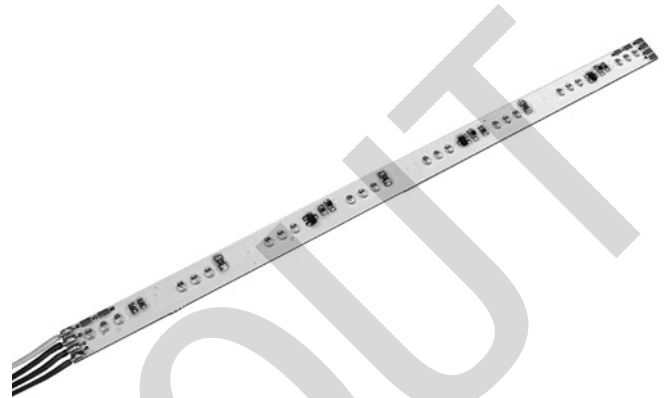
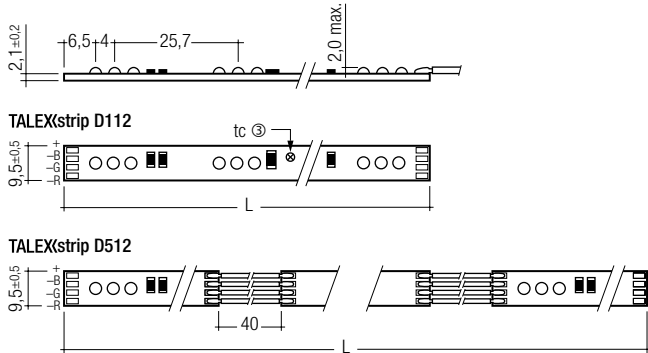


TALEXstrip D112-2 RGB 24V
TALEXstrip D512-2 RGB 24V

RoHS



Applications:

- TALEXstrip modules for accenting lines, edges and for side injection with RGB colour mixing
- edge lighting
- suitable for use with TALEXprofile Z200/201/202/203

Highlights:

- simple installation thanks to
 - pre-mounted adhesive tape
 - low cooling requirements
- maximum possible beam angle for uniform illumination (thanks to COB technology)
- low profile
- minimal heat generation

Properties:

- dimmable by pulse width modulation (PWM) with TridonicAtco control units
- integrated current source to stabilise luminous flux
- broad 140° light distribution for uniform illumination
- fixing: double sided thermal conductive adhesive tape, pre-mounted
- minimal cooling required ③
- coated with protective varnish for applications where condensation occurs
- connection method: cable 200 mm, both sides
- identification of polarity: + red / – black

Notes:

- reversing the polarity may damage the TALEXstrip!
- different white temperatures can be produced by selective control of green, red and blue
- none of the components of the TALEXstrip (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”
- maximum chaining length: 10 strips (homogeneous colours over full length)

TALEXstrip D112-2



TALEX													
type	article number	colour	wavelength nm	light points per module	typ. luminous flux lm ①	voltage Vdc ②	current mA	power W ①	ta °C	tc point °C ③	length L mm	packing unit	
D112-2 RGB 24V	89600411	red	619–629	8 RGB	19.0	24	35	0.84	-25 → +45	75	200 ±1.5	10	
		green	520–535		21.0		55	1.32					2.88
		blue	458–465		4.0		30	0.72					

TALEXstrip D512-2



TALEX													
type	article number	colour	wavelength nm	modules per chain	typ. luminous flux lm ①	voltage Vdc ②	current mA	power W ①	ta °C	tc point °C ③	length L mm	packing unit	
D512-2 RGB 24V	89600412	red	619–629	5	95.0	24	175	4.2	-25 → +45	75	approx. 1,160	2	
		green	520–535		105.0		275	6,6					14,4
		blue	458–465		20.0		150	3.6					

all data for ta = 25 °C

- ① Tolerance range for optical and electrical data: ±15 %
- ② Exceeding the maximum operating voltage leads to an overload on the TALEXstrip. This may in turn result in a significant reduction in lifetime or even destruction of the TALEXstrip.
Tolerance range for the supply voltage: 24V: +2V / -0V
- 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 TALEXstrip 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 ③

Values for aluminium 2 mm thick

ta	tc	single module TALEXstrip D112-2		chain TALEXstrip D512-2	
		RthS-A	heat sink area	RthS-A	heat sink area
25 °C	75 °C		self-cooling		self-cooling
35 °C	75 °C		self-cooling		self-cooling
45 °C	75 °C	9.5 KW	70.0 cm ²	1.9 KW	350.0 cm ²

DALI control unit TALEX converter K211 with TALEX control C004 PWM booster

