



- **Compact 5 channel PWM module for 12VDC / 800W, 24-48VDC / 1200W.**
- **Additional mounting place for improved cooling.**
- **Simply controlled by CASAMBI.**

The PWM module LIGA.AIR.PWM5 is controlled with the CASAMBI app.

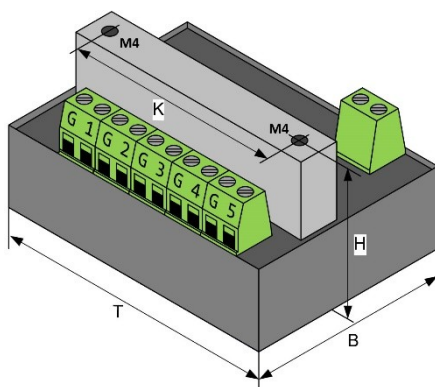
The module can be connected directly to the power supply of the light source (e.g. LED strip light), with a voltage range of 12-48VDC. The 5 PWM signals are controlled with CASAMBI and have a frequency of 1kHz.

To utilise the maximum dimming load, the configuration of the PWM channels can be adjusted using the profiles. If, for example, the module is only to control one high-power light source, all outputs 1 to 5 are switched in parallel with the corresponding profile.

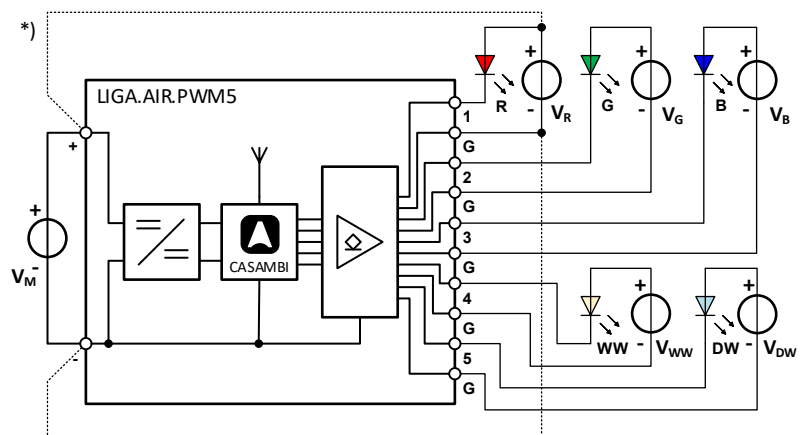
For better cooling, the module can be mounted on a separate cooling surface or heat sink using 2x M4 screws (distance K = 55mm). This mounting point is electrically isolated from all module lines.

The entire module is encapsulated in a black polycarbonate housing measuring 70 x 50 x 37mm. The extremely compact housing design allows easy installation in flush-mounted boxes or in a cable duct.

Dimensional drawing:



Schematics:



*) V_M can be replaced and directly powered by one of the LED power supplies.

Installation only by a professional electrician according to the local regulations!



Technical specifications:

Dimension (T x B x H)	70 x 50 x 37mm
Weight	150g
Color	Enclosure black
Mounting	In flush-mounted boxes or cable ducts etc.
Environmental conditions	Operation: Temperature -20 ... 50°C, humidity < 85%rH Stock: Temperature -25 ... 65°C, humidity < 95%rH
Protection type / Protection class	IP20, EN-60529 / Appliance Class II
Connections Power supply	Screw terminals 2- pole, 2.5mm ² (AWG12): +: positive terminal module power supply, -: negative terminal module power supply
Connections PWM outputs	Screw terminals 10-pin, 2.5mm ² (AWG12): 1, 2, 3, 4, 5: Outputs PWM channel 1 to 5, G: PWM channel GND
Power supply / Current	12VDC / 800W, 24-48VDC / 1200W (sum of all outputs of channels 1 to 5)
Mounting place for additional cooling	2x M4 holes at distance K = 55mm
Standards	Low Voltage Directive (LVD) 2014/35/EU, EN 60669-2-1 Electromagnetic compatibility (EMC) 2014/30/EU
CASAMBI Modul Standards	Bluetooth, Wireless Control
Dimming and switching	Settable by the CASAMBI application (App Store, Google Play)
Applications	Dimming and switching of light sources such as LED strips etc.
Scope of delivery	1 PWM module

CASAMBI Profile:

ID	Model	PWM 1	PWM 2	PWM 3	PWM 4	PWM 5	PWM configuration (+: parallel, /: separate)
36230	LA.PWM5-1CH/DIM	DIM 1	DIM 1	DIM 1	DIM 1	DIM 1	1+2+3+4+5
37921	LA.PWM5-2CH/2xDIM	DIM 1	DIM 1	DIM 1	DIM 2	DIM 2	1+2+3 / 4+5
36228	LA.PWM5-2CH/DIM/TW	WW	WW	WW	DW	DW	1+2+3 / 4+5
36227	LA.PWM5-3CH/3xDIM	DIM 1	DIM 1	DIM 2	DIM 2	DIM 3	1+2 / 3+4 / 5
38005	LA.PWM5-3CH/DIM,RGB	R	G	B			1 / 2 / 3
38078	LA.PWM5-4CH/4xDIM	DIM 1	DIM 2	DIM 3	DIM 4		1 / 2 / 3 / 4
36229	LA.PWM5-4CH/DIM,RGBW	R	G	B	W		1 / 2 / 3 / 4+5
38045	LA.PWM5-4CH/DIM,RGB/W	R	G	B	W		1 / 2 / 3 / 4+5
38051	LA.PWM5-4CH/2x(DIM,TW)	WW 1	DW 1	WW 2	DW 2		1 / 2 / 3 / 4
38050	LA.PWM5-5CH/DIM,RGBWW(TW)	R	G	B	WW	DW	1 / 2 / 3 / 4 / 5
38211	LA.PWM5-5CH/DIM,RGBWW(TW)-NEW	R	G	B	WW	DW	1 / 2 / 3 / 4 / 5
36253	LA.PWM5-5CH/5xDIM	DIM 1	DIM 2	DIM 3	DIM 4	DIM 5	1 / 2 / 3 / 4 / 5

Compatible Devices:



Range:

CASAMBI uses mesh network technology so each CBU-ASD acts also as a repeater.

Longer ranges can be achieved by using multiple CASAMBI units.

The Range is also highly dependent on the surrounding and obstacles, such as walls and building materials.

