

LRALL-SW800-24V-28S103-20-IC

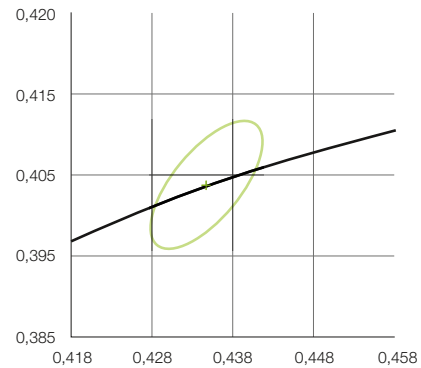
Product data sheet

Photometric data

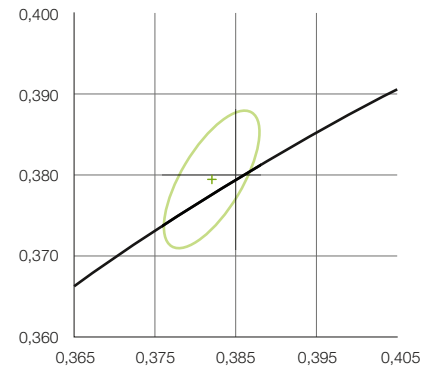
| Article number | Photometric code | Colour temperature | Light colour | Colour coordinates x / y | Colour rendering index Ra | Luminous flux @ tp 25°C | Luminous flux @ tp 60°C | Beam angle |
|----------------|------------------|--------------------|---------------|--------------------------|---------------------------|-------------------------|-------------------------|------------|
| 9009360 | 830/359 | 3000 K | Warm white | 0,4339 / 0,4033 | 80 | 209 lm | 188 lm | 120° |
| 9009361 | 840/359 | 4000 K | Neutral white | 0,3818 / 0,3797 | 80 | 225 lm | 202 lm | 120° |
| 9009362 | 850/359 | 5000 K | Cool white | 0,3446 / 0,3551 | 80 | 225 lm | 202 lm | 120° |

Colour coordinates

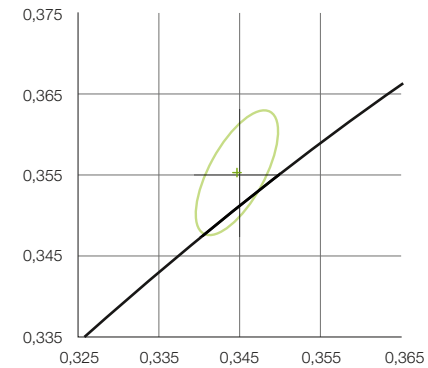
Colour temperature 3.000 K



Colour temperature 4.000 K



Colour temperature 5.000 K



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More data

| Article number | Weighted energy consumption class | Energy efficiency class | Lifetime @ tp 25°C | Lifetime @ tp 60°C | tc max | tp max | Ambient temperature |
|----------------|-----------------------------------|-------------------------|--------------------|--------------------|--------|--------|---------------------|
| 9009360 | 2 kWh/1000h | A++ | L80 B10 >36.000 h | L80 B10 35.000 h | 70°C | 60°C | -20°C bis +70°C |
| 9009361 | 2 kWh/1000h | A++ | L80 B10 >36.000 h | L80 B10 35.000 h | 70°C | 60°C | -20°C bis +70°C |
| 9009362 | 2 kWh/1000h | A++ | L80 B10 >36.000 h | L80 B10 35.000 h | 70°C | 60°C | -20°C bis +70°C |

Order data

| Article number | Article description | Packaging unit | Order unit |
|----------------|------------------------------|----------------|------------|
| 9009360 | LRALL-SW830-24V-28S103-20-IC | 40 | Piece |
| 9009361 | LRALL-SW840-24V-28S103-20-IC | 40 | Piece |
| 9009362 | LRALL-SW850-24V-28S103-20-IC | 40 | Piece |

Standards

EN 62031:2015

EN 62471:2009

2011/65/EU

2009/125/EU

in accordance with IEC 62717

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Product data sheet

Important notes

All technical parameters apply to the entire product. Due to the complex manufacturing process of light-emitting diodes, the indicated typical LED parameters are purely statistical variables and may vary.

| | |
|--|--------|
| Mercury content | 0,0 mg |
| Mercury-free | yes |
| Professional disposal according to WEEE | yes |

Notes to the life time

Decisive factors for the life time are the ambient temperature and the operating temperature (T_c/T_p). Exceeding the permissible limits results and the permitted operating voltage in a substantial reduction of the life time and can even lead to the destruction of the products. The specified life time represents a statistical quantity.

The heat sink must provide sufficient heat dissipation so that the maximum permissible operating temperature is not exceeded. The measurement of the operating temperature must be in accordance with EN 60598-1.

Notes to electrical and photometric data

Colour coordinates according to CIE 1931

Rated ambient temperature: $t_a = 25^\circ$

Measuring tolerance colour coordinates (x/y) +/- 0,005

Tolerance range of electrical / photometric data: +/- 10%

Disclaimer

Changes and errors excepted. Due to the continuous development of all products, technical and design changes can occur at any time. Make sure that you always use the latest version of the data sheet.

Further product data as well as current information can be found at www.ledxon.com

Notes to the installation

While installation the relevant specifications and standards must be observed. For optimum operation we recommend installation only on rigid and stationary surfaces. The electrical connection must be made in a voltage-free state.

The correct polarity for the connection lines must be observed upon start-up. Incorrect polarity may result in the destruction. The products are electrified by connecting leads to the provided plug terminal connection. The maximum permitted cable cross-section must be observed in this process. The products are delivered without cabling. When installing these modules, standard ESD safety precautions must be complied with.

High mechanical load must be avoided during installation. Powerful compression forces, in particular on the light area, result in damage to the components as well as the conducting paths. For fixing we recommend using polyamide screws.