

## Linear LED modules 280x20 DAISY MINI

A linear solution for premium class office lighting. Optimized for LEDiL DAISY MINI optic.

### Product description

- Long life-time
- Re-workable push-in terminals enabling easy connection
- Compliance and approval : CE
- Small colour tolerance (MacAdam3)
- Tolerance range for optical and electrical  $\pm 10\%$
- For parallel systems, also recognized as a low voltage systems -SELV
- Available CCT from 2200K to 6500K and CRI 80, 90 and 95



### LinLED DAISY CRI 80

Product name	Ordering code	Colour temp. [K]	If nominal [mA]	Luminous flux @ If nom & Tp Φ [lm]	Voltage @ If nom & Tp Vf [V]	Power @ If nom & Tp P [W]	Efficiency @ If nom & Tp [lm/W]	Max. current If [mA]
LinLED 280x20mm 2x550lm 827-865 2x2C 42V Opt G1	101011767946	2700	85	542	39	3,3	163	150
		6500	85	587	39	3,3	176	150
LinLED 280x20mm 1100lm 830 2C 42V Opt G1	101011768046	3000	200	1293	40	7,9	163	300
LinLED 280x20mm 1100lm 840 2C 42V Opt G1	101011768146	4000	200	1359	40	7,9	172	300

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### Temperatures

#### Specification item

Tp	45°C	Temperature related to the performance parameters of the LED modules
Tp rated	65°C	Maximum operating temperature to which the rated performance characteristics are declared
Tc	85°C	Highest permissible value for safe operation

### Electrical & Optical data

Specification item	Unit	Value
Classification acc. to IEC 62031	[V]	built-in
Energy Efficiency Class		A++
Working Voltage	[Vdc]	60
Beam angle	[deg]	120
Initial color consistency	[step]	3
Initial color coordinates		Acc. to CIE 1931
Photobiological safety		RG1 unlimited

### Certificates & standards

Specification item	Compliant
ENEC	No
CE	Yes
RoHS	Yes
REACH	Yes
Zhaga	No
IP rating	No IP rating
Overheating protection	No

### Lumen maintenance

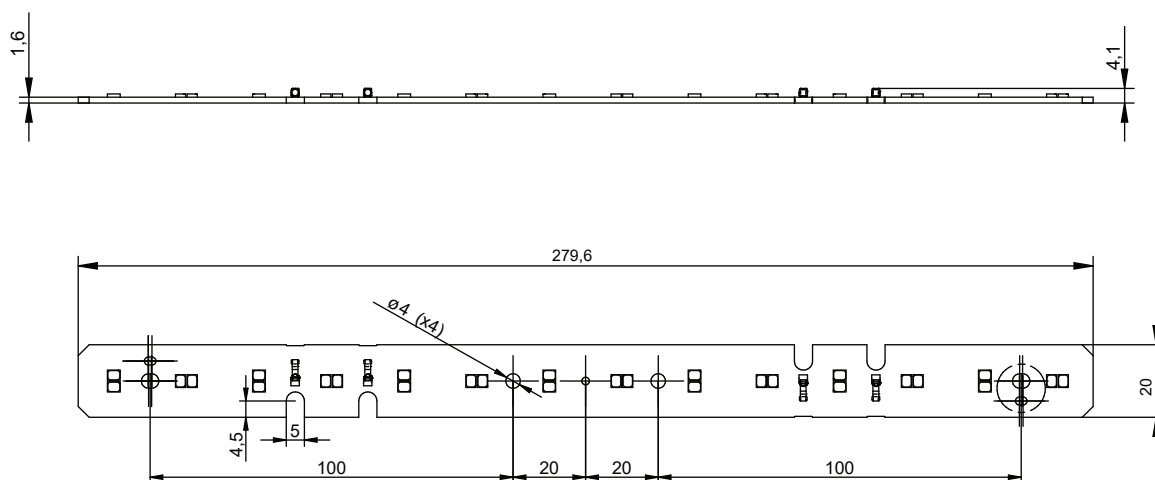
#### LinLED CRI 80

Forward current	Tp temperature	L70 [h]		L80 [h]		L90 [h]	
		B50	B10	B50	B10	B50	B10
If nom	45°C	>60,000	>60,000	>60,000	>60,000	>60,000	>60,000
	55°C	>60,000	>60,000	>60,000	>60,000	>60,000	>60,000
	65°C	>60,000	>60,000	>60,000	>60,000	>60,000	51,000
If max	45°C	>60,000	>60,000	>60,000	>60,000	>60,000	57,000
	55°C	>60,000	>60,000	>60,000	>60,000	>60,000	54,000
	65°C	>60,000	>60,000	>60,000	>60,000	>60,000	48,000

simulation based on LM80 LED data (10,000h)

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### Dimensions



### Mounting

LED Modules cannot be exposed to tensile or compressive stresses.

For this purpose it is necessary that the modules are assembled to a flat surface by only rounded head screws.

Additionally plastic flat washer should be used to ensure creepage distance between screw's head and surface of the pcb.

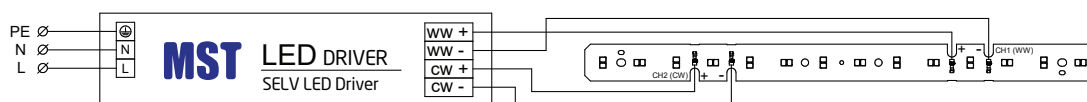
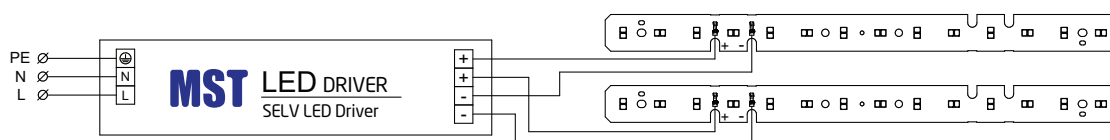
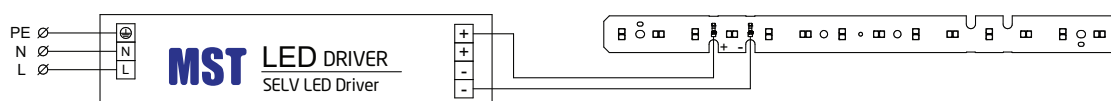
Max. torque for fixing: 0,5Nm

## Linear LED modules 280x20 DAISY MINI

### Connections

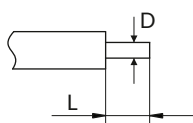
$$I_{LED module} = I_{driver}$$

$$U_{driver} = U_{f LED module} * \text{Number of modules}$$



### Wiring

Wire cross section and strip length:



D - wire cross section	0.2mm <sup>2</sup> -0.35mm <sup>2</sup>	AWG 24-22	solid and flexible wires
	0.5mm <sup>2</sup>	AWG 20	solid wires

L - strip length: 5.5 ±0.3mm

Max insulation diameter: 1.75mm

