



TRULY SEMICONDUCTORS LIMITED

Brightness Adjustment of OLED

OLED brightness can be controlled by both software and hardware.

For software, change the contrast value of the register setting on the driver IC.
(0X00~0XFF)

For OEL9M0072, this is 0X00~0XFF .

For hardware, change the Vcc power supply voltage. Most OLEDs can be adjusted 7 to 15 V.

The following table shows the effect on brightness by changing the Vcc power supply voltage.

This data was tested on model OEL9M0072-Y-E with a contrast setting of 0x2F.

Note the recommended brightness is 100 nits, and increased brightness will decrease MTBF.

Vcc (V)	cd/m2
10	52.24
11	67.25
12	82.15
13	97.47
14	108.5
15	133.6

2/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street - Kwai Chung, N.T., Hong Kong