TALEX(

type	article number	colour	wavelength colour temp. ④	light points per module	typ. luminous flux lm ①	voltage V_{DC} ②	power W ①	ta °C	tc max. °C ③	length L mm	packing unit pieces/carton
P117 R	89600154	red	624–630 nm	36	65.0	24	4.32	-25 → +50	80	148±1	10
P117 A	89600155	amber	586–592 nm	36	49.0	24	4.32	-25 → +50	80	148±1	10
P117 G	89600157	green	520–540 nm	36	66.0	24	4.68	-25 → +50	80	148±1	10
P117 B	89600156	blue	460–465 nm	36	18.0	24	4.68	-25 → +50	80	148±1	10
P117 WW warm	89600210	warm white	3,000 K	36	76.5	24	4.68	-25 → +50	80	148±1	10
P117 NW neutral	89600158	neutral white	4,200 K	36	97.0	24	4.68	-25 → +50	80	148±1	10
P117 DL daylight	89600159	daylight white	6,500 K	36	108.0	24	4.68	-25 → +50	80	148±1	10
P118 R	89600160	red	624–630 nm	48	87.0	24	5.76	-25 → +50	80	197.5±1	10
P118 A	89600161	amber	586–592 nm	48	66.0	24	5.76	-25 → +50	80	197.5±1	10
P118 G	89600163	green	520–540 nm	48	88.0	24	6.24	-25 → +50	80	197.5±1	10
P118 B	89600162	blue	460–465 nm	48	24.0	24	6.24	-25 → +50	80	197.5±1	10
P118 WW warm	89600211	warm white	3,000 K	48	101.0	24	6.24	-25 → +50	80	197.5±1	10
P118 NW neutral	89600164	neutral white	4,200 K	48	130.0	24	6.24	-25 → +50	80	197.5±1	10
P118 DL daylight	89600165	daylight white	6,500 K	48	144.0	24	6.24	-25 → +50	80	197.5±1	10

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 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.

④ For colour temperatures and tolerances – see page 3

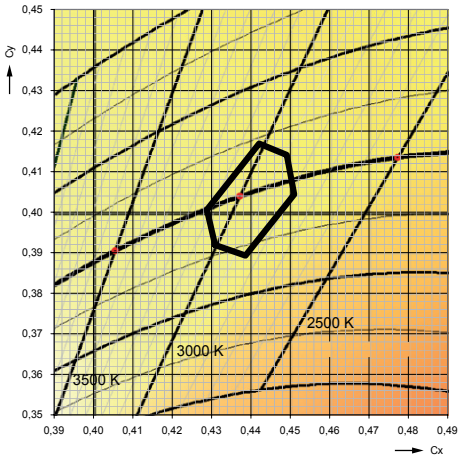
Recommended cooling area in cm² ③
Values for aluminium > 1 mm thick, tc = 80 °C

type	ta 35 °C	ta 50 °C
P115	31.2	78.0
P116	62.4	156.0
P117	93.6	234.0
P118	124.8	312.0

It has to be observed that tc max. value is not exceeded within the specific application.

TALEXXstrip P115–118

Corresponding colour temperature and CIE coordinates 3,000 K

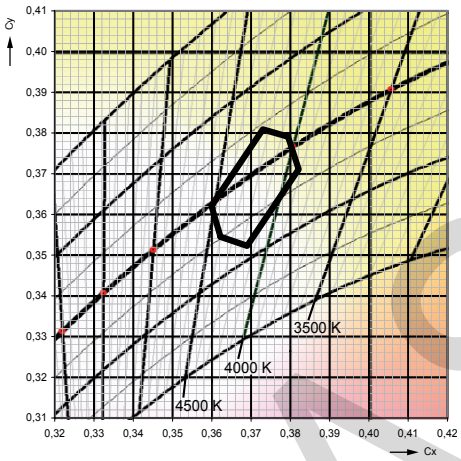


CIE coordinates: tolerance area

warm white, 3,000 K

	Cx	Cy
tolerance area	0.4309	0.3919
	0.4288	0.4006
	0.4421	0.4169
	0.4491	0.4141
	0.4510	0.4044
	0.4386	0.3893

Corresponding colour temperature and CIE coordinates 4,200 K

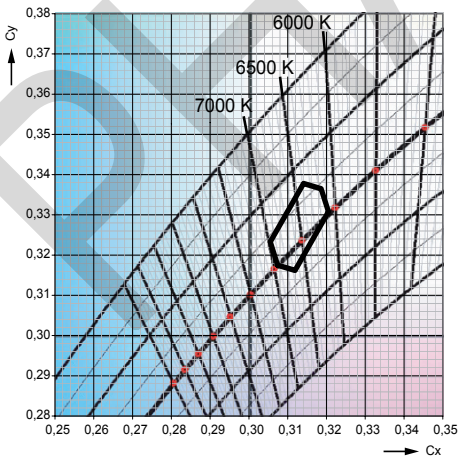


CIE coordinates: tolerance area

neutral white, 4,200 K

	Cx	Cy
tolerance area	0.3622	0.3545
	0.3599	0.3621
	0.3730	0.3809
	0.3794	0.3791
	0.3821	0.3711
	0.3690	0.3523

Corresponding colour temperature and CIE coordinates 6,500 K



CIE coordinates: tolerance area

daylight white, 6,500 K

	Cx	Cy
tolerance area	0.3074	0.3175
	0.3055	0.3233
	0.3141	0.3378
	0.3186	0.3365
	0.3205	0.3308
	0.3119	0.3162