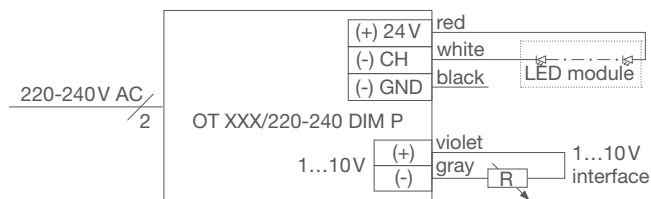


Light is OSRAM

OSRAM

Find the right resistor for dimming

For OPTOTRONIC® Protected 24 V and 12 V LED drivers with 1...10 V interface



The OPTOTRONIC® Protected 24 V and 12 V family of LED drivers, which has an ingress protection rating of IP67, includes the following four dimmable versions:

- OT 80/220-240/24 DIM P
- OT 120/220-240/24 DIM P
- OT 240/220-240/24 DIM P
- OT 60/220-240/12 DIM P

The output power of the above-listed LED drivers can be adjusted by a 1...10 V interface and an external controller (V_{in}) or external resistor.

The table on the right supports you in finding the correct resistor for your desired dimming value. For dimming, you just have to connect the resistor to the dimming wires of the 1...10 V interface.

Please note:

- The dimming interface has basic insulation
- To achieve the most accurate output power, it is recommended to select a low-tolerance resistor
- When no external resistor is connected, the LED drivers operate at nominal power

Desired dimming value

Suitable resistor



0 %



3.65 kΩ



11 %



7.15 kΩ



22 %



11 kΩ



33 %



14.7 kΩ



44 %



18.7 kΩ



56 %



21.5 kΩ



67 %



26.1 kΩ



78 %



28.7 kΩ



89 %



33.2 kΩ



100 %



36.5 kΩ