

**DSC4LMC** (Product No.: 202100080201 )

## Product Features

- DALI Digital control input, Dimming control LED module
- Addressing output channel
- Dimming range is from 0.4-100%
- Used for DC Power supply
- Short circuit protection, Over load protection
- Security level : 2
- Four channels 6-42VDC constant current output



Application



Downlight



Panel Light



Spotlight



Ceiling Light



Decorative Light



Floor Light

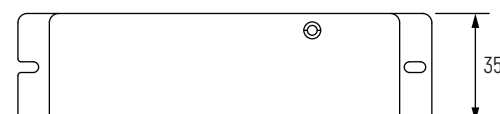
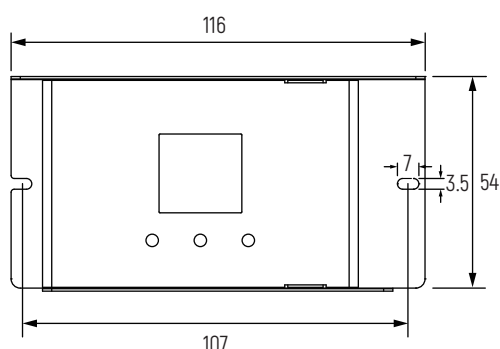


Flood Light

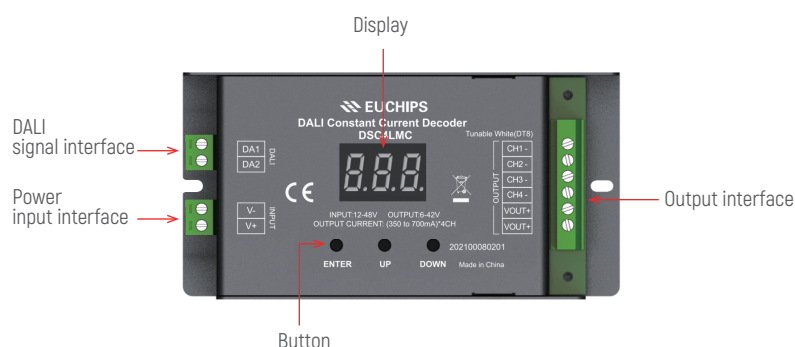
## Technical Parameters

| Model      | DSC4LMC                |                                                                                              |
|------------|------------------------|----------------------------------------------------------------------------------------------|
| Input      | Efficiency             | 93%@48VDC, Full load                                                                         |
|            | Voltage                | 12VDC-48VDC                                                                                  |
|            | Standby power          | <0.5W                                                                                        |
| Output     | Current                | 350/400/450/500/550/600/650/700mA                                                            |
|            | Voltage                | 6-42VDC                                                                                      |
|            | Power                  | 120W (Max)@48V input 4 channel Full load                                                     |
|            | Channel                | 4                                                                                            |
|            | Current Tolerance      | ±5%                                                                                          |
|            | No load output voltage | 42V Max                                                                                      |
| Function   | Dimming Type           | DALI                                                                                         |
|            | Dimming Range          | 0.4%-100%                                                                                    |
| Protection | Short Circuit          | Shut down the output, recovers automatically after fault removed                             |
|            | Over Load              | The output current decreases and, recovers automatically when the load is reduced            |
| Others     | Working Temp.          | -20°C~50°C                                                                                   |
|            | IP Rating              | IP20                                                                                         |
|            | Lifetime               | 50,000h@tc:75°C                                                                              |
|            | Warranty Condition     | 5 Years                                                                                      |
|            | Switch Cycle           | >25,000 times                                                                                |
|            | Packing(weight)        | Net weight: 230g±5%/PCS; 50PCS/Carton; 11.5kg±5%/Carton; Carton Size: 301*257*215.5mm(L*W*H) |
|            | Dimension              | 116*54*35mm (L*W*H)                                                                          |

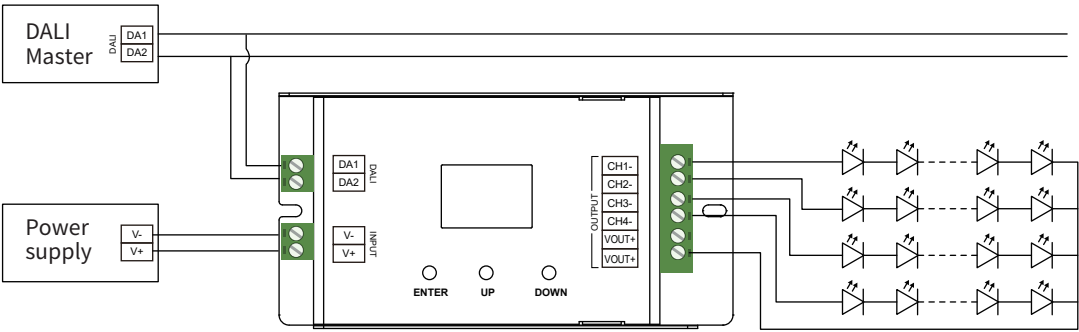
## Dimension(mm)



## Interface Description



DALI Wiring



The description of fuction button

1. The three buttons are

|       |                                               |
|-------|-----------------------------------------------|
| Enter | Enter Button                                  |
| Up    | Move the up, change the state of the option   |
| Down  | Move the Down, change the state of the option |

2. Power on is in free mode , 'Current Output Mode' and 'Current setting' are flashing.

3. Mode setting 'PPP'

- P-1: four DT6 addresses , four channels output , four LED light fittings can be connected-----DT6 LED mode.
- P-2: four DT6 addresses,four channels output,color temperature mode , two tunable white light fittings can be connected. -----DT6 color temperature mode.
- P-3: Two DT8 addresses,four channels output, two tunable white light fittings can be connected.-----DT8 color temperature mode.

4. Long press 'ENTER' for 3s to set output mode,choose 'UP'or'DOWN'to select 'output mode setting'or'output current setting'. 'PPP/CCC' Short press 'ENTER' to enter  
There will be a number flashed from 1 to 8 when select different modes,then the device will be restarted.  
Long press 'ENTER'key to exit the setting mode and enter the free mode.

5. Current setting 'CCC'

350 400 450 500 550 600 650 700

6. After the mode is switched,you need to search the addresses again.

Installation Notes

1. This controller is a buck type, not a boost type.The input voltage is supplied by a constant voltage power supply with appropriate power. The output voltage of the constant voltage power supply should be in the range of 12 - 50V, such as 12V, 24V, 36V and 48V. At the same time, the voltage of this constant voltage power supply should be at least 6V higher than the service voltage of the lamp connected to the controller's output terminal. If the service voltage of the lamp is 9V, then the constant voltage power supply should be 24V, 36V or 48V, such as 36V, the constant voltage power supply should be 48V.
2. Do not overload
3. Installed in a ventilated and dry environment
4. Before commissioning of the power  
, should ensure that all wiring is correct before electricity
5. If failure, do not secretly maintenance, please contact the supplie

※ The contents of this manual are updated without prior notice. If the function of the product you are using is inconsistent with the instructions, the function of the product shall prevail.Please contact us if you have any questions .

DSC4LMC (产品代码:202100080201)

- DALI 数字控制输入，调光控制 LED 模块
- 寻址输出通道
- 调光从 0.4-100% 的范围内
- 适用于直流电源
- 短路保护，过载保护
- 安全等级 2
- 4 通道 6-42VDC 恒流输出



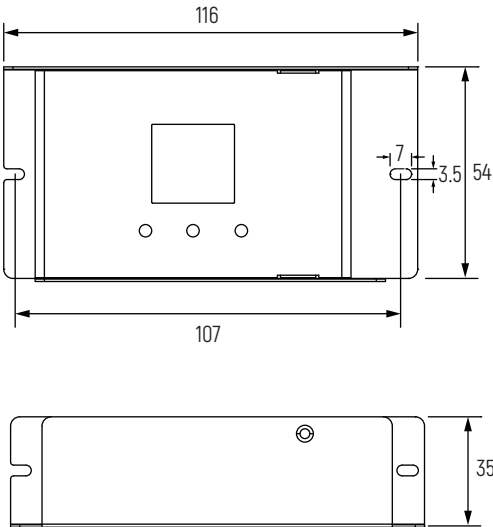
应用



技术参数

| 型号 | DSC4LMC  |                                                                           |
|----|----------|---------------------------------------------------------------------------|
| 输入 | 效率       | 93%@48VDC, 满载                                                             |
|    | 电压       | 12VDC-48VDC                                                               |
|    | 待机功耗     | <0.5W                                                                     |
| 输出 | 电流       | 350/400/450/500/550/600/650/700mA                                         |
|    | 电压       | 6-42VDC                                                                   |
|    | 功率       | 120W (Max)@48V输入4路满载                                                      |
|    | 通道       | 4                                                                         |
|    | 电流精度     | ±5%                                                                       |
|    | 空载输出电压   | 42V Max                                                                   |
| 功能 | 调光方式     | DALI                                                                      |
|    | 调光范围     | 0.4%-100% 变暗直至关闭                                                          |
| 保护 | 短路       | 关断输出，移除故障后自恢复                                                             |
|    | 过载       | 当超过输出电压时，输出电流减小，当负载降低时自动恢复                                                |
| 其它 | 工作温度     | -20°C~50°C                                                                |
|    | 防水等级     | IP20                                                                      |
|    | 寿命       | 50,000小时@tc:75°C                                                          |
|    | 质保       | 5年                                                                        |
|    | 开关周期     | >100,000次                                                                 |
|    | 包装尺寸(重量) | 净重: 230g±5%/PCS; 50PCS/ Carton; 11.5kg±5%/箱; 外箱尺寸: 301*257*215.5mm(长*宽*高) |
|    | 尺寸       | 116*54*35mm (长*宽*高)                                                       |

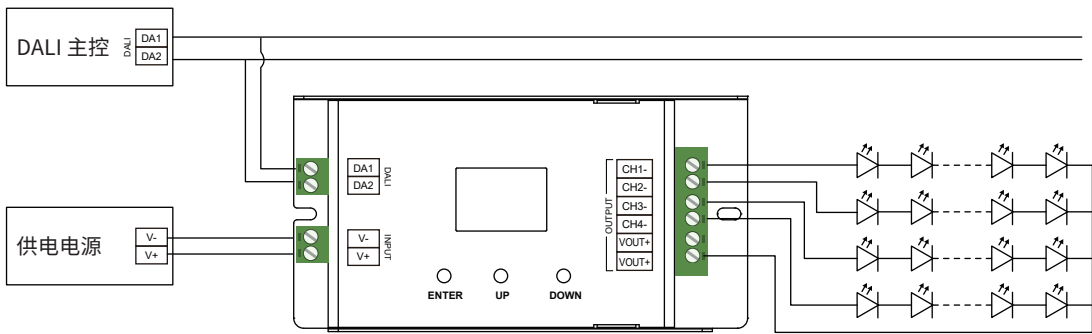
产品尺寸(mm)



接口说明



接线图



功能按键件说明

1. 按键

|       |           |
|-------|-----------|
| Enter | 确定键       |
| Up    | 向上，改变选项状态 |
| Down  | 向下，改变选项状态 |

2. 上电为空闲模式 “当前输出模式” 与 “电流档位” 闪烁

3. 模式设置 "PPP"

- P-1 :4个DT6地址，4通道输出，可接4个LED灯具-----DT6 LED模式
- P-2 :4个DT6地址，4通道输出，色温模式，可接2个色温灯具-----DT6 色温模式
- P-3 :2个DT8地址，4通道输出，可接2个色温灯具-----DT8 色温模式

4. 长按 ENTER 3S 进入输出模式设置 使用 UP / DOWN 键选择 输出模式设置或者输出电流设置, "PPP"/"CCC"  
短按 ENTER 进入  
选择不同模式时，会有一个1-8的数字跳动，设备重启。  
长按ENTER键退出设置模式，进入空闲模式

5. 电流档位 "CCC"

350 400 450 500 550 600 650 700

6. 模式切换后，需重新进行地址搜索

安装注意事项

- 1、本控制器为降压型，不是升降压型，输入电压由合适功率的恒压电源供电，恒压电源的输出电压应在12-50V范围内，如12V，24V，36V，48V的恒压电源，同时，这个恒压电源的电压应至少高出控制器输出端所接灯具的使用电压6V以上，如灯具的使用电压是9V，那么恒压电源应选择24V，36V或48V的电源，如灯具的使用电压是36V，那恒压电源应选择48V。
- 2、不可超负荷使用。
- 3、安装在通风干燥的环境中。
- 4、通电调试前，应确保所有接线正确方可通电。
- 5、如果发生故障，请勿私自维修；如有疑问，请联系供应商。

※ 本说明书内容如有更新，恕不另行通知。若您使用的产品功能与说明书不一致时，请以产品为准。如有疑问请与我们联系。