# TALEX⟨strip D113 RGB 24V
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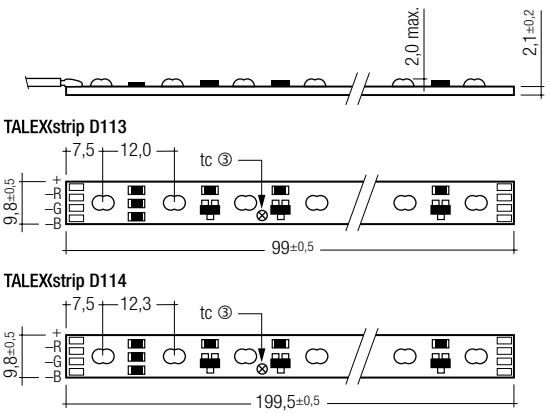
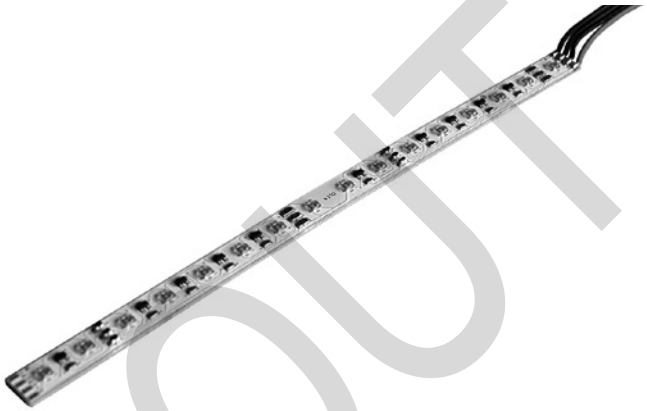
RoHS



**Applications:**
- TALEX⟨strip modules for accenting lines, edges and for side injection with RGB colour mixing
- edge lighting
- suitable for use with TALEX⟨profile Z200 / 201 / 202 / 203

**Highlights:**
- simple mounting by pre-assembled adhesive tape
- maximum possible beam angle for uniform illumination (thanks to COB technology)
- low profile
- minimal heat generation

**Properties:**
- RGB individually controllable
- dimmable by pulse width modulation (PWM) with TridonicAtco control units
- broad 140° light distribution for uniform illumination
- fixing: thermal conductive adhesive tape, pre-mounted
- cooling required ③
- coated with protective varnish for applications where condensation occurs
- connection method: cable 200 mm
- identification of polarity: + red / – black

**Notes:**
- reversing the polarity may damage the TALEX⟨strip!
- different white temperatures can be produced by selective control of green, red and blue
- none of the components of the TALEX⟨strip (substrate, LED, electronic components etc.) may be exposed to tensile or compressive stresses
- for further information on installation please refer to the brochure entitled "TALEX⟨ installation instructions"

**TALEX⟨**

| type | article number | colour | wavelength nm | light points per module | typ. luminous flux lm ① | voltage $V_{DC}$ ② | current mA | power W ① per colour | power W ① total | ta °C | tc max. °C ③ | length L mm | packing unit pieces/carton |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | red | 621–627 | | 6.0 | | 30 | 0.72 | | | | | |
| **D113 RGB 24V** | 89600392 | green | 520–535 | 8 RGB | 12.5 | 24 | 30 | 0.72 | 2.28 | -25 → +45 | 75 | 99.0 ±0.5 | 20 |
| | | blue | 462.5–465 | | 2.5 | | 35 | 0.84 | | | | | |
| | | red | 621–627 | | 6.0 | | 30 | 0.72 | | | | | |
| **D113 RGB 24V B2** | 89600900 | green | 520–535 | 8 RGB | 12.5 | 24 | 30 | 0.72 | 2.28 | -25 → +45 | 75 | 99.0 ±0.5 | 20 |
| | | blue | 460–462.5 | | 2.5 | | 35 | 0.84 | | | | | |
| | | red | 621–627 | | 12 | | 60 | 1.44 | | | | | |
| **D114 RGB 24V** | 89600393 | green | 520–535 | 16 RGB | 25.0 | 24 | 60 | 1.44 | 4.56 | -25 → +45 | 75 | 199.5 ±0.5 | 10 |
| | | blue | 462.5–465 | | 5.0 | | 70 | 1.68 | | | | | |
| | | red | 621–627 | | 12 | | 60 | 1.44 | | | | | |
| **D114 RGB 24V B2** | 89600901 | green | 520–535 | 16 RGB | 25.0 | 24 | 60 | 1.44 | 4.56 | -25 → +45 | 75 | 199.5 ±0.5 | 10 |
| | | blue | 460–462.5 | | 5.0 | | 70 | 1.68 | | | | | |

all data for ta = 25 °C (except tc max.)

① Tolerance range for optical and electrical data: ±15 %

② Exceeding the maximum operating voltage leads to an overload on the TALEX⟨strip. This may in turn result in a significant reduction in lifetime or even destruction of the TALEX⟨strip. Tolerance range for the supply voltage: 24 V: +2 V / -0 V

③ If the maximum temperature limits are exceeded, the life of the module will be greatly reduced or the module may be damaged. The temperature of the TALEX⟨strip at the tc point in the thermally stable state by means of a temperature sensor or temperature-sensitive sticker (available for example from www.conrad.com, www.rs-components.com) as per EN60598-1. For the precise position of the tc point see the above diagram.

**Cooling area in cm² per single module ③**
**Values for aluminium > 1 mm thick, tc = 75 °C**

| type | ta 25 °C | ta 45 °C |
|---|---|---|
| **D113** | 35.7 (19.4 K/W) | 60.3 (11.5 K/W) |
| **D114** | 71.3 (9.7 K/W) | 120.5 (5.8 K/W) |