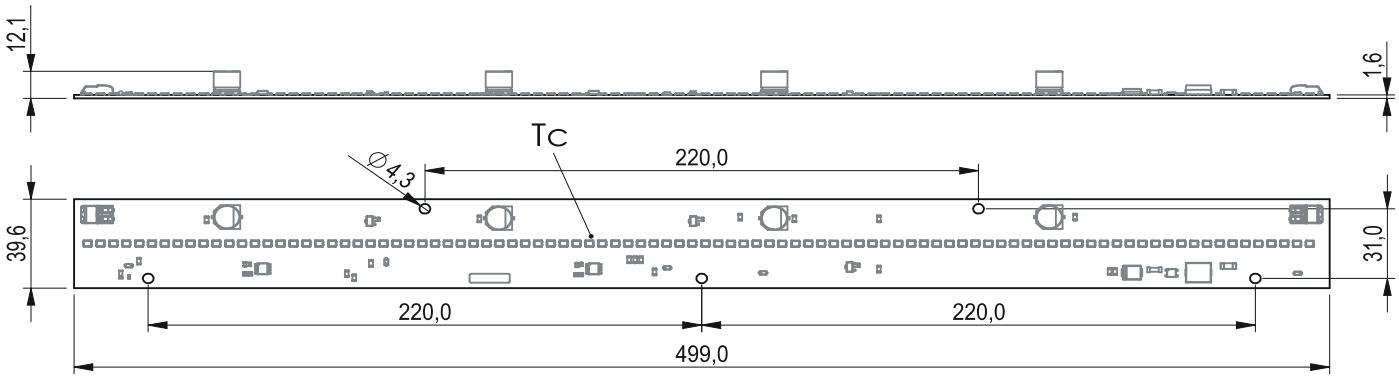
LinAC 500x40 mm CRI 80/90 2200 lm 13 W 2C V5

Drawing



Technical specifications

Nominal voltage	230 V
Power factor	>0,99
Ambient temperature range	-25 … +45˚C
tc	85˚C
tp rated	55˚C
Lumen maintenance L70B50	>102000h
Insulation	Basic
Insulation test voltage	1500 V
Classification acc. to IEC 62031	Built-in
Risk group (IEC 62471)	RG1
Type of protection	IP00
Beam characteristic	120 °
Surge protection L-N	2 kV
SVM	<0,4
P_{st} LM	<1

Product details

- For home use
- Driver on board
- Reduced flicker
- Compact slim design
- Non dimmable

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Product code	Photometric code	Useful luminous flux at tp=25 °C	Expected luminous flux at tp rated	Power consumption	Eficacy at tp=25 °C	Expected efficacy at tp rated	Energy classification
J5040L96-830-230V14-2C-V5	830/359	2200 lm	2170 lm	14,6 W	151,0 lm/W	149,0 lm/W	D
J5040L96-840-230V14-2C-V5	840/359	2220 lm	2190 lm	14,3 W	155,0 lm/W	153,0 lm/W	D
J5040L96-840-230V13-2C-U5	840/359	2210 lm	2170 lm	13,0 W	170,0 lm/W	167,0 lm/W	C
J5040L96-930-230V15-2C-U5	930/359	2230 lm	2200 lm	15,5 W	144,0 lm/W	143,0 lm/W	D
J5040L96-940-230V14-2C-U5	940/359	2200 lm	2170 lm	14,4 W	153,0 lm/W	151,0 lm/W	D

Thermal details

Temperature has a great influence on the lifetime of LED products. Exceeding the permissible temperatures can significantly shorten the life of the module or even lead to its destruction. It is necessary to verify compliance with the maximum allowable temperature at the reference point under stable operating conditions. The maximum value should be determined based on the application-specific worst-case conditions. Both reference point temperatures (tc and tp) are measured at the same location.

Instalation

The LED modules are designed for direct mains operation (230 V AC).Installation must be carried out under observation country specific relevant safety regulations and standards. The module is suitable for luminaires of protection class I, grounding is mandatory to comply with safety standards. In case of applications in luminaires of protection class II the safety regulations acc. to luminaire safety standards must be observed. An additional protection against direct touch (test finger) to the light emitting side of the module has to be guaranteed. This is typically achieved by means of a non removable light distributor over the module or by a suitable luminaire construction.

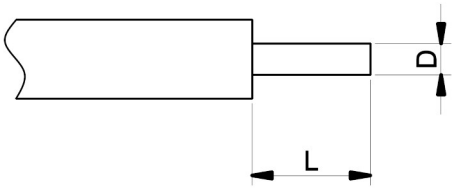
Risk of sulfurization

The LED uses a silver-plated lead frame and its surface color may change to black (or dark colored) when it is exposed to sulfur (S),chlorine (Cl) or other halogen compound. Sulfurization of lead frame may cause intensity degradation, change of chromaticity coordinates and, in extreme cases, open circuit. It requires caution. Due to possible sulfurization of lead frame, the LED Modules should not be usedand stored together with oxidizing substances made of materials such as rubber, plain paper, lead solder cream, etc.

Dimming

Dimmable with phase cutting leading- and trailing-edge dimmer. Due to the used electronic parts on the module not all available phase-cutting dimmers are compatible. Minimum dimmer load has to be observed. The compatibility of the dimmer and the modules has to be confirmed prior to installation to avoide flickering.

Wiring



D – wire cross section	Min	Max
	0,2mm²	0,75mm²
L – strip lenght	Min	Max
	7mm	9mm

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Photometric code

1 digit	2+3 digit	4 digit	5 digit	6 digit
CRI	Colour temperature in Kelvin x 100	MacAdam initial	Mac Adam after 25 % of the lifetime (max. 6000 h)	Luminous flux after 25% of the lifetime (max. 6000 h)
7 70-79				7 ≥ 70
8 80-89				8 ≥ 80
9 ≥90				9 ≥ 90