

Rigel 12

Lux lumen warm white ledstrip with step-down

10424

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www.Lux-Lumen.com

Electrical specifications

Electrical specifications

Per PCB

Voltage: 48V (between 43 and 48V)

Current: 150mA @ 43V

130mA @48V

Power: 6,2W

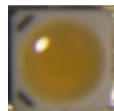
Leds

Type: STSE-CC6097A (Cat.No. 060831)

Nichia chip type warm white led, model: NJSL036T

Lumen output per led: 17 lm (@150mA)

Lumen output per PCB: 204 lm



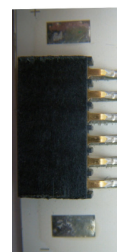
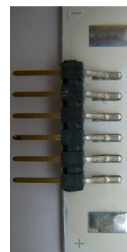
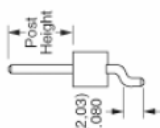
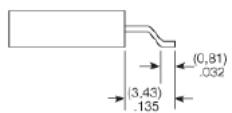
Colour temperature: +/- 3000 K

Connectors

6-pins connector + 2 pads on each side

SMH106

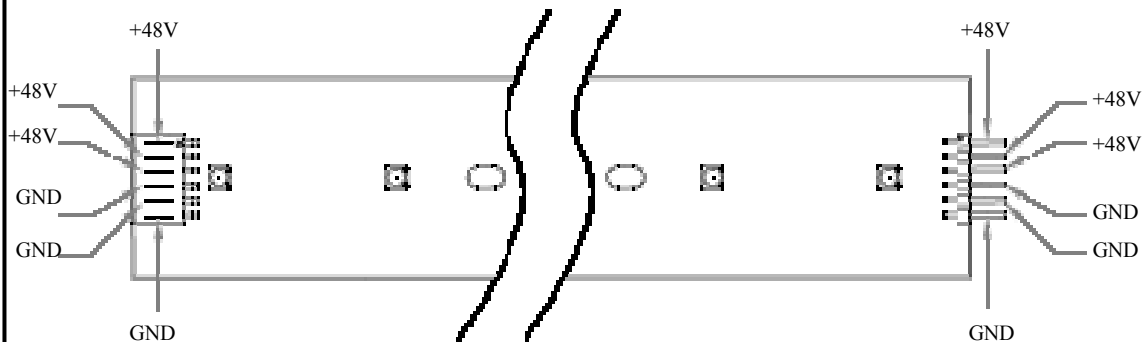
TSM106



Recommended cables

Any cable adapted to the current can be used.

Connection scheme



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Mechanical specifications

Dimensions

Dimensions: 360mm x +/- 34mm
Pitch between two leds of the same colour: 30mm
Height led without optic: +/- 2,6mm (PCB included)
Max height of electronics: +/- 9,1mm (PCB included)

Weight

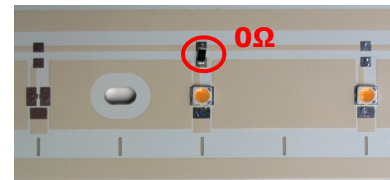
+/- 63g

Assembling

Thermal pasta or thermal tape should be applied on the back side of the PCB.
A sufficiently large cooling surface should be used.

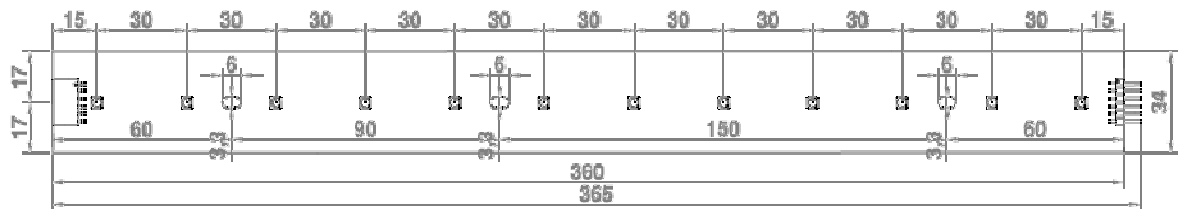
Maximum 20 boards can be connected to each other.

It is possible to cut off the ledstrip to the desired length after each rigel led with a minimum of 3 leds. A resistor of 0Ω should be placed next to the last led as shown in the picture. Note that it is not possible to attach new ledstrips to this one, because the female connector is missing.



Related pieces

Drawing



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