

Wiring diagram M-TUBE High Brightness

M-TUBE-HB 1322.1xx0 with DC/DC converter, monochrome:

Voltage DC: + (anode) to red and – (cathode) to black

U_{\min} : 11V

U_{nom} : 12V DC (CE-conform)

U_{\max} : 25V DC

M-TUBE-HB 1322.1x00 without DC/DC converter, monochrome:

Voltage DC: + (anode) to red and – (cathode) to black

Forward voltage of the LEDs is specified in the LV catalogue.

The maximum electric current per LED amounts to 600mA and **needs to be limited** via constant current source. At an ambient air temperature of up to 30°C the maximum current per LED amounts to 1000mA.

M-TUBE-HB 1322.xxxx RGB without DC/DC converter

(contact 1 defined by wire colour coding):

Wiring see diagram

maximum current per LED: 250 mA (one colour on)

maximum current per LED: 140 mA (all colours on)

U_f - red: 2,1V

U_f - green: 3,6V

U_f - blue: 3,6V

(at 140mA)

