



## ***HIGH-S-LIGHT 575 BOOST-SYSTEM***

*Lighting Equipment for High-Speed-Photography*

Due to the use of modern techniques the system offers

- High luminous efficiency of up to 100 lm/W
- Daylight colour temperature of 5.600 to 6.000K
- Flicker-free light, Modulation  $\pm 1\%$
- High illuminance due to the BOOST-SYSTEM
- Low heat radiation due to the spectral distribution of the lamp and the Standby Mode
- Stabilized power output, even when mains varies

The HIGH-S-LIGHT 575 BOOST-SYSTEM is a special design to match the requirements of illumination for High-Speed Photography.

Especially it was developed to illuminate details and small areas from long distances or with a high illuminance. But a arrangement of several units can also be used for enlarged areas, so for example on Air-Bag test stands.

The Luminary is equipped with a 575W single ended metal halide lamp and a special igniter to start the lamp.

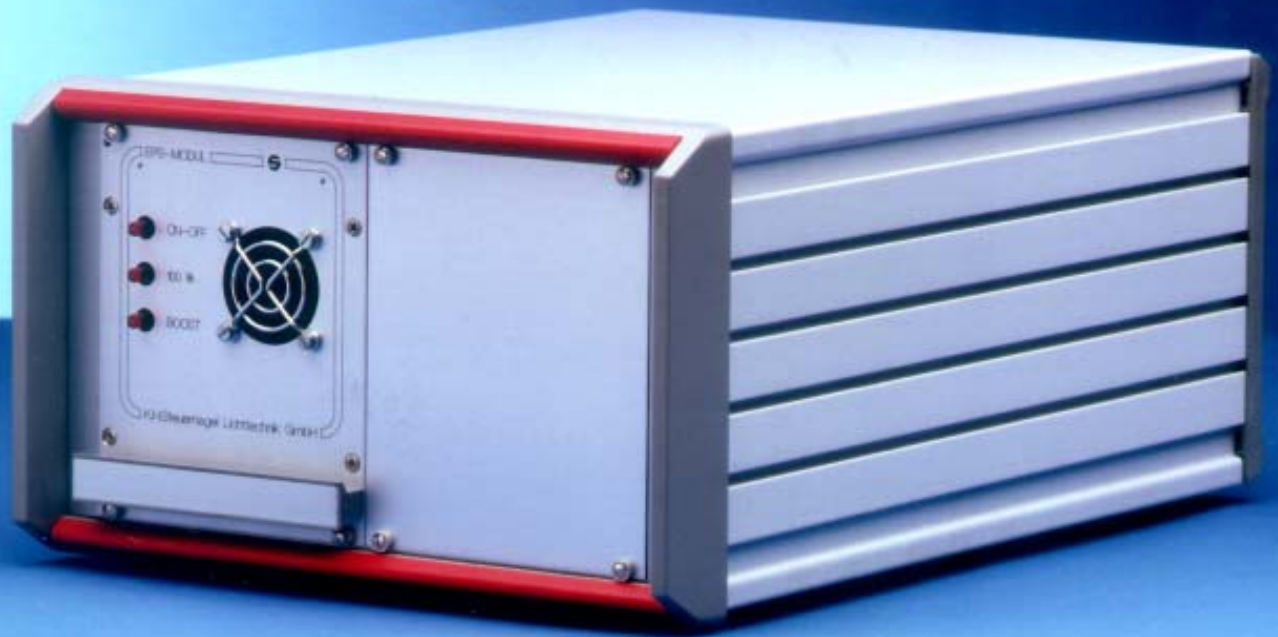
The optical system is based on a high efficient short focus parabolic reflector. Within this system the lamp could be mechanical adjusted.

During its lifetime the lamp will loose about 0,5K/h on colour temperature. The average lifetime of the lamp is 750 hour or 1.600 starts.

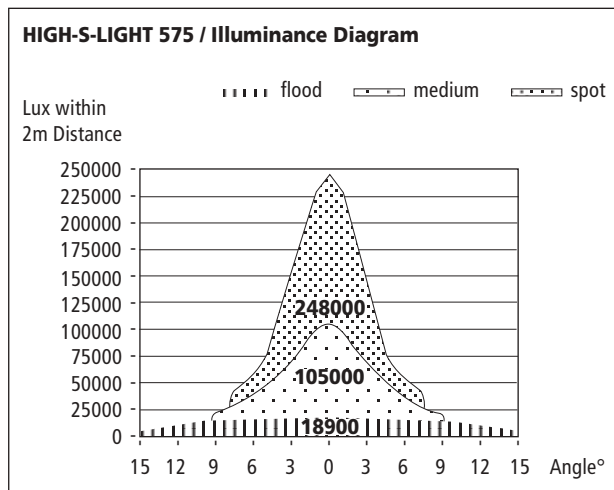
The lamp is operated by an electronic power supply, the EPS-Modul 575. It drives the lamp with square-wave current and controls the power. This reduces the modulation of the light current to less than  $\pm 1\%$  and allows flicker free pictures.

**khs**

K. H. Steuernagel Lichttechnik GmbH



Due to its Standby and Boost modes, it offers low heat loads along with a high luminous efficacy.



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### Technical Informations

#### Luminary

Lamp power	575W
Colour temperature	5.600 to 6.000K
Luminous efficacy	85lm/W (nominal)
Illuminance	250.000 Lux Spot/18.000 Flood within 2m distance
Half-maximum angle	10° Spot/30° Flood
Average lifetime of the lamp	750 h/1.600 starts
Dimension	ø
Weight	4,5kg

### Technical Informations

#### Power Supply

Mains	90-264V/47-63Hz 1PH/N/PE
Operating Conditions	0 to +30°C no dew
Protective measures	open circuit control over temperature protection
Output power	340 to 800W
Shape of curve	square-wave, bipolar
Light modulation	± 1%
Efficiency	83%
Weight	3,5kg