

RGB TL

LED Tube Light for photo and video



用户手册

User Manual

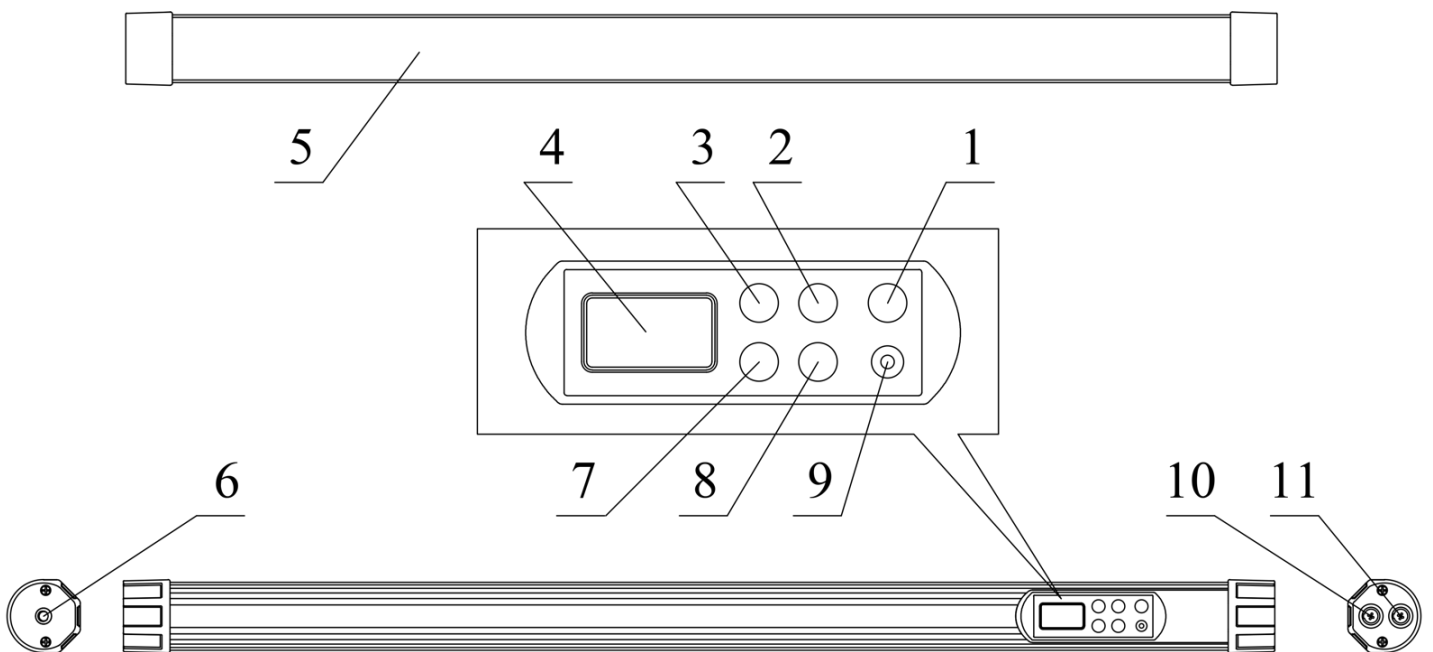
TL 系列全光谱 LED 摄影管灯使用说明书

感谢选用美图 TL 系列全光谱 LED 摄影管灯。

美图 TL 系列全光谱 LED 摄影管灯具有光线柔和，光效高，寿命长，色彩还原好等优点。同时具有多种特效功能，并可通过手机 APP 进行控制。

本灯可广泛应用于数码摄影及电影电视拍摄，演播室拍摄等摄影摄像创作中。

一. 产品结构



- | | | |
|-----------|-----------|------------|
| 1 开关按键 | 2 + 按键 | 3 模式按键 |
| 4 LCD 屏幕 | 5 柔光罩 | 6 1/4 寸螺纹孔 |
| 7 切换按键 | 8 - 按键 | 9 充电插孔 |
| 10 DMX 输出 | 11 DMX 输入 | |

二. 规格参数

型号	TL-X1	TL-X2	TL-X4
色温	2800K-8000K (红/绿)		
亮度范围	0%-100%		
输入	5V/2A	DC 24V/2A AC 100-240V 50/60Hz	
CRI	95+		
TLCI	97+		
输出功率	6W	18W	36W
控制	灯体控制, 手机 APP 控制, DMX 控制 (仅 X2,X4)		

照度@1m	150	435	742
遥控数量	可分 99 个组，每组可分 99 个灯		
电池	3.7V/2600mAh	14.8V/2500mAh	14.8V/5000mAh
LCD 屏幕	配备		
尺寸	41×278mm	41×645mm	41×1245mm
重量	240g	630g	1170g

三 . 使用方法

1 . 开关机

长按开关按键(1)约 2 秒，可开机，再次长按约 2 秒可关机。

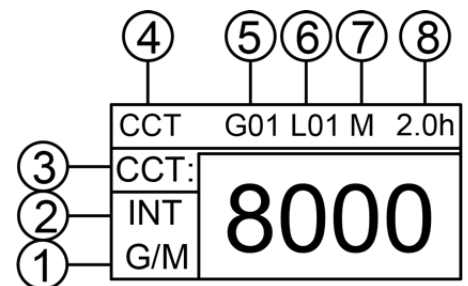
2.1 色温模式(CCT)

按动模式按键(3)，至屏幕左上角进入“CCT”色温模式。

按动切换按键(7)可选择屏幕参数。

按动+按键(2)或-按键(8)，可调整相应色温或功率。

- | | |
|----------|----------|
| ① 红/绿调节 | ② 功率显示 |
| ③ 色温显示 | ④ 菜单显示 |
| ⑤ 组号显示 | ⑥ 灯号显示 |
| ⑦ 主从模式显示 | ⑧ 电池电量显示 |



2.2 彩色模式(HSI)

按动模式按键(3)，至屏幕左上角进入“HSI”彩色模式。

按动切换按键(7)可选择屏幕参数。

按动+按键(2)或-按键(8)，可调整对应颜色,饱和度和功率

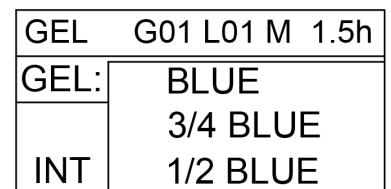


2.3 滤镜模式(GEL)

按动模式按键(3)，至屏幕左上角进入“GEL”滤镜模式。

按动切换按键(7)可选择屏幕参数。

按动+按键(2)或-按键(8)，可调整对应滤镜和功率。



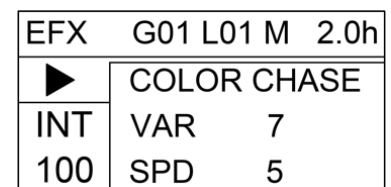
2.4 特效模式(EFX)

按动模式按键(3)，至屏幕左上角进入“EFX”特效模式。

按动切换按键(7)可选择屏幕参数。

按动+按键(2)和-按键(8)，可调整对应特效和详细设置。

按动切换按键(7)至三角形处,按动+按键(2)或-按键(8)可开始或停止特效。



2.5 设置模式(SET)

按动模式按键(3), 至屏幕左上角进入“SET”设置模式。

按动切换按键(7)可选择屏幕参数。

按动+按键(2)和-按键(8), 可调整对应详细设置。

组号：可设置各灯的组号。

灯号：可设置各灯的灯号，此灯即可形成自己的编号。

SET	G01 L01 M 1.5h
G#:	01
L#	
M/S	

主从模式：

主动模式(Master)：既可发射也可接收信号，实现同组灯光控制。当同组灯光中有参数调整时，可同步变更为相同参数。调节主灯时，同时发射信号，让其他同组灯光变为与之参数相同。

从动模式(Slave)：只可接收信号，接收同组灯发射的信号，实现同步。当同组灯光中有参数调整时，可同步变更为相同参数。

主从模式关闭:此时灯光既不接收也不发射信号。

DMX：可设置 DMX 地址。(仅 X2,X4)

语言：可选择屏幕所显示的语言。

恢复：可选择是否恢复出厂设置。

版本：显示当前产品的软件版本号。

2.6 电量显示

LCD 显示屏中有电量显示[®]，显示在当前功率下，预计可持续工作时间。如果可持续工作时间过短，请及时给产品充电。如果继续使用，当电池电量耗尽时，产品会自动熄灭。

3. 手机无线灯光控制 APP

请在 AppStore, Google Play Store 以及各个安卓市场搜索“Mettle lighting”以下载美图 METTLE 无线灯光控制 APP.或扫描右侧二维码以便捷进入下载页面。

您也可访问官网以查看最新 APP。

www.mettlecorp.cn/APP



4. 处置(寿命终止)

为了尽量减少对健康和环境的危害，并确保材料可以回收利用，本产品应在一个独立的收集设施中处理废弃的电气和电子设备。

四 . 注意事项

1. 请勿将灯体覆盖，影响灯体散热。
2. 保持清洁，擦拭时请关闭电源。
3. 使用完毕后，请将本灯置于干燥的地方。
4. 不要将本产品放置于阳光直射或高温,潮湿,多尘处,切忌使本产品受雨淋或水溅。
5. 请勿将溶剂、汽油、油漆及杀虫剂等用于本产品。
6. 请勿将金属物件插入灯壳内。
7. 请勿试图自行修理本产品。如有故障，请关闭电源并与经销商或本公司联系。

五 . 装箱单

- | | |
|------------------|-------------------|
| 1. 灯体 | 2. 说明书/保修卡 |
| 3. 电源适配器 (X2,X4) | 4. Type-C 充电线(X1) |
| 5. 收纳包 | |

六 . 故障分析及排除

在使用过程中，您可能遇到以下问题：

现象	原因	处理方法
打开电源开关无反应	功率显示 0%	按动+按键(2)调节功率
	电源适配器不匹配	使用匹配的适配器
	电池缺电	产品充电后使用
	电路板损坏	返厂维修
电池指示预计工作时间在高功率下减少，在低功率下增加。	产品内置芯片会根据实际耗电量实时调整预计工作时间。	正常
LCD 屏幕显示不全或无背光	LCD 屏幕损坏	返厂维修

FCC 声明：

本设备符合 FCC 规则第 15 部分。操作时需满足以下两个条件：

- (1) 本设备不得产生有害的干扰；
- (2) 本设备必须接受任何接收到的干扰，包括可能导致不希望操作的干扰。

警告：未经合规方明确批准的更换或修改可能会使用户失去操作设备的权限。

注：该设备已经过测试，符合 B 类数字设备的限制，符合 FCC 规则第 15 部分。这些限制旨在提供合理的保护，防止有害干扰的住宅安装。本设备产生和使用无线电频率能量，如果不按照说明安装和使用，可能会对无线电通信造成有害的干扰。但是，不能保证在特定的安装中不会发生干扰。如果该设备确实对无线电或电视接收造成有害干扰，可以通过关闭或打开设备来确定，则鼓励用户尝试通过以下一种或多种措施来纠正干扰：重新定向或重新定位接收天线。

增加设备和接收器之间的距离。

将设备连接到不同于接收器所连接的电路上的插座。

向经销商或有经验的无线电/电视技术人员咨询帮助。

FCC 辐射暴露声明：

该设备符合 FCC 规定的无控制环境下的辐射暴露限值。安装和操作该设备时，散热器与身体之间的距离至少为 20cm。

常州美图摄影器材有限公司

地址：江苏省常州市新北区新竹二路 98 号 213031

电话：0519-88820199 88820299

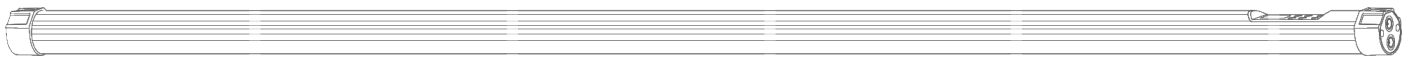
官网：<http://www.mettlecorp.cn>

传真：0519-88820399

电子邮件：mail@mettlecorp.cn

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LED Tube Light for photo and video



User Manual

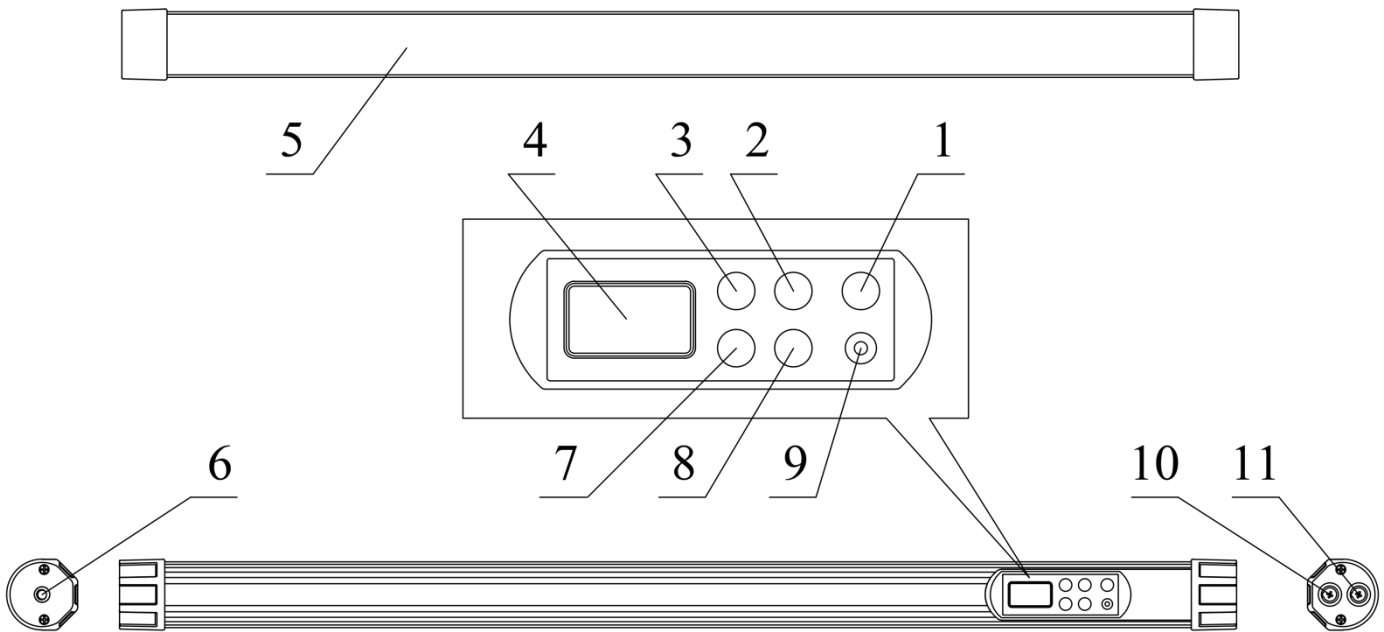
TL SERIES RGB LED Video Tube Light User Manual

Thank you for choosing Mettlelite TL series RGB LED tube light.

Mettlelite TL series RGB LED tube light has advantages of soft light, high luminous efficiency, long life, outstanding color rendition. Meanwhile it has a variety of effects function, and can be controlled by mobile phone APP.

The light is widely used in photography, film and TV shooting, studio video.

1. Product Structure:



- | | | |
|-----------------|------------------|-------------------|
| 1 Power | 2 Button + | 3 Mode switch |
| 4 LCD display | 5 Light diffuser | 6 1/4 inch thread |
| 7 Switch button | 8 Button - | 9 Power jack |
| 10 DMX out | 11 DMX in | |

2. Product Specification

Model Name	TL-X1	TL-X2	TL-X4
Color Temperature	2800K-8000K (G/M)		
Brightness Range	0%-100%		
Input	5V/2A	DC 24V/2A	AC 100-240V 50/60Hz
CRI	95+		
TLCI	97+		
Output	6W	18W	36W
Control	On-board, Mobile Phone APP, DMX (Only X2,X4)		
LUX @1 meter	150	435	742

Remote Channels	Up to 99 Channels. 99 Lights in each Channel		
Battery	3.7V/2600mAh	14.8V/2500mAh	14.8V/5000mAh
LCD Display	Available		
Dimension	41×278mm	41×645mm	41×1245mm
Net Weight	240g	630g	1170g

3. Method of Application

1. Operation

Long press the Power button (1) 2 seconds to turn on. Long press 2 seconds again to turn off. Short press Mode switch (3) to switch light mode.

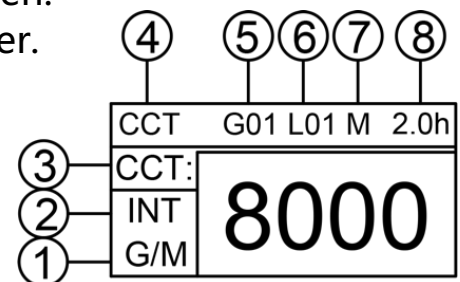
2.1 CCT Mode

Press Mode switch (3), enter CCT mode on the upper left corner of screen.

Press Switch button (7) to select parameter on screen.

Press Button+ (2) Button- (8) to adjust CCT or power.

- | | |
|---------------------|---------------------|
| ① Green/Magenta | ② Power |
| ③ Color temperature | ④ Mode – CCT |
| ⑤ Group number | ⑥ Light number |
| ⑦ Master /Slave | ⑧ Battery indicator |



2.2 HSI Mode

Press Mode switch (3), enter HSI mode on the upper left corner of the screen.

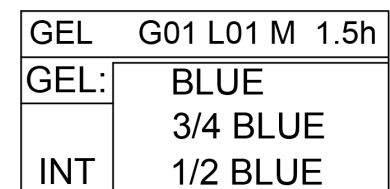
Press Switch button (7) to select parameter on screen. Press Button+ (2) Button- (8) to adjust Hue, Saturation and Intensity.



2.3 GEL Mode

Press Mode switch (3), enter GEL mode on the upper left corner of the screen.

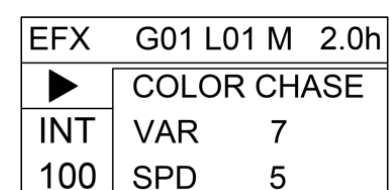
Press Switch button (7) to select parameter on screen. Press Button+ (2) Button- (8) to adjust the corresponding "GEL" mode and Intensity.



2.4 EFX Mode

Press Mode switch (3), enter EFX mode on the upper left corner of the screen.

Press Switch button (7) to select parameter on screen. Press Button+ (2) Button- (8) to adjust the corresponding "EFX" parameter.



2.5 SET Mode

Press Mode switch (3), enter SET mode on the upper left corner of the screen.

Press Switch button (7) to select corresponding parameter. Press Button+ (2) Button- (8) to adjust the corresponding parameter.

SET	G01 L01 M 1.5h
G#:	01
L#	
M/S	

G # Mode: Set Group No of each light.

L # Mode: Set light No of each light.

Master/Slave Mode

MASTER: Transmitter and receiver to control same group lights. When adjust light parameter in one group, can synchronously change all lights to the same parameter in the group. When adjust main light and transmitter in the same time, other group lights synchronously change.

SLAVE: Only receiver to control same group lights. When adjust Master light parameter in one group, can synchronously change all lights to the same parameter in the group.

NONE: When there is NONE Mode on the LCD display, means turn off Master/Slave mode.

DMX: Set DMX address.

LAG: Select system language.

RFD: Select whether to restore factory settings.

VER: Display the current system version.

2.6 Battery indicator

The LCD display shows battery indicator®. It shows the work time remaining under current power output. If remaining work time too short, please charge the light in time.

3. Mobile APP download.

Download mobile phone software "METTLE lighting" to control light.

You may simply search "METTLE lighting" on AppStore or Google Play Store to download the APP. Or you may scan the QR code beside to download the APP.

You can also visit our official website.

en.mettlecorp.cn/APP



4. Disposal (end of life)

In order to minimize hazards to health and the environment and ensure that materials can be recycled, this product should be disposed of at a separate collection facility.

4. Attention

1. Do not cover light body in case effecting thermal dissipation.
2. Keep clean, turn off the light when cleaning.
3. After using, keep the light in a safe and dry place.
4. Do not keep the light in sunlight or in high temperature. And do not expose the light in dripping or splashing.
5. Do not use solvents, gasoline, paints and pesticides in the product.
6. Do not insert metal objects into lamp housing.
7. Do not attempt to repair the light. If there are some problems, turn off the light and contact your dealer or our company.

5. In the Box

- | | |
|--------------------------|----------------------|
| 1. Tube Light | 2. User Manual |
| 3. Power Adapter (X2,X4) | 4. Type-C cable (X1) |
| 5. Carry Bag | |

6. Troubleshooting

When using this product, you may encounter the following problems:

Description	Cause	Trouble-shooting
No reaction after power on	Dimmer power on 0%	Adjust power
	Power adapter not match	Use standard adapter
	Low battery	Recharge before use.
	Circuit board damaged	Return to factory repair.
Battery power test Inaccurate when power switch is on Display low battery when you increase the brightness, Display high battery when you lower brightness	Battery capacity shown indicated the length of time available for use in the current luminance; A high luminance requires more power and shortens the length of time available for use, so the battery capacity shown is lower.	Normal
LCD display incomplete or backlight off	LCD display damage	Return to factory repair.

FCC STATEMENT :

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

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