



Description of the Unilux 3000 Strobe Light System

General Information:

Unilux (USA) has been in existence for more than 25 years and specialises in the manufacturing of high intensity strobe lights. For many years the name UNILUX has been synonymous for highest quality in the commercial-film production world.

The Special Effect:

When illuminated by UNILUX strobe lights, each frame of fast moving action is completely sharp. Each frame of the film is like a flashlight photograph. Every bubble in the champagne, every drop of a drink splashing into the glass, every corn flake falling into milk, the spray coming out when a beer can is opened - every movement is sharp and clear.

Exposure Time:

Every single frame has an extremely short exposure time of 1/100 000th of a second. The result is an overwhelming impression of crispness and depth of field.

Cool Light:

Ice and perishable subjects are not affected by high lamp temperatures. The Unilux is an absolutely cool light. Even if there is only a short distance between the light heads and the subject, there is no heat at all.

Color Temperature:

be obtained by using an 85 or 85B filter in front of the lights or in front of the camera.

Operating Voltage:

220V AC

Current Draw:

32Amp one phase

Additional Light:

The Unilux light can be used in combination with normal tungsten light or with flicker free HMI lights.

Light output:

ca. 13 Watt/sec per flash

When using a 400 ASA film and having a distance of 120cm between light head and object you will get in spot position:

- a) T-Stop 11,5 for frame rates between 10 & 120 fps
- b) T-Stop 11,2 for frame rates between 120 & 240 fps
- c) T-Stop 8,4 for frame rates between 240 & 360 fps
- d) T-Stop (5,6),8 for frame rates between 360 & 500 fps



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Cameras which can be synchronised to the Unilux:

The following cameras can be fitted with a triggering adaptor to drive the strobe lights:

- a) Arriflex III
- b) Arriflex 435
- c) Arriflex SRIII Highspeed
- d) Photosonics AM500
- e) Photosonics 4ER
- f) Mitchell R35 with Fries motor
- g) Milliken DBM 55
- h) Image 300
- i) Panastar

Flash Rates:

Up to 650 flashes per second are possible. If the camera is fitted with a rotating mirror for the viewfinder the flash rate is twice the frame rate - one flash to exposure the film, the second flash visible in the viewfinder. The maximum speed for such cameras is therefore 325fps.

Cameras with beam splitter viewfinders or prism viewfinders need only one flash for each frame and can thus be used for film speeds up to 650fps (e.g. all Photosonics cameras).

Lightmetering:

Only flashmeters can be used for light metering. Our rental equipment includes a Minolta Flashmeter.

Our technician will be glad to explain how it works to clients who are not familiar with it.

Stands:

The light heads can be mounted on standard 2 KW stands. However these are not part of the rental package.



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