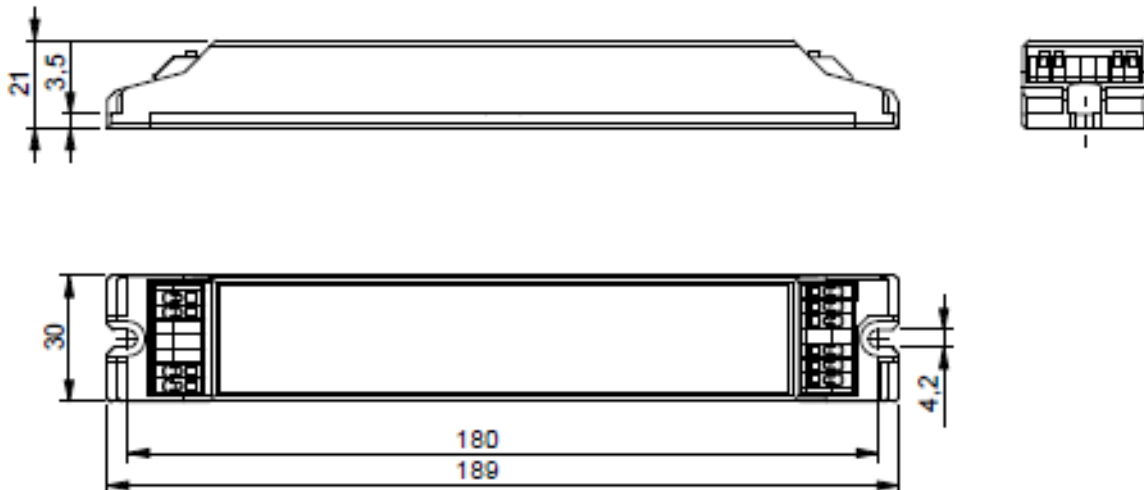


# OPTOTRONIC® OTi DALI DIM LI

## Dimmer for LED-Modules in Combination with Power Supply OPTOTRONIC®

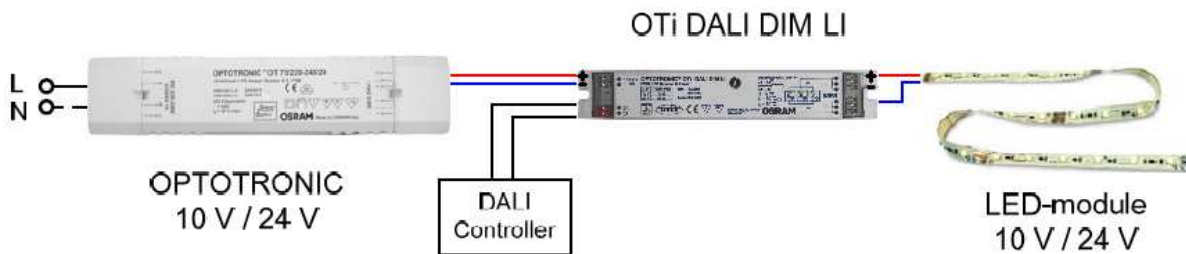
Technical information  
issue: February 2011  
subject to change without notes

### Design and dimensions (All dimensions in mm)



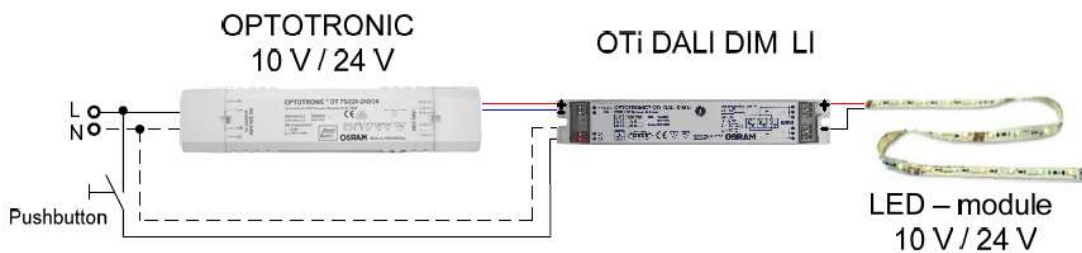
### Wiring diagram

#### DALI Function:

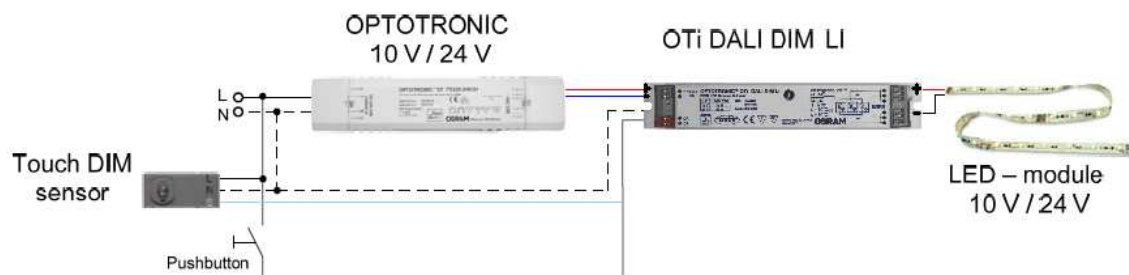


#### Touch DIM Function:

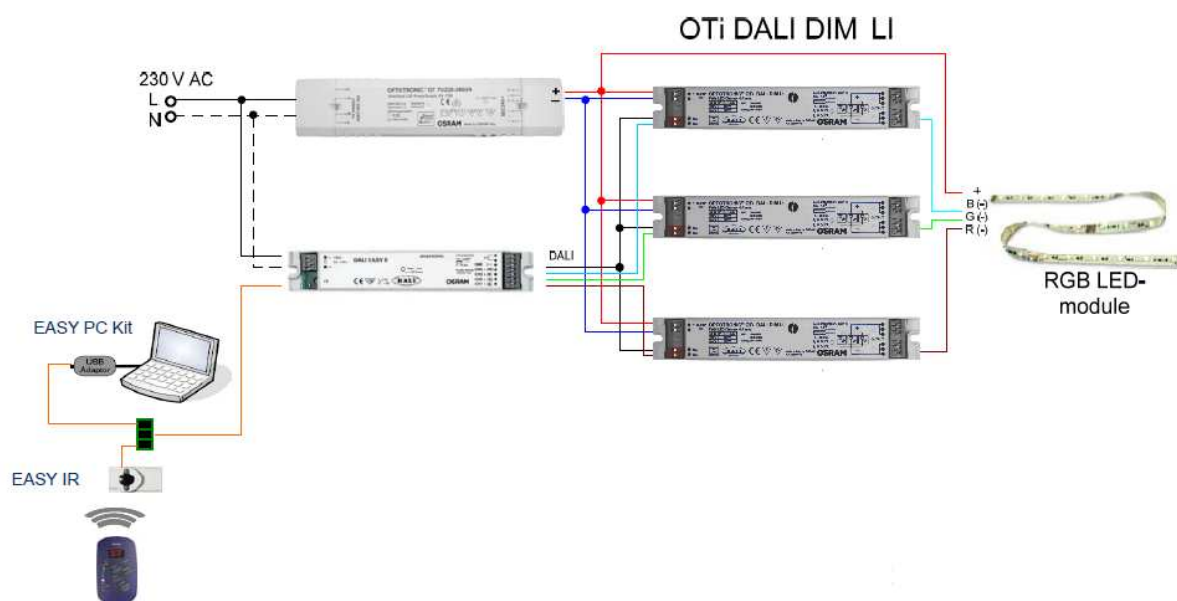
##### With Touch DIM Function:



##### With Touch DIM Sensor



## RGB Function:



## Technical data

<b>Designation</b>	OTi DALI DIM LI
<b>For LED Modules</b>	With respect to the output conditions: LINEARlight, LINEARlight Flex, LINEARlight PowerFlex, BACKlight, EFFECTlight and appropriate 10 and 24 V modules
<b>Supply input voltage range nom.</b>	10 – 24 V DC
<b>Supply input voltage range max</b>	9.0 – 26.4 V DC
<b>Supply input current max</b>	4 A
<b>Dimming Interface</b>	DALI with Touch DIM function (1-switch-dimm-function), interface is protected against polarity reversal and overvoltage (ma. 500 V) SELV equivalent isolation of input and output vs. DALI interface
<b>Dimming Mode</b>	PWM
<b>Operating Frequency</b>	390 Hz
<b>Dimming Range</b>	0,1 – 100%
<b>Output current max</b>	4 A
<b>Output load range</b>	0 – 40 W @ 10 V DC / 0 - 96 W @ 24 V DC
<b>Power losses min</b>	0,12 W @ 10 V DC / 0,29 W @ 24 V DC
<b>(dimming rate = 1% - no load):</b>	
<b>Power losses max</b>	1,10 W @ 10 V DC / 1,25 W @ 24 V DC
<b>(dimming rate = 95% - full load):</b>	
<b>Safety</b>	EN 61347
<b>Performance</b>	EN 62384
<b>Radio Interference</b>	EN 55015
<b>Immunity</b>	EN 61547
<b>Temperature Range</b>	-20 °C to +50 °C

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<b>No-load proof</b>	YES
<b>Short Circuit Protection</b>	In combination with OPTOTRONIC power supply
<b>Overload Protection</b>	Automatic shutoff, reversible
<b>Overheating Protection</b>	Automatic shutoff, reversible
<b>Supply Input Wire Cross Section</b>	0,50 mm <sup>2</sup> to 1,5 mm <sup>2</sup>
<b>Supply Input Connection</b>	Push-in Terminal
<b>Control Wire Cross Section</b>	0,50 mm <sup>2</sup> to 1,5 mm <sup>2</sup>
<b>Control Connection</b>	Push-in Terminal
<b>Output Wire Cross Section</b>	0,50 mm <sup>2</sup> to 1,5 mm <sup>2</sup>
<b>Length of Output Wiring</b>	10 mt in combination with OPTOTRONIC Power Supply
<b>Output Connection</b>	Push-in Terminal
<b>Dimensions</b>	189.6 mm x 30.0 mm x 21.0 mm
<b>Fixing Screws</b>	∅ 4 mm
<b>Approvals</b>	CE