

S1000 LED PROFILE

SPOT | PROFILE | WASH



The **S1000 LED Profile** packs with the latest 1000W LED white light engine for higher lumen output that covers most applications. The addition of the +/- 90 degrees rotatable framing shutter system with 4 individually controllable blades provides more dynamic use of different effects, on top of the already rich packed functions like the multi gobo wheels and animation wheel ready to overlap.

The color mixing system with the combination of color wheels, CMY mixing, CTO, CRI/CTB ensures more colors can be generated when needed.

Specifications

Light Source

- 1000W White LED Engine
- Color temperature 6500K, CRI 70
- Rated lumen output: 79,000 lm (light source)
- Frontal lens output: 46,000 lm
- Led Life Expectancy: approx. 50.000 hours

Optical System

- Efficient optical system, ratio 9.8 :1
- Zoom range 5.2° - 53°
- Linear & fast motorized zoom
- Frontal lens diameter: 178 mm

Functions

- 1 indexable rotating gobo wheel, with 6 glass gobo + open
- 1 changeable static gobo wheel, with 7 glass gobo + open
- 1 animation effect wheel
- 4 blades framing shutter with +/- 90° rotation
- Iris 15% - 100%
- 2 prisms, 5-facet & 4-facet linear
- 2 frost filter: light & heavy frost
- 7 color wheels
- Linear CMY + CTO color mixing
- CRI + CTB filter
- Selectable dimmer curves + dimmer speeds.
- Selectable PWM Modes, flicker-free
- Pre-programmed random strobe & pulse effects
- LED controllable in 9 zones, for animated effects.

Movement

- High precision stepping motors
- 16-bit Pan/Tilt control
- Position Feedback, auto correction.
- Pan and Tilt movement range: 540°/270°

Thermal

- Maximum ambient temperature: 45° C (113° F)
- Minimum ambient temperature: -10° C (14° F)
- Adaptive temperature control for highest efficiency
- 5 selectable fan modes
- Fan monitoring / RPM feedback

Control and programming

- Setting & Addressing: 2.8" LCD with 5 navigation input buttons
- Protocol: USITT DMX-512, ArtNet & sACN
- DMX-RDM compatible
- Optional wireless DMX (CRMX Timo 2 / W-DMX)
- 2 DMX protocol modes
- Control channels: 42 / 64
- Stand-alone mode
- DMX In/Out: XLR-3 & XLR-5, Ethernet (In)

Electrical Specification

- Electronic switching power supply with auto-sensing, Active PFC
- Input voltage: 100-240 V, 50/60 Hz
- Max. power consumption: 1460 W
- Power in connector: Neutrik powerCON True1

Mechanical Specification

- Height: 783 mm
- Width: 462.2 mm
- Depth: 345.7 mm
- Weight: 40.6 kg

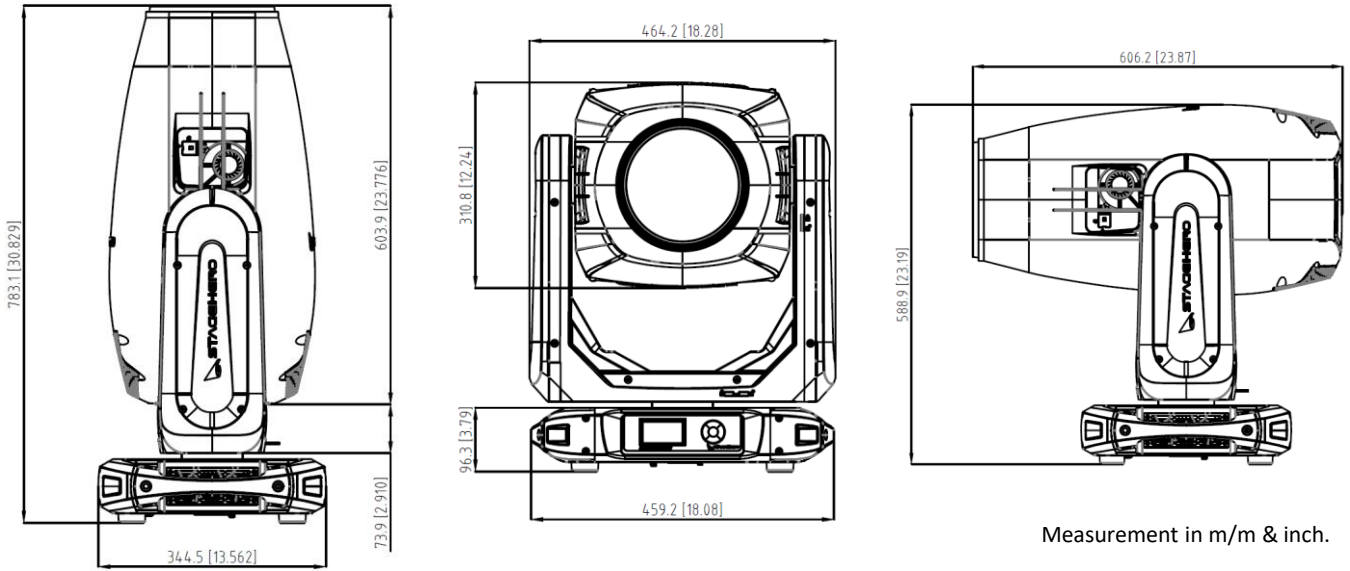
Rigging

- Two Omega ¼ turn brackets
- 4 mounting points
- 1 attachment points for safety wire

Included accessories

- 2 x Omega brackets
- 1 x Power cable with Neutrik PowerCon True1 connector

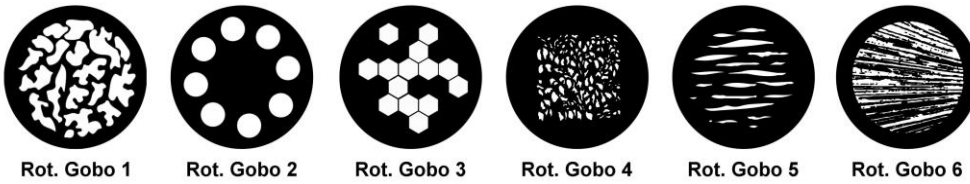
Technical Drawing



Measurement in m/m & inch.

Gobo / Animation Wheel / Prisms

Rot. Gobos

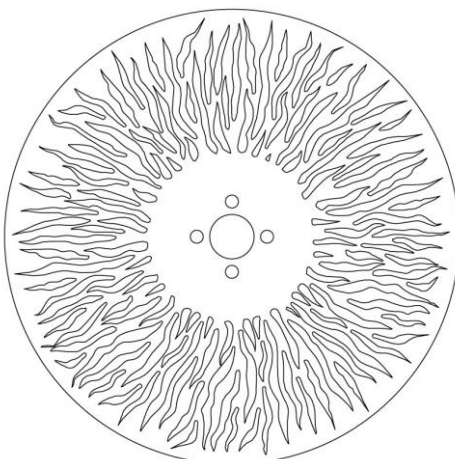


Static Gobos



*Static & Rot. Gobo size: O/D 32 mm, graphic dia. 24 mm, glass thickness 1.1mm +/- 0.05

Animation

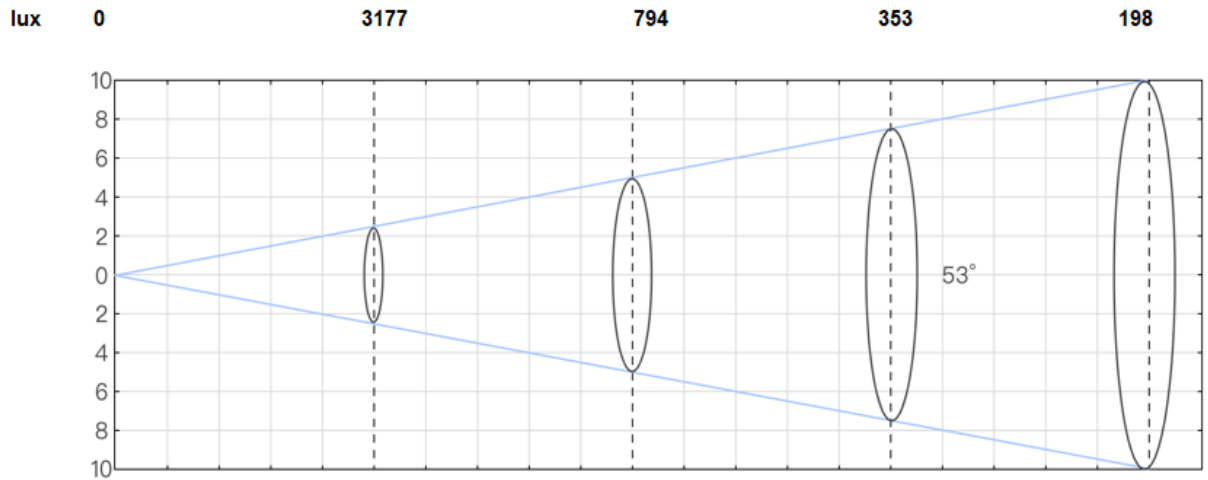


Prism

5 Facet

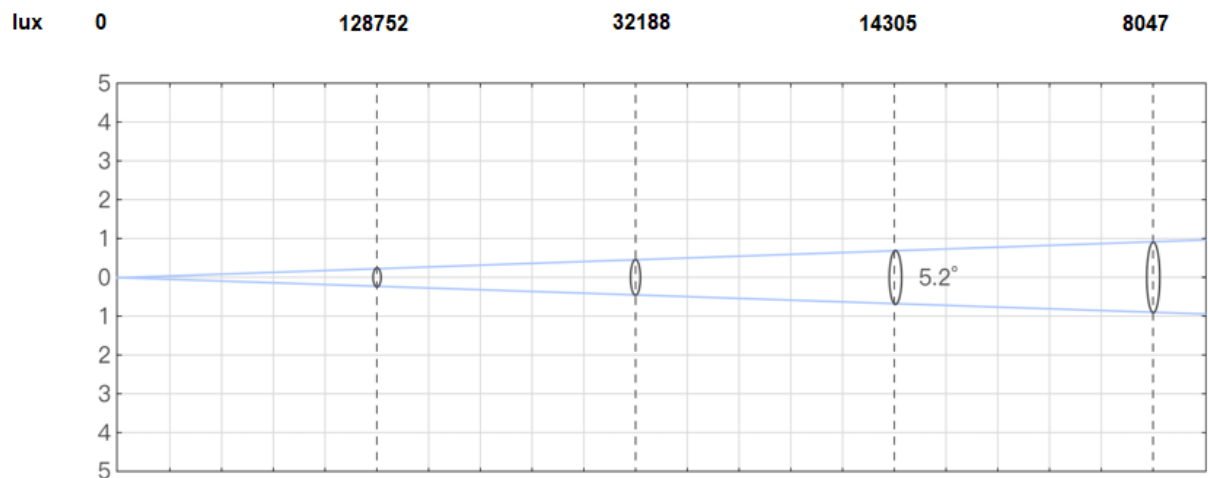
4 Facet



Photometrics
Beam angle (53° 10%) Max. zoom


Distance m	0	5	10	15	20
Dia. 10% m	0	5.02	10.03	15.05	20.06

Distance	5 M	10 M	15 M	20 M
lx / fcd	3177 / 295	794 / 74	353 / 33	198 / 18

Beam angle (5.2° 10%) Min. zoom


Distance m	0	5	10	15	20
Dia. 10% m	0	0.45	0.9	1.36	1.82

Distance	5 M	10 M	15 M	20 M
lx / fcd	128752 / 11961	32188 / 2990	14305 / 1329	8047 / 748

Fixture personality settings

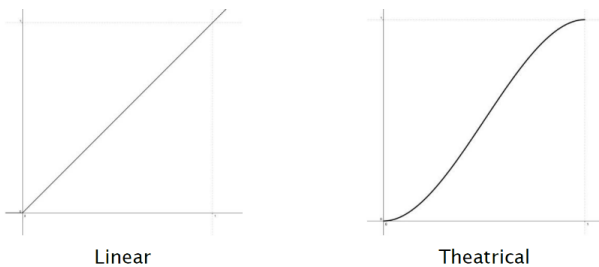
Ethernet Settings:

Set the control protocols Artnet / sACN and default or Custom IP & Universe settings.

Enable / Disable DMX conversion and output.

Dimmer Curve

Choose preferred LED dimming curve.



Dimmer Speed

Set dimmer speed to be Fast (fast response) or Smooth (smoothen) response.

PWM Rate setting

Set LED PWM rate to avoid flickering under camera filming. Higher PWM rate will remove camera flickering but will affect dimming smoothness:

- **2400 Hz**
- **6000 Hz**
- **12000 Hz**
- **24000 Hz**
- **30000 Hz**

Cooling setting

Set fixture's cooling fan speed according to different application if desired:

- **Auto:** Regulated fan speed according to fixture output & temperature.
- **Whisper:** Lowest fan speed and noise setting. Fixture output will be restricted.
- **Silent:** Slightly higher fan speed & noise than **Whisper** mode.
- **Standard:** Medium Fan speed and noise setting.
- **High Power:** Max fan speed and noise, fixture runs with max cooling & output.

Fixture personality settings

Motor Settings

Set Invert & Feedback for **Pan / Tilt / Zoom**.

Set default **Home position** (when NO DMX signal is connected)

Auto Blackout: individually enable or disable auto cut off light when the following motors is in move:

- **Pan / Tilt**
- **Gobo**
- **Color Wheel**

Reset via DMX

Disable the **Reset** function from DMX control ch. (Standard: Ch. 42, Extended: Ch. 64)

Display settings

Configure display backlight:

- Backlight Brightness level
- Backlight on/off
- Auto backlight shut-off time
- No signal flash: Flash backlight when no DMX signal is detected.

- Flip Display: Turn display upside down for hanging positions.