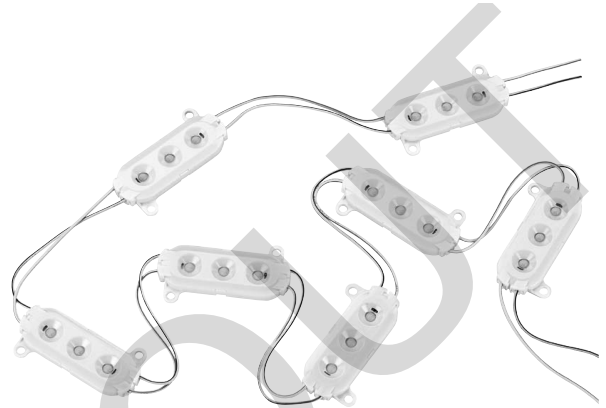
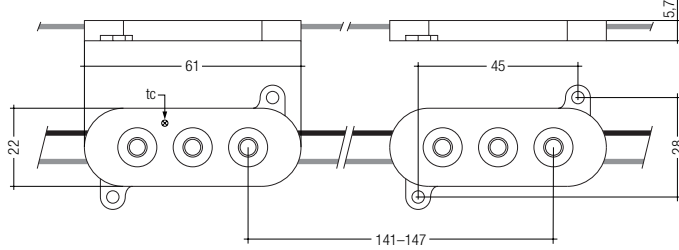


TALEXchain P511-SR

RoHS

Dimensions single module:



Applications:

- LED module chain for highlighting lines and edges and for backlighting letters and symbols in illuminated advertising applications
- backlighting of complex contours
- optimised for use in illuminated advertising (channel letters, backlighting applications)
- edge lighting of transparent or diffuse materials

Highlights:

- uniform illumination from a small number of TALEX modules
- individually adjustable luminance
- minimal heat generation
- roll packaging (5 pcs. chains per roll)
- LED module with plastic housing and strain relief to avoid mechanical stress at the electronic components and glob top

Properties:

- high-power LED in COB technology
- colour temperature white: ④
daylight white (DL): 6,500K
yellow white (YW): dom. wavelength 570 nm
warm white (WW): 3,000 K
- integrated current source to stabilise luminous flux
- flexible light chain, arbitrary module separation possible
- broad 140° light distribution
- fixing: M4 metal screw or double sided adhesive tape pre-mounted
- connection method: cable 200 mm, both sides
- identification of polarity: + red / - black

Notes:

- for uniform illumination: minimum distance to the cover 50–60 mm
- reversing the polarity may damage the TALEXchain!
- for further information on installation please refer to the brochure entitled "TALEX installation instructions"

TALEX chain in conjunction with water:

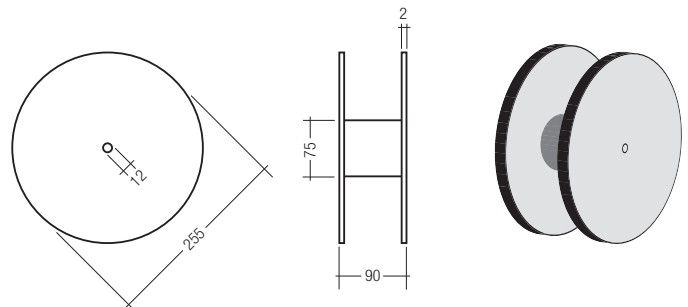
- Admissible environmental conditions:
The LED modules are provided with a protective coating to guard against superficial dewing (according to JEDEC JESD22 A100C) and high relative air humidity. If the protective coating is damaged (for example during soldering) it must be rebuilt to sustain the same level of protection.
- Harmful environmental conditions:
The product is not designed to be operated in contact with water.

TALEX 1 roll contains 5 chains

type	article number/roll	colour	wavelength colour temp. ④	light points per module	modules per roll	typ. luminous flux lm/roll ①	voltage V _{dc} ②	power W/roll ①	ta °C	tc point °C ③	total length/roll mm	packing unit roll/carton
P511-SR R	89600798	red	619–629 nm	3	5 x 30	5 x 375	12	5 x 12.5	-25 → +55	65	5 x 4,500	18 rolls
P511-SR A	89600799	amber	584–594 nm	3	5 x 30	5 x 378	12	5 x 12.5	-25 → +55	65	5 x 4,500	18 rolls
P511-SR O	89600800	orange	600–610 nm	3	5 x 30	5 x 470	12	5 x 12.5	-25 → +55	65	5 x 4,500	18 rolls
P511-SR YW	89600802	yellow white	570 nm	3	5 x 30	5 x 540	12	5 x 12.5	-25 → +55	65	5 x 4,500	18 rolls
P511-SR WW warm	89600801	warm white	3,000K	3	5 x 30	5 x 440	12	5 x 12.5	-25 → +55	65	5 x 4,500	18 rolls
P511-SR DL daylight	89600803	daylight white	6,500 K	3	5 x 30	5 x 525	12	5 x 12.5	-25 → +55	65	5 x 4,500	18 rolls

all values at ta = 25 °C

- ① Tolerance range for optical and electrical data: ±15 %
- ② Exceeding the maximum operating voltage leads to an overload on the TALEXchain. This may in turn result in a significant reduction in lifetime or even destruction of the TALEXchain. Tolerance range for the supply voltage: 12V: +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 TALEXchain 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.
- ④ For colour temperatures and tolerances see page 2.



Dimensions roll packaging (total weight 1 kg)

TALEXchain P511-SR

Coordinates and tolerances according to CIE 1964

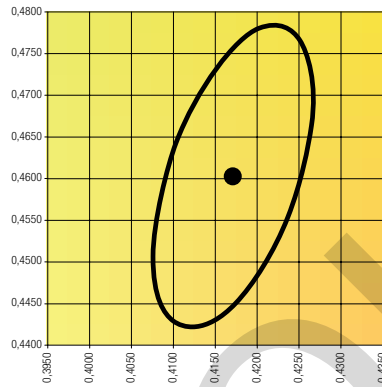
CIE coordinates:

yellow white

	x0	y0
centre	0.4172	0.4595

MacAdam ellipse: 5SDCM

yellow white



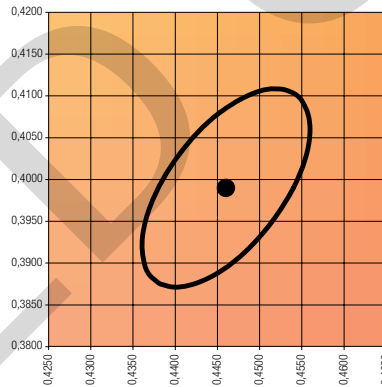
CIE coordinates:

warm white

	x0	y0
centre	0.4460	0.3990

MacAdam ellipse: 5SDCM

warm white



CIE coordinates:

daylight white

	x0	y0
centre	0.3200	0.3270

MacAdam ellipse: 5SDCM

daylight white

