

LineMAX

R1996

48 LEDs linear module. ZHAGA standard

5 YEARS WARRANTY



CC CONSTANT CURRENT



FEATURES

- PCB dimension: 560x20mm
- ZHAGA compliant dimension
- Up to 4234 lm
- Up to 202 lm/W
- CRI 80, 90
- Max Electrical Insulation 250Vdc
- Max 5 LED boards in series
- Connection type: WAGO 2060 1P/ WAGO 2070 Reverse 1P
- Long lifetime up to 72000h (LED LM80 available on request)

APPLICATIONS



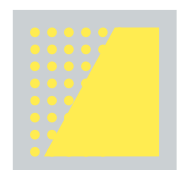
Office



Indoor



Commercial



Backlight

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Performance type HEF

Code	CCT	CRI	Current [mA]	Voltage [V]	Power [W]	Total Lumen [lm]	Lm/W	Energy Efficiency
R1996113080	3000K	80	300	43	12.9	2408	187	C
			500	44.5	22.2	3901	176	C
R1996114080	4000K		300	43	12.9	2613	202	B
			500	44.5	22.2	4234	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
R1996113080	3000K	80	300	44.3	13.3	2312	174	C
			500	46.1	23	3688	160	D
R1996114080	4000K		300	44.3	13.3	2406	181	C
			500	46.1	23	3838	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
R1996113080	3000K	80	300	44.6	13.4	2142	160	D
			500	46.2	23.1	3335	144	E
R1996114080	4000K		300	44.6	13.4	2268	169	D
			500	46.2	23.1	3532	153	D

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

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LED and board features	
LED number	48
LED type	2835
Circuit	SI6P3
Material	FR4
Solder	White
Connections	
Cable	AWG 18-24
Connector	WAGO 2060 1P/ WAGO 2070 Reverse 1P
Power	
Abs. Max Input current CC	700mA
Mechanical Data	
H x L	559x19,8mm
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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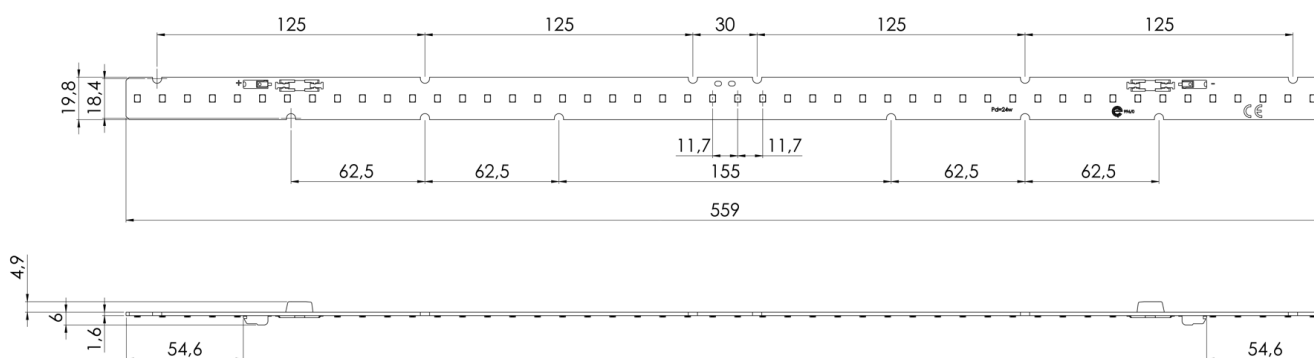
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MECHANICAL DRAWING



ELECTRICAL CIRCUIT

