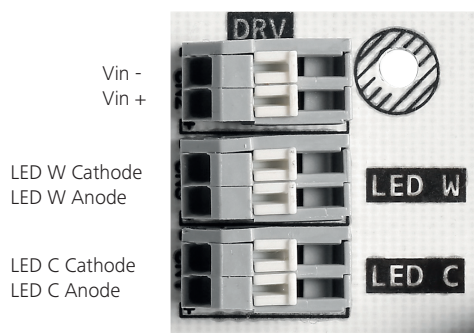
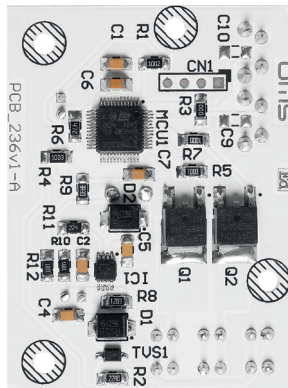
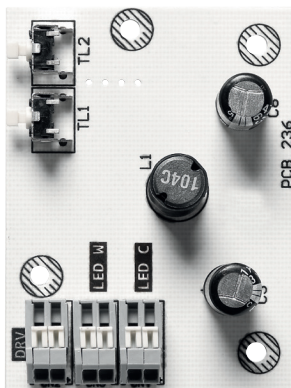
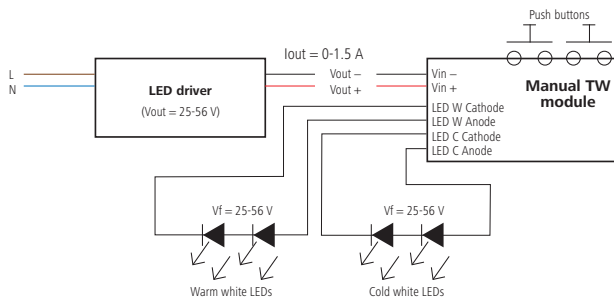


MANUAL TW is module with patented current splitter topology for Tunable White control. It is intended to be used in any Tunable White luminaire that fits its operating range (input voltage and output current). The module requires external LED driver for its biasing and LED powering. MANUAL TW 01 has a fixed position of buttons so the module should be placed in a fixture on the place, where the button can be reachable.

Manual TW Module 01



Wiring diagram



Key features

- Two push buttons for manual control
- Output current range: up to 2 A
- Output power: up to 110 W
- Module internal biasing: 5 V / 8 mA (40 mW)

Function

After powering up Manual TW electronic reloads last used setting of output current ratio. The new level is saved to memory after 10 seconds of push button inactivity. Push button 1 (PB 1) serves for increasing and Push button 2 (PB 2) for decreasing of output current ratio. There are two modes of current ratio transients – smooth mode and discrete mode.

Discrete mode / discrete mode is activated by default.

When short pressing one of the push buttons (holding pressed shorter than 1 second) the current ratio level is changed in discrete steps according to the table below. One press activates change of one step.

Smooth mode – smooth mode is activated when one of the push buttons is hold pressed longer than 1 second. After this period current ratio starts to change (increase or decrease) smoothly with approximately 2 % per second.

Connections

Cable Wires AWG 24-12 (0.5-2.5 mm²)

Power

Input voltage 25 V DC-56 V DC

Output

Output voltage 25 V DC-56 V DC
 Output current 0-1.5 A
 Module consumption 50 mW

Mechanical data

Housing Open case
 Weight 18 g
 Dimensions 60 x 45 x 15 mm

Operating conditions

Ambient temp. range 0 °C - +55 °C

Step Index	1	2	3	4	5	6	7	8
Channel C Level (%)	0	9,8	20	31,7	45,1	63,5	85,5	100
Channel W Level (%)	100	90,2	80	68,3	54,9	36,5	14,5	0