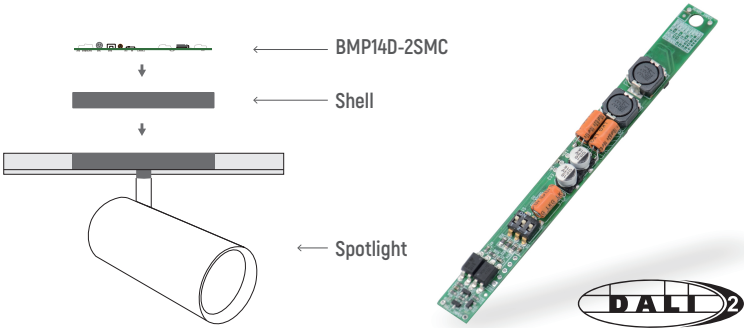


BMP14D-2SMC

Product Feature

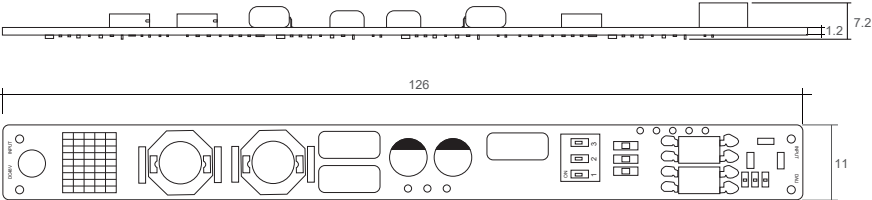
- Two channel output, output current level selectable by DIP S.W.
- Meet DALI Protocol IEC 62386-209
- High efficiency up to 93 %
- Built-in active PFC function
- Dimming effect smooth, no flicker
- Protections: Short circuit, over load, Input reverse connection
- Suitable for indoor LED lighting application, such as down light, panel light, and so on



Technical Parameters

| Model      | BMP14D-2SMC              |                                                                                                                         |                                |                                |                                |
|------------|--------------------------|-------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------|--------------------------------|
| Input      | Efficiency               | 93%@48VDC, full load                                                                                                    |                                |                                |                                |
|            | Voltage                  | 48VDC                                                                                                                   |                                |                                |                                |
|            | Current                  | 0.32Amax@48VDC, full load                                                                                               |                                |                                |                                |
|            | Standby Power            | <0.5W                                                                                                                   |                                |                                |                                |
| Output     | Current/voltage/power    | 120mA/9-40VDC<br>150mA/9-40VDC                                                                                          | 180mA/9-40VDC<br>200mA/9-40VDC | 240mA/9-40VDC<br>270mA/9-40VDC | 300mA/9-40VDC<br>350mA/9-40VDC |
|            | Ripple Current           | <5%                                                                                                                     |                                |                                |                                |
|            | Channel                  | 2                                                                                                                       |                                |                                |                                |
|            | Current Tolerance        | ±8%(9-40VDC)                                                                                                            |                                |                                |                                |
|            | No-load Output Voltage   | / DALI 2.0 Dimming                                                                                                      |                                |                                |                                |
|            | Turn On Delay Time       | <0.5s, at 48VDC                                                                                                         |                                |                                |                                |
| Function   | Dimming Type             | DALI 2.0 Dimming                                                                                                        |                                |                                |                                |
|            | Dimming Range            | 7%-100%                                                                                                                 |                                |                                |                                |
|            | color temperature        | 3000k-6000k                                                                                                             |                                |                                |                                |
| Protection | Short circuit            | Shut down the output self-recovery after removing the fault                                                             |                                |                                |                                |
|            | Over load                | When the output voltage is exceeded, the output current decreases and, recovers automatically when the load is reduced. |                                |                                |                                |
|            | Input reverse connection | Operation normally                                                                                                      |                                |                                |                                |
| Others     | Working Temp.            | -20°C~60°C                                                                                                              |                                |                                |                                |
|            | Storage Temp., Humidity  | -40°C~85°C, 20-90%RH                                                                                                    |                                |                                |                                |
|            | Tc                       | 80°C                                                                                                                    |                                |                                |                                |
|            | Material                 | PC                                                                                                                      |                                |                                |                                |
|            | Ip Rating                | IP20                                                                                                                    |                                |                                |                                |
|            | Lifetime                 | 50,000h@ta:50°C                                                                                                         |                                |                                |                                |
|            | Warranty Condition       | 5 Year                                                                                                                  |                                |                                |                                |
|            | Switch Cycle             | 25,000 times                                                                                                            |                                |                                |                                |
|            | Packing(Weight)          | Net weight: 15g±5%/PCS; 200PCS/Carton; 3.7kg±5%/Carton; Carton Size: 276*180*136mm[L*W*H]                               |                                |                                |                                |
|            | Dimension                | 126*11*7.2mm[L*W*H]                                                                                                     |                                |                                |                                |

Dimension(mm)

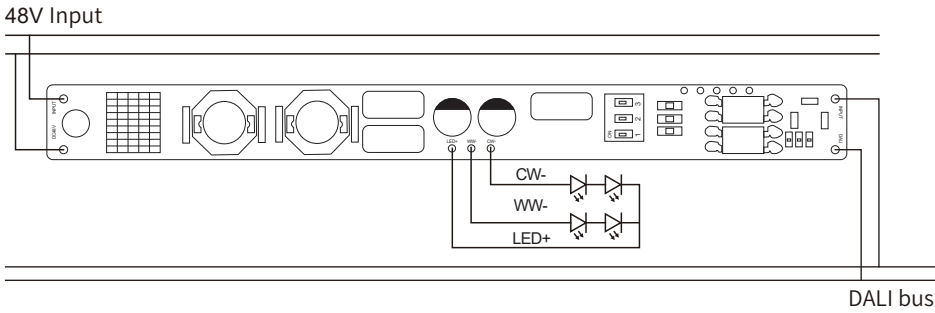


Current Selection Table

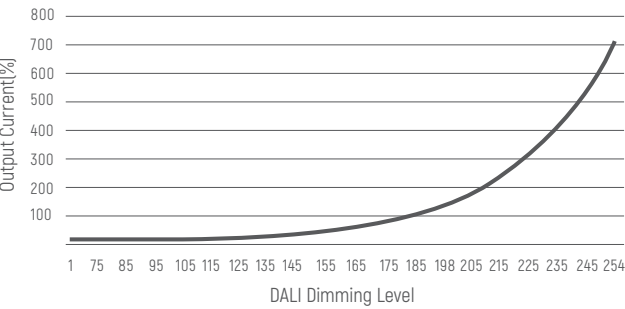
|    |     |       |       |       |       |       |       |       |       |
|----|-----|-------|-------|-------|-------|-------|-------|-------|-------|
|    |     |       |       |       |       |       |       |       |       |
| ON | OFF | 1     | 2     | 3     |       |       |       |       |       |
|    |     | 120mA | 150mA | 180mA | 200mA | 240mA | 270mA | 300mA | 350mA |
|    |     | 9-40V | 9-40V | 9-40V | 9-40V | 9-40V | 9-40V | 9-40V | 9-40V |

Remark: Function default setting is: 120mA (@switch are all OFF state)

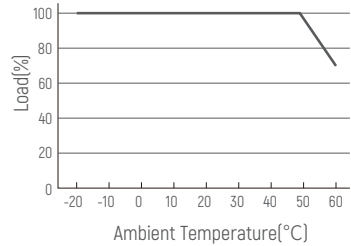
Wiring Diagram



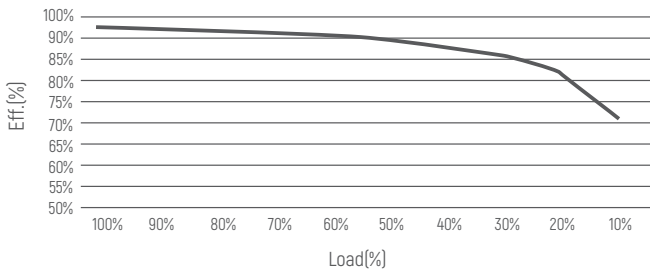
Dimming Curve



Derating Curve



Efficiency Curve



※ 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.