



Niethammer

ENIFLOOD 1000 S

LED

Fill Lights

220 Watt LED-Engine

White light 3000K/4000K/5000K

Reflector for soft and even lighting

Fanless Technology and no noise

Like a 1500/2000 Watt-Tungsten Fill Light

Made in Germany



Application of the ENIFLOOD

LED-Fill Light for soft and even lighting.
Creating a diffused, homogenous light for
large and small theaters and concert halls,
perfect from 5 - 12 meters,
manual- or DMX-controlled,
"Hold"-Function for last DMX value

Optical System:

Half-peak-angle: 50 degrees
110 degrees



Axial luminous intensity: > 30.000 cd
> 1200 lux in 5m

Housing and Controll signals

Robust metal housing, Aluminium heatsink
8 Heatpipes without fans
Powder-coated and matt black painted,
Accessory for inserting Filter frame and safety glass,
Electrolytic polished and anodised high purity
aluminium reflector,
DMX512-A, DMX512/1990, DMX DIN 56930-2,
(Dali Version on request),
works with PWM and/or "Current"-Control



The Advantages at a glance

Long service lifetime up to 50,000 hours (L90;B10)
Integrated temperature monitoring of the LED-modules
Highly efficient, up to 150 Lumen per watt
Narrow color tolerance, Excellent color rendering
State-of-the-art COB-technology for homogeneous lighting
Polished aluminium-reflector for soft and even lighting
Completely passively cooled, no disturbing noises or vibrations



Power supply:

90 to 264 Volts, 50/60Hz with Powercon-True 1 Connector,
2,5m cable, max. power 250 Watt

Dimensions:

WxHxL in mm: 320 (420 with handle) x 380 x 167
Weight: 6,8 kg



What you can expect

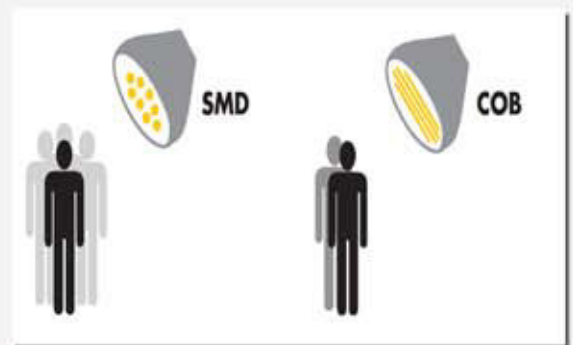
The ENIFLOOD uses LED-Modules from a well-known German manufacturer with high demands in terms of quality, sustainability and life cycle management. Follow this, the user has the advantage of a 5-year-guarantee for the LEDs.

The installed LED-Modules provide the evidence about the photo-biological safety (DIN EN 62471). This gives you the high degree of security providing a safe working environment to your employees, highlighting all those hidden obstacles that is not provided with other systems.

COB (Chip-on-Board) Technology

The "naked" PCB without a casing is directly applied to the substrate, a process that enables much denser LED arrays in comparison to the most used SMD-technology of other competitors. The great advantage of COB modules is the highly homogeneous light they emit. That means a consistent light beam is given off, without any visible individual light points.

Together with our special designed reflector, the result is a homogeneous light emitted, unaffected by multi-shadows.



Clear contours thanks to homogenous light

A very long lifetime is a point of ours

To have only the information about the lifetime of the LEDs is not enough. Among other factors, the failure rate and decrease in luminous flux over the service life determine the quality of an LED module.

Due the chemical and physical changes, LED modules lose some of their luminance over their service life. This process is known as degradation. Which there are the effect of ageing and the total failure of LEDs.

Using our LED modules under full load, 30.000 hours (app. 15 years), 90% (B10) of the LEDs will still have a minimum of 90% (L90) of the luminance. If you're working with a lower load, you will have 50.000 hours with L90/B10.

Thanks to this extremely stable operating behaviour of the modules, savings can already be made while planning your lighting system since the failure rate and ageing factor are almost impossible. The decrease in luminous flux of modules from our competitors are more affected by degradation is usually compensated for by increasing the number of the modules during the planning stage. However, this also raises overall energy requirements.

The investment will pay for itself

Using fill lights in theaters, city halls or concert halls you will have more than 10 operating hours daily on average. 200 days a year, following the example in Germany, paying .20 Euro Cents per kWh of electricity you can do a simple calculation for the costs and potential energy savings:

Tungsten Fill Light with 1500 Watt: 3.000kWh = 600 Euro

ENIFLOOD 1000S with 250Watt: 500kWh = 100 Euro

There is a potential for savings of 500 Euro per year with each ENIFLOOD.

- You are able to reduce the energy costs for a stage lighting with 20 Fill Lights from 30 kW to 5 kW.
- You don't need dimmers
- You can control each Fill Light individual
- You need only one power cable for up to 12 ENIFLOOD
- You have no more angry actors, musicians and stage workers from an overheated stage
- You never have to change defective lamps
- You can save more than 10.000 Euro per year in energy costs

