

# Alpha Profile 700 & ST

C61365  
C61366 (ST Version)

Technical Data



The Alpha Profile 700 is the only 700 watt automated spotlight with framing system available on the market. Focal distances have been optimized for an effective framing of well focused patterns, with triangles and quadrangles of all shapes and sizes. Programming is enormously simplified, thanks to the color-macros and the Dyna-Cue-Creator function; the extraordinary Stay-Sharp-Zoom function (patented) keeps images in focus while the zoom runs from one beam angle to another, even when projected effects are located on different focal planes.

Alpha Profile 700 - "ST" Version:

On request, the ST Version is available for STUDIO use (Television and Theatre), given it has an optics and a special lamp that produce a beam light with a color temperature of roughly 6,000K.

- 700W discharge lamp
- Optical unit with extremely high luminous efficiency (28,500 lux at 5 m).
- Incredibly small (head length = 455 mm)
- 11 - 55° electronic linear zoom. Additional angle: 7,6°
- Stay-Sharp-Zoom function for automatic focusing (patented)
- CMY colour system + colour wheel + linear CTO
- Patented framing system, adjustable over 90°
- Shapes and triangles of various proportions and sizes
- "Total curtain effect" with single blade
- Graphic system: 7 rotating gobos + 9 facet prism

- Special 16-blade mechanical iris
- Dyna-Cue-Creator on a special channel for fast artistic programming
- Frost filter
- 0-100% hybrid dimmer (electronic + mechanical)
- Three-phase pan/tilt motor for perfectly silent operation
- High performance electronics and firmware
- Art-Net / RDM
- Modular construction for easy maintenance
- Extremely silent: 43 dBA (41 dBA in "half power" mode)

## POWER SUPPLIES

100-120V 50/60Hz  
200-240V 50/60Hz

## INPUT POWER

1050VA at 230V 50Hz.

## LIGHT SOURCE

700 W discharge lamp:

- Cap: PGjX28
- Color Temperature: 7,200 K (code C61365) - 6,000 K (ST Version: code C61366)
- Luminous Flux: 50,000 lm
- Average Life: 750 h

## OPTICS

Elliptic reflector with high luminous efficiency  
Electronic Linear Zoom 11°-55°. Additional angle: 7,6°  
Electronic focusing with "Stay-Sharp Zoom" system (auto-focus)

## COLOR SYSTEM

CMY Color Mixing + linear CTO  
8-color wheel + open

## FRAMING SYSTEM

4 Blades that move separately  
Smooth, flexible blade movements at variable speed  
A "total curtain" effect made separately by each of the 4 blades, in many - shapes and colors  
F.M.I. effect (Framed Moving Images)  
Small and large dynamic profiles  
90° rotation of the entire system, at variable speed

## EFFECTS SECTION

1 Rotating Gobo wheel with 7 bidirectional and indexable high quality gobos (Ø 25,7 mm)  
Selectable "Gobo shake" function

All the gobos are easily interchangeable

1 prism (9 facet)

Dyna-Cue-Creator for fast artistic programming

1 interchangeable frost filter

Special high speed 16 segments mechanical iris

Hybrid 0-100% dimmer (electronic + mechanical)

Stop / strobe effect

## **CONTROL AND PROGRAMMING**

Max 41 DMX 512 control channels

DMX protocol signal: USITT DMX 512

Art-Net / RDM

Display: Graphic LCD backlit b/w Display

Pan/Tilt Resolution: 16 bit

Gobo Indexing Resolution: 16 bit

Dimmer Resolution: 16 bit

Movement control: vectorial

DMX signal connection: 3 and 5 pole XLR input and output

Software upload through DMX input

## **BODY**

Aluminum structure with die-cast plastic cover.

Two side handles for transportation.

PAN and TILT lock for transport and maintenance.

## **MOVING BODY**

Angle:

- PAN = 540°, TILT = 250°

Max Speeds:

- PAN = 4.78 sec (540°)

- TILT = 2.33 sec (250°)

Resolution:

- PAN = 2.11°, PAN FINE = 0.008°

- TILT = 0.98°, TILT FINE = 0.004°

Automatic repositioning of PAN and TILT after accidental movement not controlled by control unit.

## ELECTRONICS

Long life self-charging buffer battery.

Pre-set macros.

"ENERGY SAVING" function: with the stop or total dimmer effect on, or with all the CMY filters full (black), consumption cut by 50%.

ON/OFF lamp control from the lighting desk.

Function reset from the lighting desk.

"AUTOTEST" function from menu

Electronic monitoring with status error

Cooling system monitoring

DMX level monitoring on all channels

Internal data transmission diagnostics

Firmware Upgrade with no power

Firmware upload from another fixture

## SAFETY DEVICES

Bipolar circuit breaker with thermal protection.

Automatic break in power supply in case of overheating.

Forced ventilation with axial fans.

## WORKING POSITION

Functions in any position.

Hanging system: with fast-lock omega clamps (1/4 turn) on the base

## CE MARKING

In conformity with the European Directives:

- 2014/35/EU - Safety of electrical equipment supplied at low voltage (LVD)
- 2014/30/EU - Electromagnetic Compatibility (EMC)
- 2011/65/EU - Restriction of the use of certain hazardous substances (RoHS)
- 2009/125/EC - EcoDesign requirements for Energy-related Products (ErP)

## ETL

This product is available, on demand, with cETLus Listed Mark, that complies with the UL 1573 and CSA C22.2 No. 166 standards.

## WEIGHT

31,5 Kg (69 lbs 5 oz)

