Skylos

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#CJ3004

Skylos searchlight surpasses traditional models and unlocks new market potentials. It suits various settings, including touring, large events, theme parks, and fixed installations. It features a safe, innovative light source and offers top performance with minimal power usage and maintenance needs. Its robust design ensures suitability for extreme conditions. Claypaky's **Laser Variance Program**, a dedicated online tool, enables effortless navigation through the entire variance acquisition process, guiding every step of the way and supporting in passing quick online tests after a short online training. On top of that, Claypaky supports filling out the FDA form and submitting it to the FDA office. Obtaining global compliance has never been more straightforward (laservariance.com) Claypaky's Skylos provides a long list of features and performance specs that make it much more than just a simple searchlight. They are extremely versatile fixtures in every way. They will also be appreciated in the touring sector, where LDs are constantly looking for dense, solid beams of light highly visible from afar and ever-greater light output. **Key features at a glance: Innovative light source**: a custom 300W white laser source, delivering unrivaled parallel beam that is still visible and rich in contrast even past 2km or over a mile away, while ensuring safety and reliability, setting new benchmarks in lighting technology. **Superior performance**: experience top-tier performance coupled with minimal power consumption, offering an optimal balance of luminosity and energy efficiency. These fixtures are more than innovation, they are a commitment to sustainability. Every beam of light is a step towards a greener, more responsible future, as we are stating in our CP Green manifesto. **IP66 rating / Marine grade protection**: their specially designed bodies can be used in any weather conditions and environments with high marine salinity and high risk of corrosion. Ideal for cruise ships and seaside environments, they are part of Claypaky's Shield Family (IP66), ensuring reliability in every performance. **Arctic Shield / Heat Shield / Solar Shield**: Their sophisticated internal heating system enables performance in extreme temperatures -40°C +45°C (- 40° +113°F). Solar Shield is a system of passive and active metal sheets that shads the engine and internal components from sun exposure. **Optical precision**: Skylos and Skylos NV feature a specially designed 300mm front lens which helps spread a uniform, intense beam of light visible even from a distance. Adjustable beam angle (0.5° to 5°) ensures exceptional light intensity. **Wide range of effects**: distinguished by their prism battery, these fixtures feature a rotating six-sided prism, a rotating five-sided linear prism, and a fixed 4-sided prism. Combining these prisms creates striking effects, including a

breathtaking moonflower effect. Laser technology enhances optical contrast for sharp light mid-air projections. They are equipped with a 14-color wheel for high brightness with color filters, a 5° frost filter for soft edge effects, a 24-bit digital dimmer, and a digital stop-strobe effect for dynamic lighting control. Skylos and Skylos NV are not just searchlights. They are a comprehensive lighting solution that addresses the needs of lighting designers and the entertainment lighting industry. Their combination of efficiency, versatility, and performance makes them a valuable asset for any production, ensuring that Skylos and Skylos NV are the light of choice for those who seek to dazzle and captivate audiences worldwide.

Specifications

- **Light Source**
  300W white light laser source
- **Light Output**
  >250 Mil cd ; NV Version: >200 Mil cd
- **Zoom range**
  0.5° to 5° (10:1) linear edge
- **Effects**
  Perfect beam collimation and uniformity; 14-color wheel; One slot for custom fixed gobo; Rotating 6-sided + 5-sided linear prisms on a wheel; Fixed 4-sided prism on a second layer, which overlaps with the other two in order to create a Moonflower effect; 5° frost filter; 24-bit digital dimmer; Digital stop-strobe effect

Light Source Type

Source type

Laser

Power

300W

Colour Temperature

10000k

Laser life expectancy

30000 hrs L70*

*It may vary depending on various factors, as type of use and environment

Photometric Data

Zoom range

0.5°- 5° range

Front Lens

300mm

Optical system

High efficiency

Noise Level

Fixed presets

52,6 dBA

Control and Connections

Personalities

1 mode with 20 control channels

Control protocol

- DMX, Art-Net, sACN, RDM
- CRMX (Wireless Solution / Lumen Radio)

Connectors

- Locking 5 pin XLR IN/OUT
- RJ45 IN

Power connector

PowerCon True1 IN/OUT

Ethernet port

RJ45 IN

Web Server

Built In

CloudIO

Fully compatible

Dynamic Effects

Colors

Color wheel with 14 dichroic colors

Gobos

- 1 slot position for customizable fixed gobo
- Ext Diameter 25.9mm
- Image Dianmeter 16mm
- Thickness 1.1mm

Frost

Linear heavy frost 5° for wash effect

Rotating Effects

- Wheel with 2 positions: 6 faced prism + 5 faced linear prism
- 4 faced fixed prism on a separate channel

Movement

- Tilt: 270° – 16bit
- Pan: 540° – 16bit
- Accuracy: ± 0.2° – Range 0,4°
- Automatic repositioning
- Mechanical Pan/Tilt lock for safe transportation and maintenance
- Fast/Normal speed selectable via Function channel

Beam

Motorized Zoom

Dimmer/Shutter

- High resolution dimmer – 24 bit
- High speed electronic shutter and strobe

Hardware and Software

- Long life self-charging battery
- Display Graphic LCD backlit b/w Display
- Firmware upload from another fixture
- Firmware Upgrade via Web Server
- Diagnostic
- DMX monitoring
- Remote access through RDM

Housing

- Aluminum and steel structure with plastic covers
- Two side handles for transportation
- IP66 protection rate
- Marine Grade protection
- IK06 impact resistance rate
- Working in any position
- Hanging system: with fast-lock Omega clamps (1/4) turn on the base
- Optional safety chain

Electrical

Operating Voltage

100-240V, 50/60 Hz

In/Out MAX

Mains out MAX 1 fixture MAX 1200 VA

Power Supply

Electronic auto range with active PFC

MAX power consumption

900VA

Thermal Specification

Max ambient temperature

45°C (113°F)

Min ambient temperature

		-40°C (-40°F)
	Max temperature of the external surface	55°C (131°F)
	Total heat dissipation	3074 BTU/hr ±10% / 3240 kJ/hr ±10%
Saftey Specs	**Minimum distance of illuminated objects**	30 meters (98 ft 5 In)
	Minimum distance from flammable materials	0.2 meters (8”)
	Protection	• Thermally protected power supply (overheating and cooling failure) • Power fuse: T10A 250V (6,3×32 mm) • Internal fuse (for battery): T2A 250V (5×20 mm) • Forced ventilation with axial fans
Compliance	**CE Marking (in conformity to the following)**	• 2014/53/EU – Radio Equipment Directive (RED) • 2011/65/EU – Restriction of the use of certain hazardous substances (RoHS) • 2009/125/EC – EcoDesign requirements for Energy-related Products (ErP)
	UKCA conforms to UK regulations	• S.I. 2017 N.1206 • S.I. 2012 N.3032 • S.I. 2021 N.745
	cETLus LISTED	• UL 1573:2003

- CSA C22.2 N.166:2015

Packaging

Total Carton box

Flight case + Foam shell (1 position)

Weight - Size

Weight

60 Kg (132,3 lbs)

Base dimensions

- 400 x 480mm
- 15.75 x 18.90 In

Height with vertical head (h)

- 928 mm
- 36.54 In

Distance between two fixtures

- 1000 mm
- 39.97 In

Accessories

Omega bracket

2×183102/805 (included)

- ETL Power CAB02B/802 (Optional) cord 1.5mt. (bare end with IP65 PowerConTrue1 connector)

Flight case 1 position

CF1027 (optional)

Safety Chain

105041-001 (optional)