flight capabilities at venues world-wide.

# extravaganza & architectural

Spectacular Events



## STARDRIFT

Stardrift is the term given to the common motion of a star in the heavens. The Francis STARDRIFT is mounted to a mounting plate via a universal joint which offers a 60° cone of movement from the vertical. The searchlight can be controlled via the DMX 512 protocol or an internal Micro-controller.

Polaris, the Pole or North Star, is the brightest star in the constellation Ursa Minor. The star has, for thousands of years from its permanent location in the night sky, guided people safely to their destination. The Francis POLARIS produces a highly visible static beam which can be used to enhance architectural features or alternatively used to create inspiring visual effects.

Architectural Enhancement

## POLARIS



# AURORA

ons the  
precisely defined"  
sky. The complete units  
sed for transportation to



Aurora is the term used to describe an atmospheric phenomenon which radiates from both the North and South Poles. It is seen to display an endless variety of shapes ranging from flames to dancing columns of coloured light. The Francis AURORA offers the client DMX control as well as the option to add a Dichroic colour changer on to this robust unit.

## Theme Park Lighting



Pictures courtesy of Blackpool Pleasure Beach



star  
base  
controlled  
r.

## Special Effects

Moonraker is the name of the top most sail on a sailing ship which, from the deck, was seen to rake amongst the stars and moon itself. The Francis MOONRAKER operates from either DMX input or alternatively records a program from a Micro-controller.

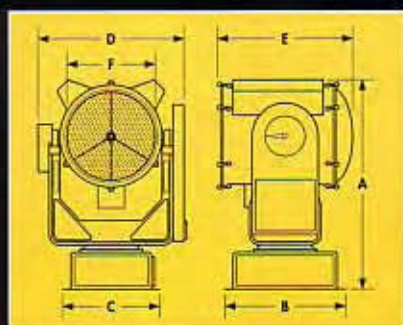


Particularly impressive at significant architectural locations, sporting venues, theme parks, shopping and leisure complexes, the Francis Extravaganza lighting range has to be seen to be believed.

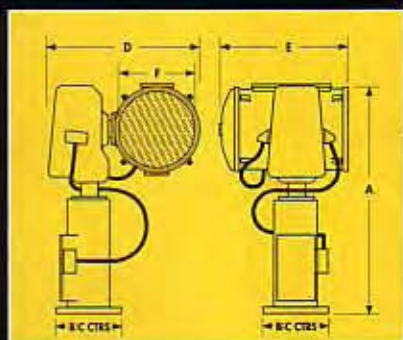


# MOONRAKER

## Application



Moonraker



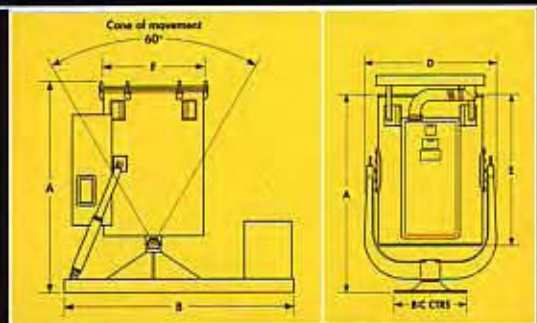
Aurora

All Francis Extravaganza searchlights incorporate Nickel parabolic mirrors which combined with the high intensity Xenon light source provide excellent long range performance. Additionally all the searchlights within the range offer the client the ability to focus the units from a laser-like beam to flood type settings. These clean and efficient Xenon lamps are capable of instant strike and restrike - with no warm up time required. The Polaris, Stardrift and Moonraker units are supplied with the appropriate control gear for either 3 phase 208-230V A/C or 380-415V A/C supplies. The Aurora requires a 208- 237V A/C single phase supply.

In conjunction with both Aluminium and Brass barrels the searchlights use high grade stainless steel fixings, toughened front glass and high-powered fans to provide long lasting, reliable operation. A self contained filter system ensures sand and dust cannot penetrate the internal chambers whilst a severe weather, stove-enamel, marine paint protects the exterior of the searchlights.

Fixed single-colour filters or Dichroic colour changers can be installed on the front of the units to achieve an even more surreal experience.

All Francis Extravaganza searchlight systems are designed to work in hostile environments with ambient temperatures ranging from between -20°C to +50°C. Upon request the units can be enhanced to allow operation between -40°C and +50°C (-40°F to +122°F).



Stardrift

Polaris

Shown with colour filter attachment

## Specification

mm ins	A Height	# Base Length	C Base Width	D Unit Width	E Barrel Length	F Searchlight Diameter	G Mirror Diameter	H Fixing Centres	Cone of movement	Pan Function	Tilt Function
Aurora	1070 42	N/A	N/A	535 21	630 24.8	395 15.5	355 14.0	4x270 4 x 10.629	N/A	350°	120°-30°
Polaris	1400 56	N/A	N/A	1000 40	1020 40.8	710 28.4	630 25.2	4 x 422 4 x 16.625	Fixed	Fixed	Fixed
Stardrift	1500 60	1500 60	1000 40	750 30	1020 40.8	710 28.4	630 25.2	N/A	60°	N/A	N/A
Moonraker	1500 60	850 34	700 28	1100 44	980 39.2	710 28.4	630 25.2	N/A	N/A	180°	90°-30°

Watts	Model	Weight kg/lbs	Enclosure Protection	Lamp life	PBCP	Range	Focus Divergence
2kw	Aurora	180/397	IP 56	2000 hours	57 million	1 lux at 7.5km	1.5° - 10° incl.
4kw	Polaris	200/440	IP 56	800 hours	4.9 x 10 <sup>6</sup>	5 lux at 15km	1.5° - 10° incl.
	Stardrift	300/660	IP 56				
7kw	Polaris	200/440	IP 56	500 hours	10 <sup>6</sup>	10 lux at 10km	1.5° - 10° incl.
	Stardrift	300/660	IP 56				
	Moonraker	500/1100	IP 56				

**Francis**  
SEARCHLIGHTS

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