

# SMD LED LIGHTS

Variled 1000 Mod.501

Variled 500 Mod.511





# CRI95

## JAPANESE SMD LEDs

We have used the best Japanese SMD LEDs in order to build high quality LED Lights with CRI of 95 for Cinema productions.

## VERY POWERFUL

We have chosen the most powerful SMD LEDs. That's why TRE-D LED lights have more lighting intensity with much less power consumption comparing to common LED lights.

## 2-YEAR WARRANTY

Our products carry 2-year warranty. We have all spare parts and products in stock for immediate repair or exchange.

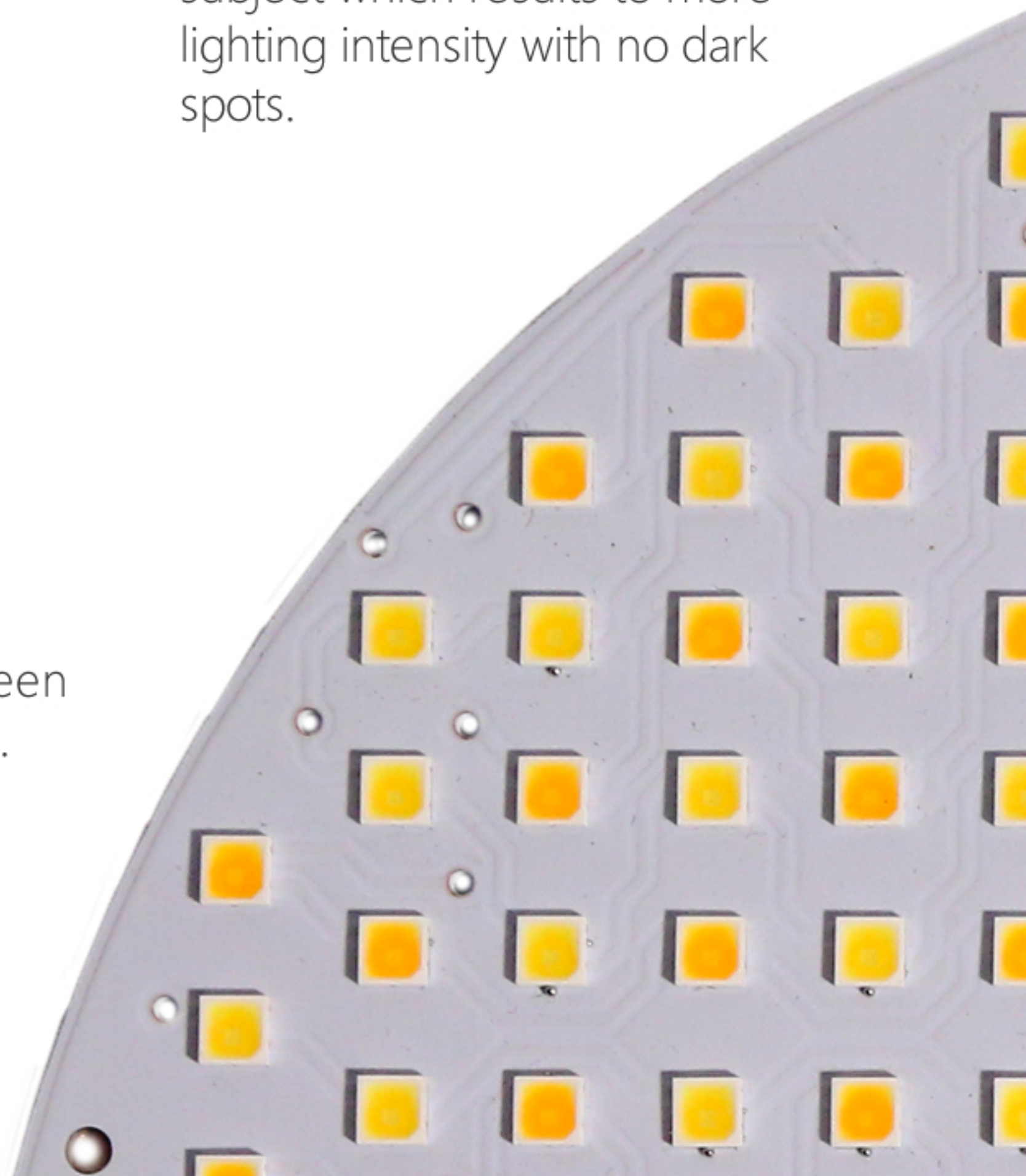
\*Sekonic C700R and L858D have been used for the lighting measurements.

## LOW HEAT

SMD LEDs cannot be easily overheated so you can use them in harsh environments with high temperatures.

## 120° LIGHT BEAM

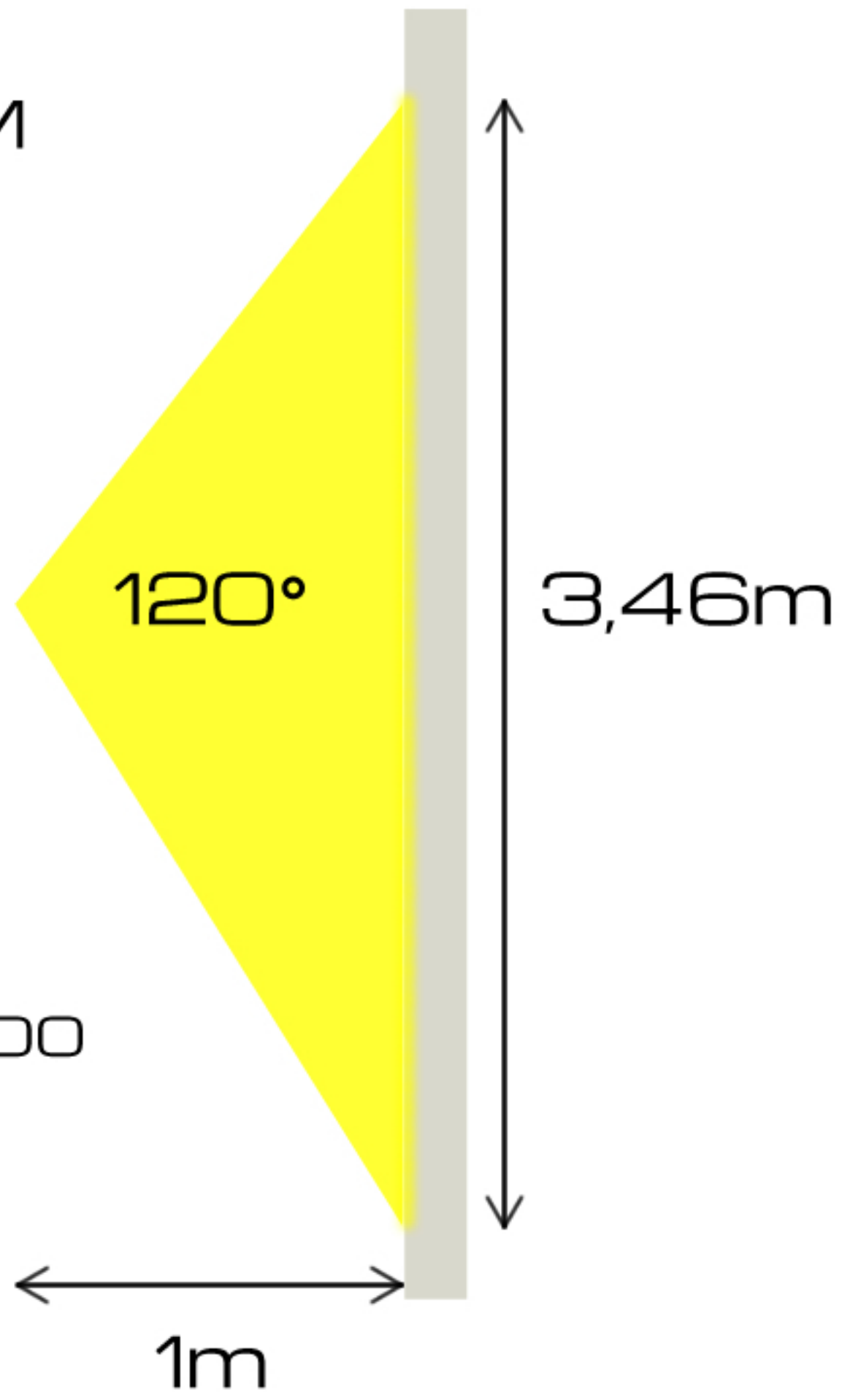
We have selected SMD LEDs with 120° light beam for more light coverage and efficiency than common 60° or 45° LED lights. TRE-D LED lights allow you to come closer to your subject which results to more lighting intensity with no dark spots.



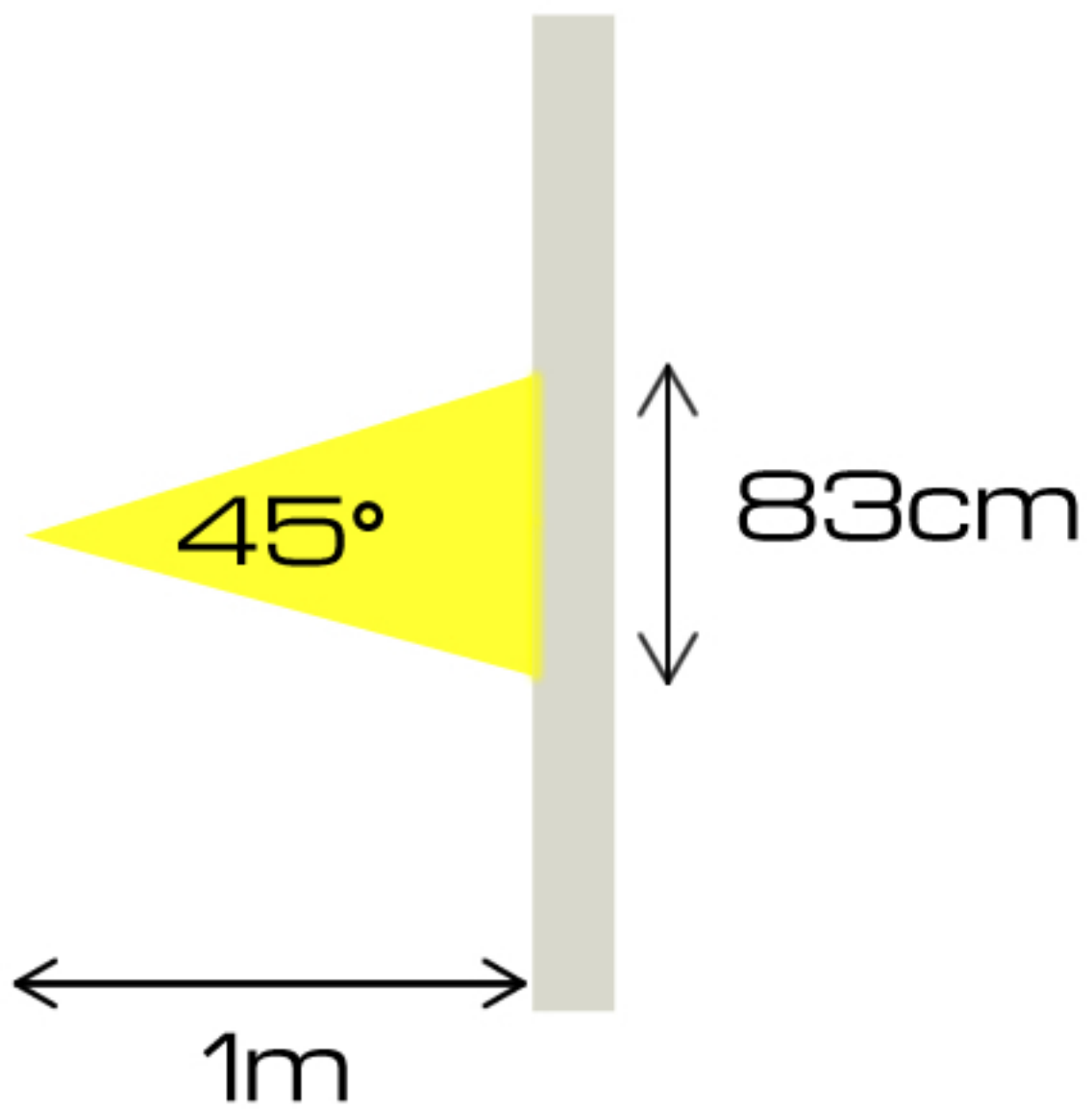
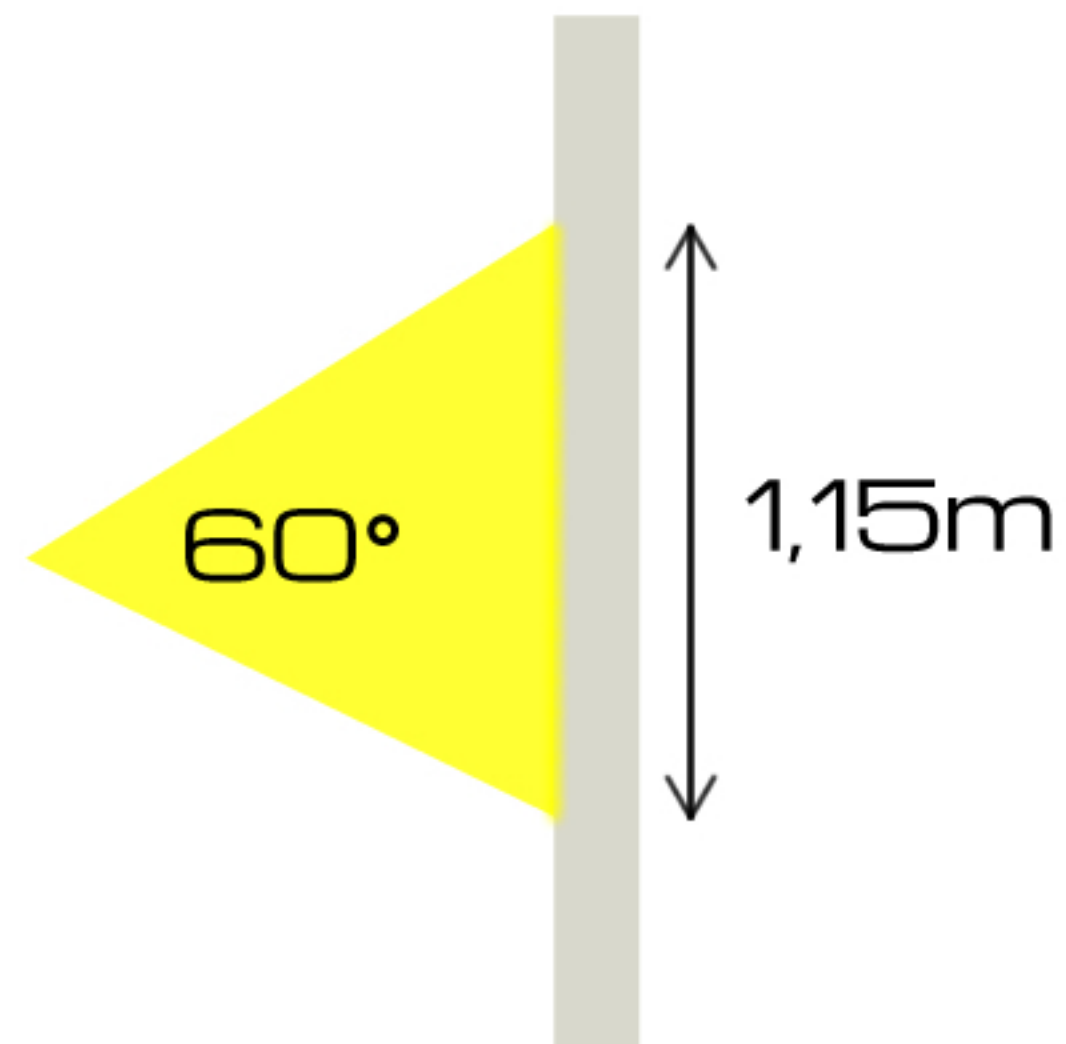
## LIGHT BEAM Diagram



Variled 10000



Common  
LED Lights





# ALUMINUM

## PC-BOARD

For more lighting efficiency we have used high quality LED PC-Boards with advanced electronic circuits. Extra holes on the PC-Board are used for better cooling.

## BODY

Our Light bodies are made of high quality lightweight aluminum. We have used this material for better cooling and durability.

## HEAT SINK

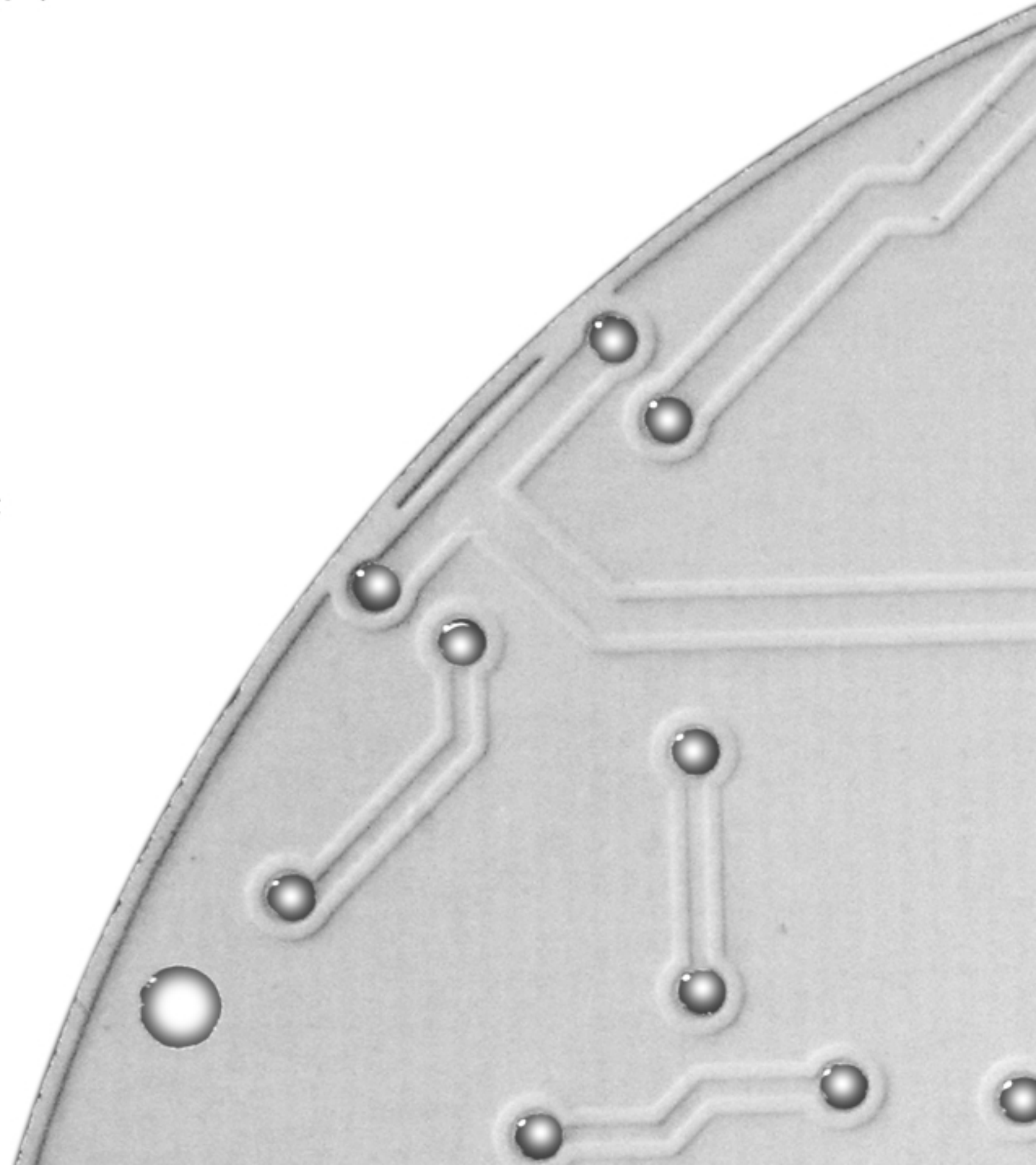
We have used specially designed 150mm and 104mm high quality lightweight aluminum heat sinks which are connected directly to the aluminum body of the LED light. Heat sink and LED light, as one body, let the heat pass to the environment much easier.

## SILENT OPERATION

TRE-D LED lights have silent operation as they don't need any fans for cooling. So, they are ideal for interviews and conferences.

## LIGHTWEIGHT

Our LED lights are very light and portable. We have used Lightweight and durable materials such as Aluminum and Copper. TRE-D lights weigh less than half of the common LED1000 panels.



# BATTERIES

## 7-16V DC INPUT

TRE-D LED Lights accept 7-16V DC input Voltage. In that way you can use all kind of Professional Batteries. Such as 14.8V V-Lock and G-Lock Batteries, 7.2V NP-F batteries and all kinds of 12V input sources.

## POWER ADAPTERS

You can connect many kinds of power adapters to the 4-pin XLR Connector. We supply adapters for Dual or single 7.2V NP-F batteries and adapters for 14.8V V-Lock Batteries. Also, we supply D-TAP power adapter in order to use V-Lock or G-Lock batteries directly, without the need of expensive battery plates.

## PROTECTION

The Dimmer of our LED lights has an electronic circuit which protects the light from sources with opposite polarity. In case you use source with opposite polarity the light will just not power on, without resulting to any kind of LED damage.

## 4-PIN XLR

We have chosen the professional 4-pin XLR connector. By using this connector you can connect many input sources to power on our LED lights.

## POWER SUPPLIER

You can even use our power supplier with XLR connector to power on TRE-D LED lights from AC plug. It is a Class-I adapter with grounding for voltage protection.





# BOOST

## POWER BOOST

The Dimmer has a Boost switch for extra lighting intensity. When BOOST is enabled you get the most from your TRE-D LED light. When BOOST is disabled there is less power consumption and you get more operating hours. This is important, especially for smaller batteries.

## 2 MODES

Dimmers of the Bicolor LED lights usually have 2 controllers. The first one controls the color temperature and the second one the lighting intensity. Some other dimmers have the first controller to adjust the intensity of the warm lighting and the second one to adjust the intensity of the cool lighting. We have both modes in one dimmer! You can choose which mode you want to use with just a push of a button.

## STABLE LIGHTING

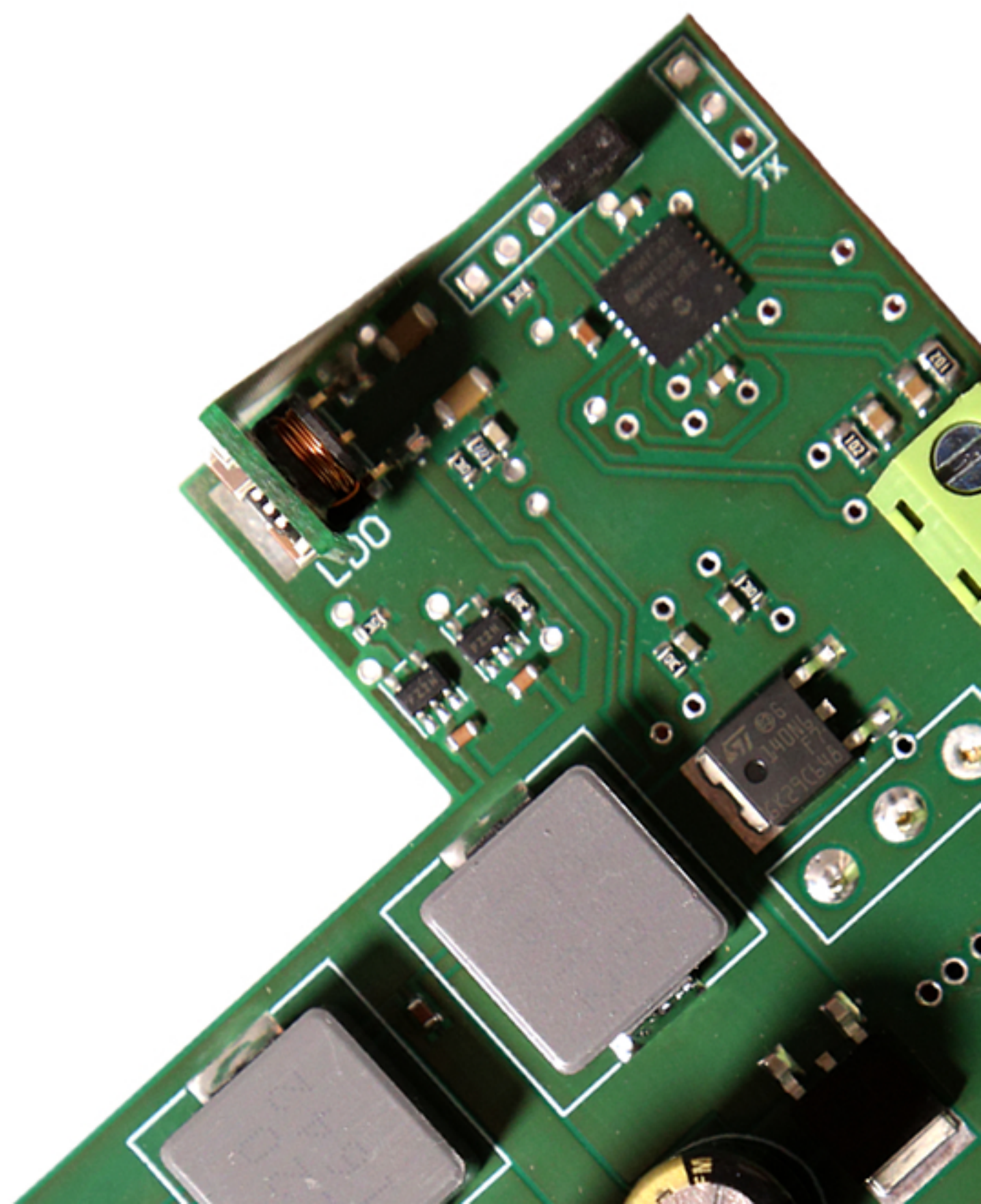
We have used an advanced electronic circuit in order to protect the LED light from power drops. So, even when the Voltage of the battery is dropping, the lighting intensity remains the same until the battery runs out.

## BICOLOR COOL WARM

We have full range of LED Lights. Bicolor, Cool and Warm Lights. With Bicolor light you can change the color temperature from warm to cool by using our advanced dimmer. For cool or Warm lights you can use the TRE-D color filters.

## FLICKER FREE

Our LED Lights are flicker-free. We have used a Cinema slow motion camera and tests were made in all steps of shutter speed up to 1/10000 and all steps of frame rate up to 800fps!





# MORE

## MOUNTS

We supply clamps in order to attach the battery adapters and the dimmer on light stands. The LED light body has a yoke metal base that is easily attached to a 16mm spigot.

## 3.5M CABLE

Most of the dimmers are placed in the light body, which makes the access to the controls impossible, when a 3.5m light tripod is used. Our dimmer is placed on the cable which has 3.5m total length. Measuring from the light body to the dimmer, cable length is 2m. So, the dimmer will be at 1.5m height when a 3.5m tripod is used. TRE-D power supplier is equipped with an extra 1.5m cable.

## HIGH QUALITY MATERIALS

All the materials that have been used to build the TRE-D high quality LED Lights are made in Europe and Japan.

## 1/4" THREADS

We have used 1/4" threads to most of our power adapters and our dimmer. So you can easily attach them on tripods, mounts, clamps or brackets.

## BARNDOORS SOFTBOXES

We build high quality 4-leaf barndoors and softboxes with metal mounting. They are attached directly on the light body. Also we can supply diffuser, warm and cool acrylic filters for our LED lights.





# SPECS

## VARILED 1000 Mod.501

CRI: 95  
 Material: Aluminum  
 Cable Length: 3.5m  
 Connector: 4-Pin XLR Male  
 Voltage: 7-16V DC  
 Light Beam: 120°  
 Operating Temperature 0° to 40°  
 Mount: Spigot 16mm  
 Weight: 1.5KG  
 Dimensions: 21x28x15.5cm  
 Warranty: 2 years



### Mod.501C - Cool LED

BOOST	LUM	LUX @0.6m	LUX @1m	LUX @2m	LUX @3m	Consumption	with 95Wh Battery
BOOST ON	140347	10347	3725	931	414	82Watt	1h 05min
BOOST OFF	114538	8444	3040	760	338	66Watt	1h 30min

### Mod.501W - Warm LED

BOOST	LUM	LUX @0.6m	LUX @1m	LUX @2m	LUX @3m	Consumption	with 95Wh Battery
BOOST ON	126595	9333	3360	840	373	82Watt	1h 05min
BOOST OFF	103235	7611	2740	685	304	66Watt	1h 30min

### Mod.501B - Bicolor LED - Light temperature adjustments from Warm to cool

BOOST	LUM	LUX @0.6m	LUX @1m	LUX @2m	LUX @3m	Consumption	with 95Wh Battery
BOOST ON	133376	9833	3540	885	393	82Watt	1h 05min
BOOST OFF	109263	8056	2900	725	322	66Watt	1h 30min

## OPTIONAL ACCESSORIES



501.200



501.100



501.500



501.300

501.400



501.600



501.700



501.800



# SPECS

## VARILED 500 Mod.511

CRI: 95  
 Material: Aluminum  
 Cable Length: 3.5m  
 Connector: 4-Pin XLR Male  
 Voltage: 7-16V DC  
 Light Beam: 120°  
 Operating Temperature 0° to 40°  
 Mount: Spigot 16mm  
 Weight: 0.98KG  
 Dimensions: 15x20x11cm  
 Warranty: 2 years



### Mod.511C - Cool LED

BOOST	LUM	LUX @0.6m	LUX @1m	LUX @2m	LUX @3m	Consumption	with 95Wh Battery
BOOST ON	84208	6208	2235	559	248	54Watt	1h 45min
BOOST OFF	68723	5066	1824	456	203	35Watt	2h 40min

### Mod.511W - Warm LED

BOOST	LUM	LUX @0.6m	LUX @1m	LUX @2m	LUX @3m	Consumption	with 95Wh Battery
BOOST ON	75957	5600	2016	504	224	54Watt	1h 45min
BOOST OFF	61941	4567	1644	411	182	35Watt	2h 40min

### Mod.511B - Bicolor LED - Light temperature adjustments from Warm to cool

BOOST	LUM	LUX @0.6m	LUX @1m	LUX @2m	LUX @3m	Consumption	with 95Wh Battery
BOOST ON	80026	5900	2124	531	236	54Watt	1h 45min
BOOST OFF	65558	4834	1740	435	193	35Watt	2h 40min

## OPTIONAL ACCESSORIES



511.200



511.100



511.500



511.300

511.400



501.600



501.700



501.800



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