

Linear LED modules 280x28mm DAISY 7x1

A linear solution for premium class office lighting. Optimized for LEDiL DAISY 7x1 optics

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 280x28mm

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 280x28mm 2x550lm 827-865 2x2C 42V Opt G1	101011764046	2700	85	542	39	3,3	163	150
		6500	85	587	39	3,3	176	150
LinLED 280x28mm 1100lm 830 2C 42V Opt G1	101011764146	3000	165	1086	39	6,5	168	300
LinLED 280x28mm 1100lm 840 2C 42V Opt G1	101011764246	4000	165	1142	39	6,5	177	300

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Temperatures

Specification item

T_p	45°C	Temperature related to the performance parameters of the LED modules
T_{p rated}	65°C	Maximum operating temperature to which the rated performance characteristics are declared
T_c	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]	350
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

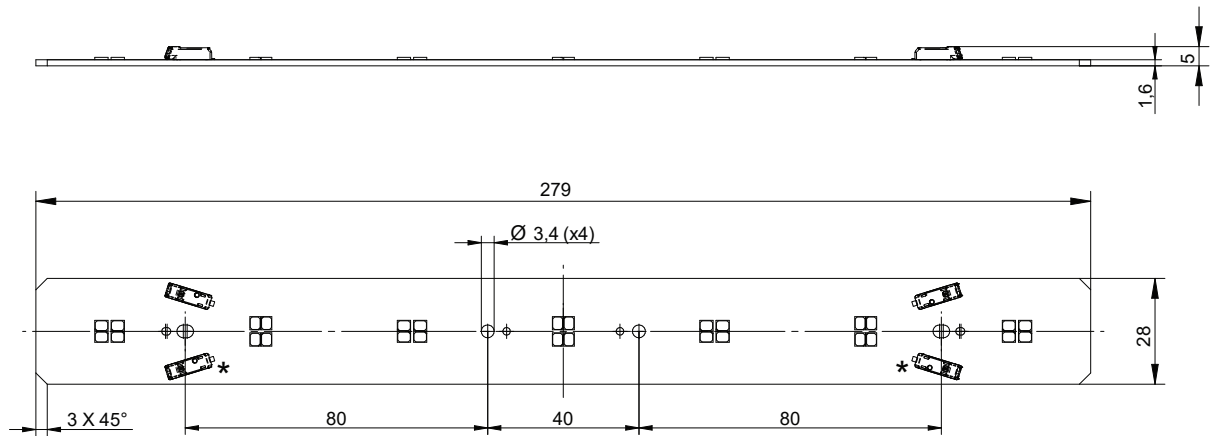
LinLED CRI 80

Forward current	T _p 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	52,000
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



12NC	Product name	Connectors (*)
1010 117 64046	LinLED 280x28mm 2x550lm 827-865 2x2C 42V Opt G1	Yes
1010 117 64146	LinLED 280x28mm 1100lm 830 2C 42V Opt G1	No
1010 117 64246	LinLED 280x28mm 1100lm 840 2C 42V Opt G1	No

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.

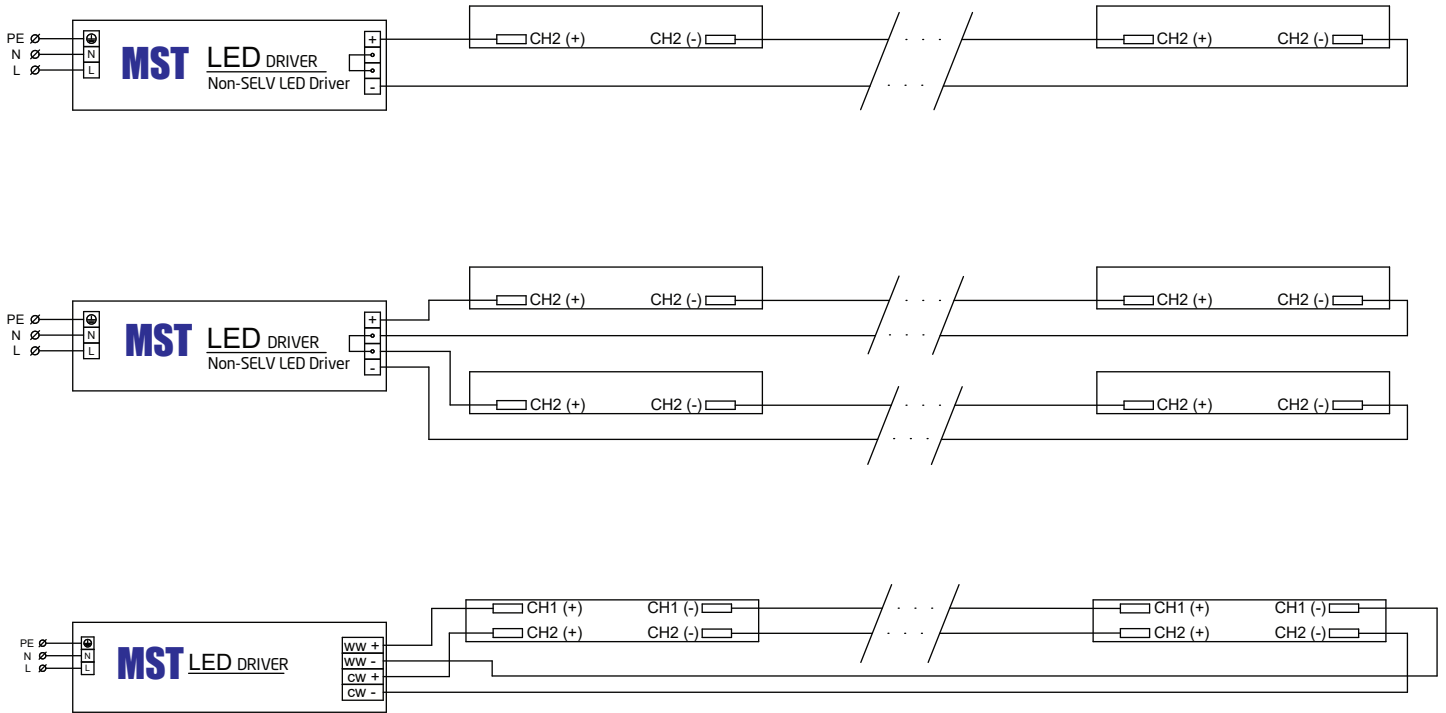
Max. torque for fixing: 0,5Nm

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Connections

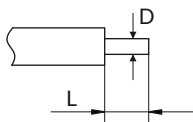
$$I_{LED\ module} = I_{driver}$$

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



Wiring

Wire cross section and strip length:



D - wire cross section <i>solid and flexible wires</i>	Min	Max
	0.2mm ²	0.75mm ²
	AWG 18	AWG 24

L - strip length	Min	Max
	8mm	9mm

Opening for the release of wires from the top with release pin Electroterminal art. 881 167 884:

