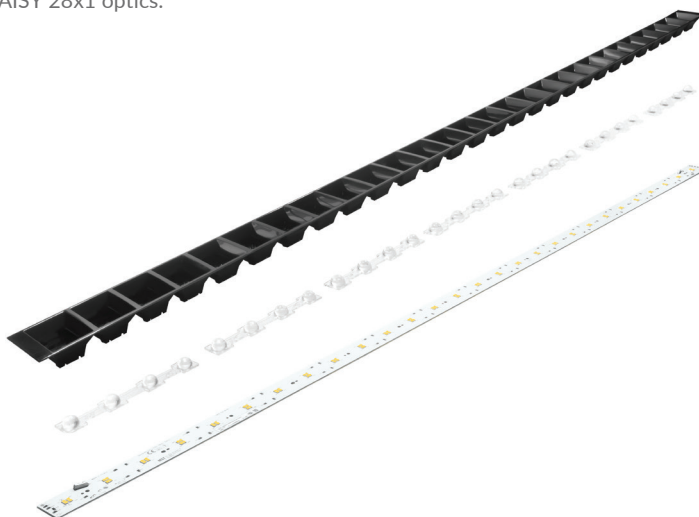


Linear LED modules 1120x28mm DAISY 28x1

A linear solution for premium class office lighting. Optimized for LEDiL DAISY 28x1 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 $\pm 10\%$
- 2C - two connectors for series connection system, also recognized as a high voltage system - non-SELV
- Available CCT from 2200K to 6500K and CRI 80, 90 and 95



LinLED 1120x28mm

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 1120x28mm 2x2200lm 827-865 2x2C 84V Opt G1	101011762446	2700 6500	165	2109 2283	80	13	161 174	300
LinLED 1120x28mm 2200lm 830 2C 84V Opt G1	101011762246	3000	165	2172	80	13	166	300
LinLED 1120x28mm 2200lm 840 2C 84V Opt G1	101011762346	4000	165	2283	80	13	174	300
LinLED 1120x28mm 4400lm 830 2C 84V Opt G1	101011762546	3000	330	4344	80	20	166	600
LinLED 1120x28mm 4400lm 840 2C 84V Opt G1	101011762646	4000	330	4566	80	20	174	600

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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

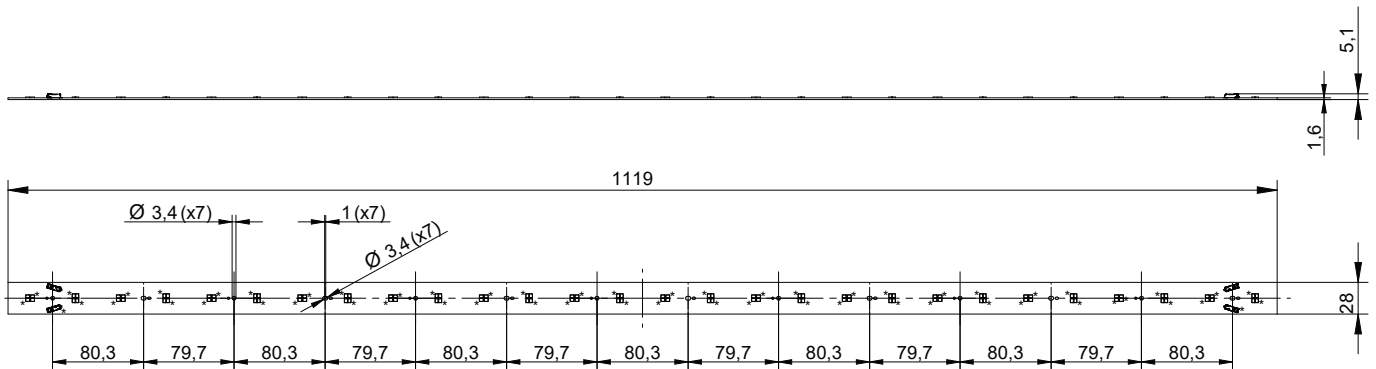
LinLED CRI 80

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



Ordering code	Product name	Connectors (*)	LED(*)
1010 117 62200	LinLED 1120x28mm 2200lm 830 2C 84V Opt G1	No	No
1010 117 62300	LinLED 1120x28mm 2200lm 840 2C 84V Opt G1	No	No
1010 117 62400	LinLED 1120x28mm 2x2200lm 827-865 2x2C 12V Opt G1	Yes	Yes
1010 117 62500	LinLED 1120x28mm 4400lm 830 2C 84V Opt G1	No	Yes
1010 117 62600	LinLED 1120x28mm 4400lm 840 2C 84V Opt G1	No	Yes

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.

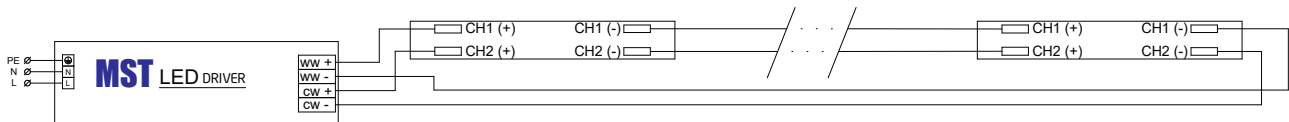
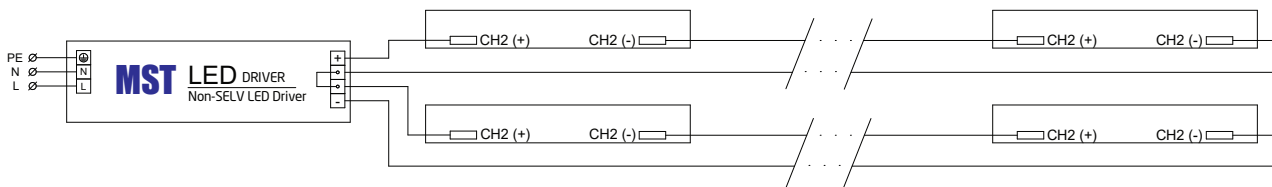
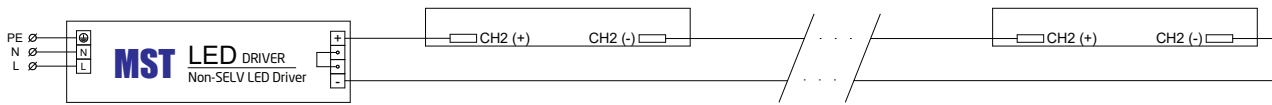
Max. torque for fixing: 0,5Nm

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Connections

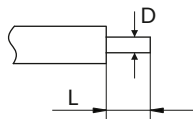
$$I_{LED\ module} = I_{driver}$$

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



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:

