

LineMAX

R1999

24 LEDs linear module, ZHAGA standard

5 YEARS WARRANTY



CC CONSTANT CURRENT



FEATURES

- PCB dimension: 280x20mm
- ZHAGA compliant dimension
- Up to 2117 lm
- Up to 204 lm/W
- CRI 80, 90
- Max Electrical Insulation 250Vdc
- Max 10 LED boards in series
- Connection type: WAGO 2060 1 Way
- Long lifetime up to 72000h (LED LM80 available on request)

APPLICATIONS



Office



Indoor



Commercial



Industrial

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Performance type HEF

Code	CCT	CRI	Current [mA]	Voltage [V]	Power [W]	Total Lumen [lm]	Lm/W	Energy Efficiency
R1999113080	3000K	80	300	21.5	6.4	1204	188	C
			500	22.2	11.1	1951	176	C
R1999114080	4000K		300	21.5	6.4	1307	204	B
			500	22.2	11.1	2117	191	C

Flux tolerance +/- 10%
Vf Tolerance +/- 5%

Ask for more information about available LED and other options.

Performance type STD

Code	CCT	CRI	Current [mA]	Voltage [V]	Power [W]	Total Lumen [lm]	Lm/W	Energy Efficiency
R1999113080	3000K	80	300	22.2	6.7	1156	172	D
			500	23	11.5	1844	160	D
R1999114080	4000K		300	22.2	6.7	1203	179	C
			500	23	11.5	1919	167	D

Flux tolerance +/- 10%
Vf Tolerance +/- 5%

Ask for more information about available LED and other options.

Performance type ECO

Code	CCT	CRI	Current [mA]	Voltage [V]	Power [W]	Total Lumen [lm]	Lm/W	Energy Efficiency
R1999113080	3000K	80	300	22.3	6.7	1071	160	D
			500	23.1	11.6	1668	144	E
R1999114080	4000K		300	22.3	6.7	1134	169	D
			500	23.1	11.6	1766	152	D

Flux tolerance +/- 10%
Vf Tolerance +/- 5%

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LED and board features	
LED number	24
LED type	2835
Circuit	S8P3
Material	FR4
Solder	White
Connections	
Cable	AWG 18-24 / 0.2-0.75mm ²
Connector	WAGO 2060 1P or WAGO 2070 Reverse Way
Power	
Abs. Max Input current CC	700mA
Mechanical Data	
H x L	279x18,4mm
Thickness	6mm to 6,5 mm based on connectors
Conditions	
Max. temp. (Tp)	+95°C
Max. temp. (Tc)	+85°C
Operating temp. Range	-35°C +60°C

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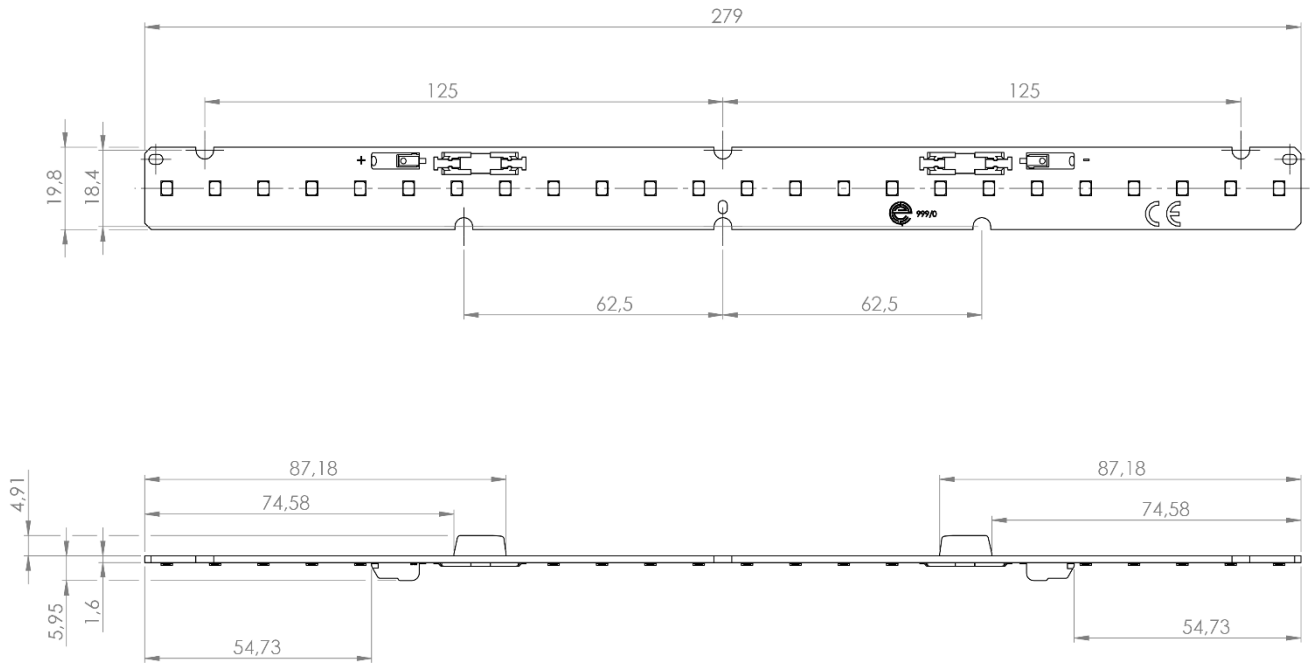
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MECHANICAL DRAWING



ELECTRICAL CIRCUIT

