



User Manual: Squareled Mephisto

Manual | Mephisto

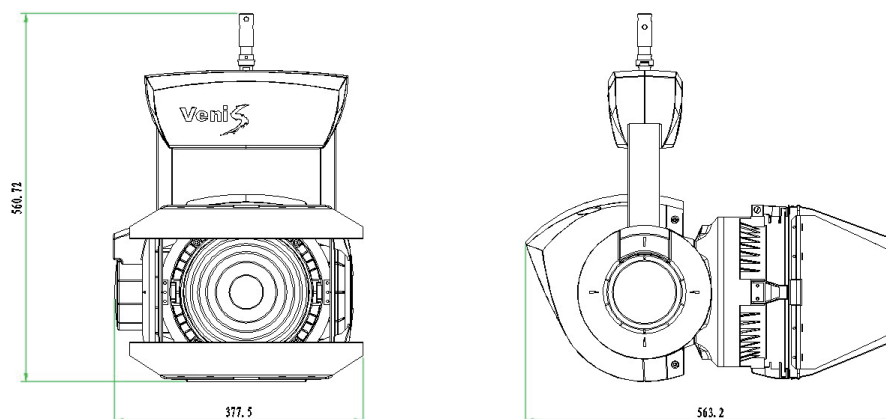
Main Features

- » Take high CRI performance LED as the lighting source, meet the requirements of the professional photograph and shooting.
- » LED module in round shape and imported Fresnel lens make smooth and even beam and effects.
- » The dimming resolution can be up to 65536 level, the lowest lighting illumination is less than 1/10000 of maximum illumination, can realize a TLD (Tungsten-Like Dimmer) smooth dimming;
- » Adapt the seamless rotating system, realize the high precision rotating positioning; the precision is better than 6‰ degree.
- » Dimming PWM frequency can be up to 29kHz, strobe free.
- » Built-in DMX512 signal digital control with Art-net port can make lighting plot automation
- » Integrated by high quality aluminum castings with plastic shell the light body is attractive and handy, could effectively reduce the weight.

Specifications & technique index

1. Dimensions

Item	Model	Dimensions (mm)	Weight(Kg)
LED motorized fresnel spot	Mephisto100/200	564×378×561	9/10



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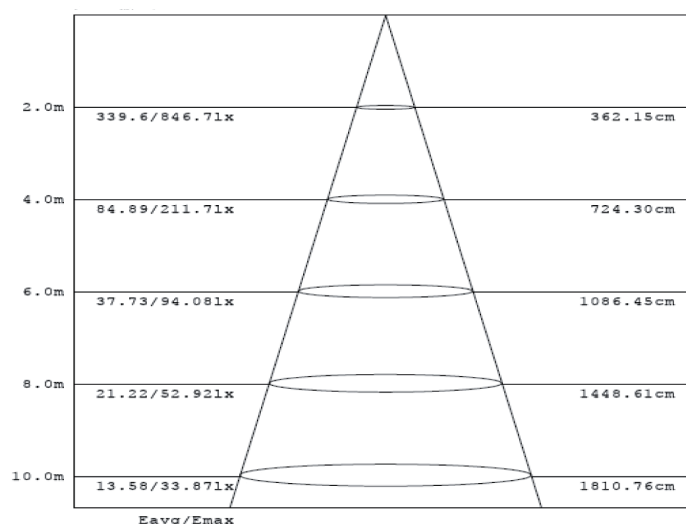
Technical Index

MODEL	Voltage Rating (V)	Efficiency Rating (Hz)	Consumption (W)	Current (A)	PF (λ)	Channels	Signal
Mephisto -100	~220v+10% Or 100~240v	50	100	0.6	≥0.9	9	DMX512
Mephisto -200		50	200	1.2	≥0.9	9	

MODEL	Chopping frequency (HZ)	mechanical overloading protection	Charged the precise return
Mephisto -100	29K	yes	yes
Mephisto -200			

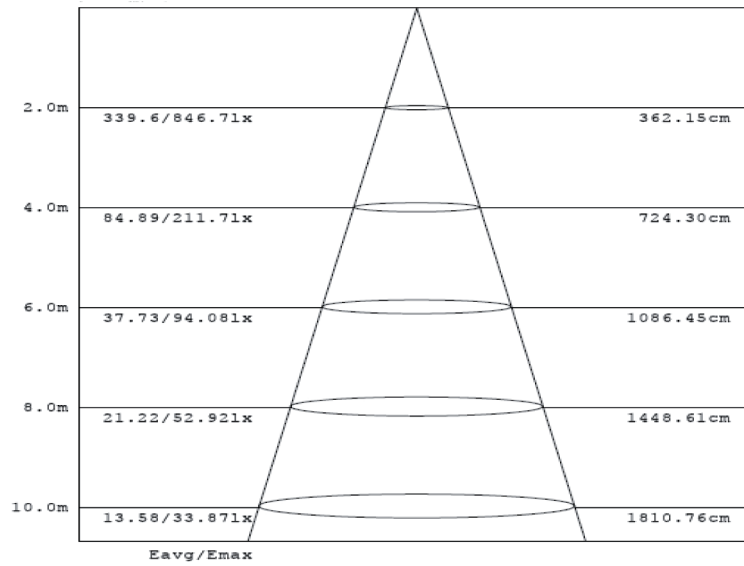
MODEL	Color temperature (K)	CRI (Ra)	Test distance (m)	Beam character	Center	Spot diameter (m) ±5%	Total light flux (lm)
Mephisto -100	3050±150/ 5600±250	≥85	10	spot	>316	3.51	>1515
				flood	>31	17.1	>3367
Mephisto -200				spot	>707	3.29	>3165
				flood	>61	16.9	>6222

Light output diagram: Mephisto 100 spot

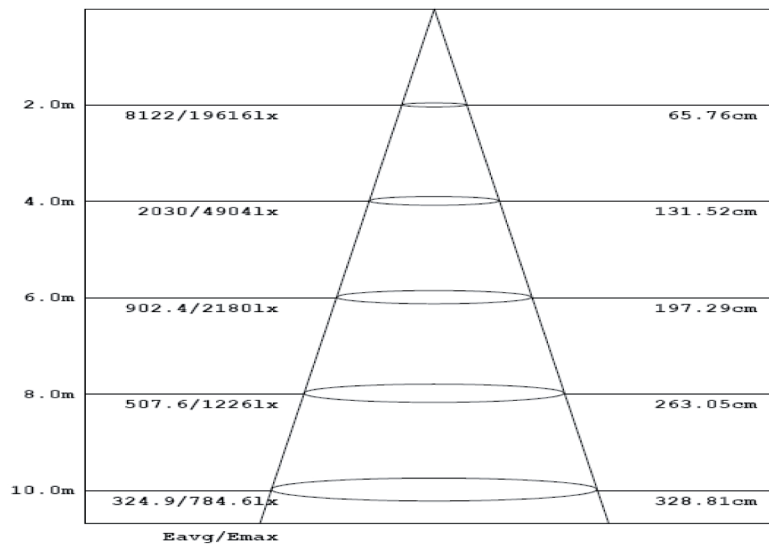


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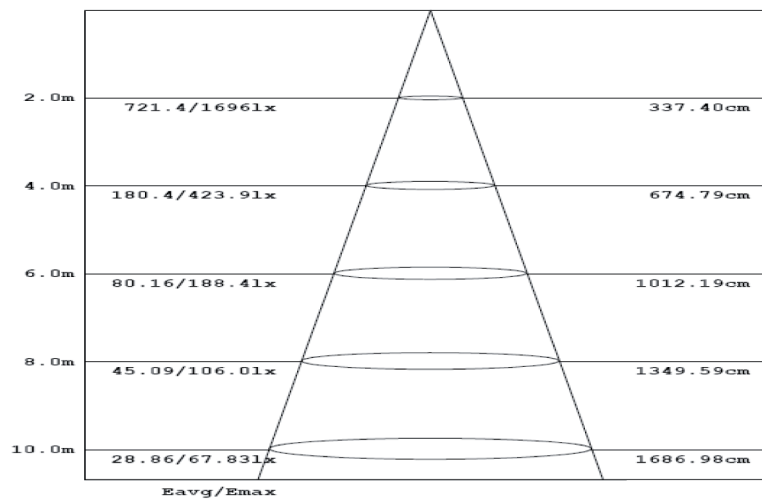
Mephisto 100 flood



Mephisto 200 spot



Mephisto 200 flood



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1. Unpack your order and before the installation, check the contents against the packing list to be sure the order is complete; check the accessories (including user manual, certificate of approval) of the fixture to be sure it is complete, and if there are physical damage or straw losing.
2. Please ensure that the marked voltage rating on fixture is consistent with the local voltage.
3. Link the handle and the fixture as the figure instructed.
4. The communication port of DIMX512 shall be connected with the matched connector.

5. Operation method:

Control mode: Manual operation and Remote auto; When powered on , enter into main interface and the default remote auto work mode. To switch the two modes press the THIRD button from left to right below main interface. Manual shows manual control mode, then Auto shows auto work mode.

Light control interface includes position control interface and dimming control interface, the position control interface (shown as figure 1) is only effective for lights in auto control mode.

White light control mode interface (shown as figure2) is only effective for lights of white light dimming control mode. To switch the position control interface and dimming control interface, press the SECOND button from left to right below main interface(only effective for lights in auto control mode).

Position shows position control interface, then Dim shows dimming control interface.

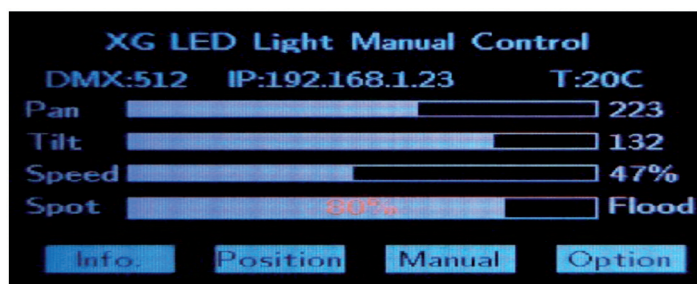


Figure 1

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Pan slider shows the level angle(0~360) ,TILT slider shows elevation angle(0~170), SPEED slider the allowed maximum speed in the process of operation, SPOT slider shows focusing control which can control the light spot. In manual control mode you can move the slider to adjust.



Figure 2

Dim slider shows the dimmer channel control instruction, In manual control mode you can move the slider to change dimmer channel control instruction, also can operate the two round button below this slider to realize: press "-" or "+" to realize slow action, press "-" or "+" for long time to realize quick action.

In figure 1, figure 2, the same part of the explanation: the first, DMX: on behalf of the DMX address, such as DMX 512 Indicating the lights DMX control address is 512. In auto control mode. When blink shows the correct DMX 512 signal; the second, IP: on behalf of the IP address, such as IP: 192.168.1.23 indicating the current IP address is 192.168.1.23, the third, T: on behalf of the temperature, such as T:50C indicating the current temperature is 50 degree. If the T color is red indicating the fan terminal drops. If the T: 0C indicating the temperature detection terminal drops.

Parameter configuration method: refer to figure 3, press "Option" to enter into parameter configuration interface, then press DMX address input box, pop up the soft keyboard input new DMX address, when finished press the input box again until the background is black, press OK to Complete the DMX512 address changes.



Figure 3

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6.The remote automatic control rules”

(1) DMX512control instruction format:

Item	Application	Channel No.
Dim	Dimming	1
Focus	Focusing	2
Pan	Level adjusting	3
Pan Low	Level fine tuning	4
Tilt	Mechanical tilt	5
Tilt Low	Mechanical fine tuning	6
speed pan	Level rotation speed	7
speed tilt	Tilt rotation speed	8
shutter	Strobing control	9

(2) Section channels introduction:

Strobing channel: (0--255)

Turn off (000--007)

Turn on (008--015)

Strobing (016--131)

Turn on (132--139)

Slow light almost out (140--181)

Turn on (182--189)

Faster on slow (190--231)

Turn on (232--239)

Random strobing (240--247)

Turn on (248--255)

7.Before transport the light side should be locked to prevent the damage, when used the lock should open up, Otherwise after electric it will display prompted to unlock button. According to the prompt, open the lock, on electricity again.

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Notes

1. The operation environment of the fixture should be water-proof, no-gas and in-door.
2. The fixture is specific professional fixtures for stage lighting only.
3. Once there is external cable or wire in damage, please contact the manufacturer or the A/S agency to make the maintenance to avoid the danger.
4. The minimal limited distance between the fixture and inflammable materials is 0.5 meter.
5. The external cable is 3P: L-red; N-blue; Ground-yellow & green.
6. The light source damaged, should be replaced by manufacturer to avoid danger.

Warning

As the lens is in visible damages, such as crack or gash, the user shall replace it by the spare part timely.

The replacement of LED module shall be operated by the professionals.

Packing list

- | | |
|----------------------------------|---------|
| 1. Mephisto -100/200 | 1 piece |
| 2. Four-leaf barndoor, safeguard | 1set |
| 3. DMX512 cable | 1 piece |
| 4. Product certificate | 1 piece |
| 5. Product user manual | 1 piece |



Das Lichttechnikhaus Vertriebs GmbH

Rudolf-Diesel-Str. 3, D-89312 Günzburg

Telefon +49 (0) 82 21 207 98-0

Fax +49 (0) 82 21 207 98-69

E-Mail info@lth-gmbh.de

Web www.lth-gmbh.de