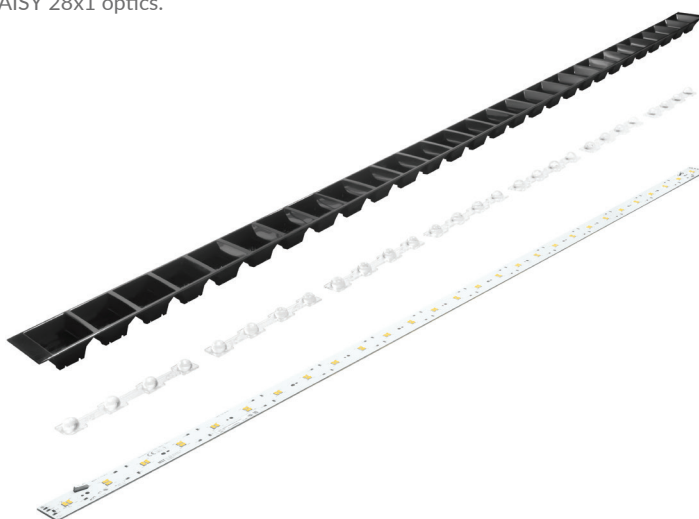


## Linear LED modules 1120x28mm DAISY 28x1

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             | 165             | 2109                               | 80                           | 13                        | 161                             | 300                  |
|                                                   |               | 6500             | 165             | 2283                               | 80                           | 13                        | 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                  |

## Linear LED modules 1120x28mm DAISY 28x1

### 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]  | 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

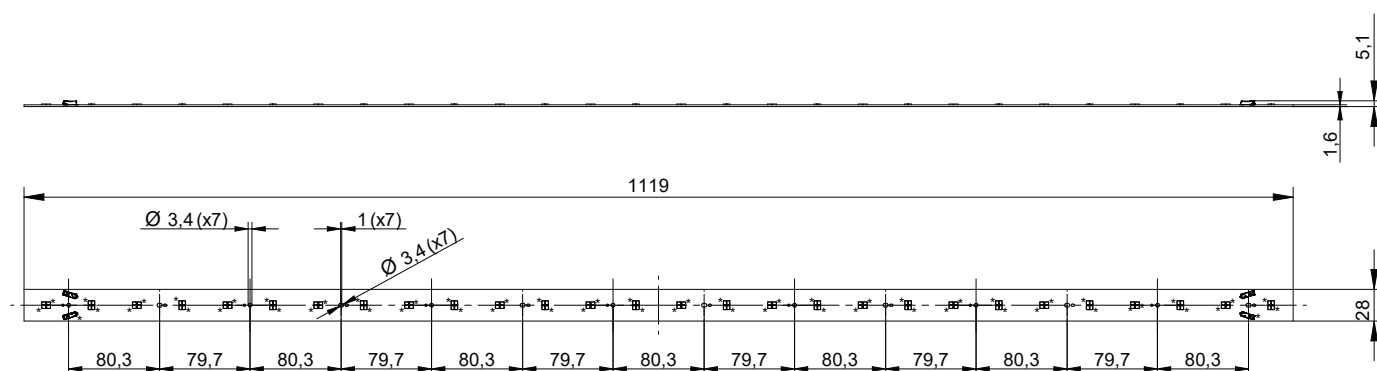
#### LinLED CRI 80

| Forward current | 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 | 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)

## Linear LED modules 1120x28mm DAISY 28x1

### 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.

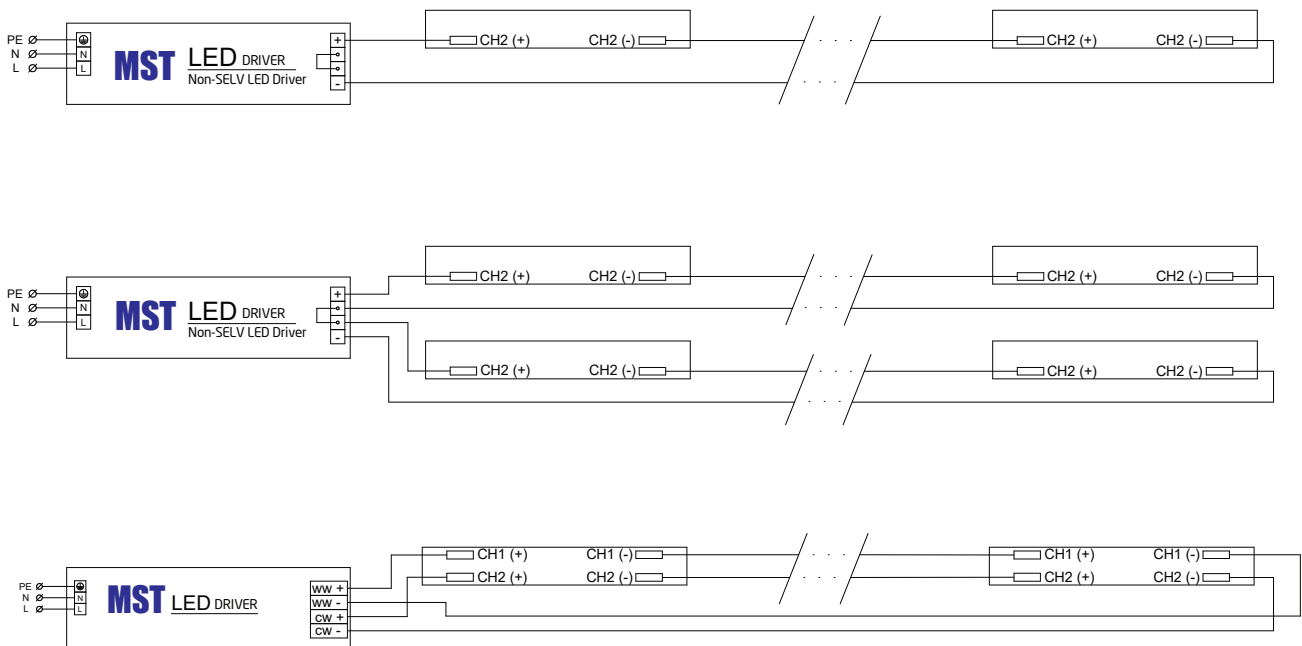
Max. torque for fixing: 0,5Nm

## Linear LED modules 1120x28mm DAISY 28x1

### Connections

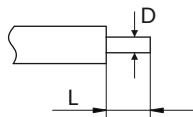
$$I_{LED module} = I_{driver}$$

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



### Wiring

Wire cross section and strip length:



| D - wire cross section<br>solid and flexible wires | Min                | Max                 |
|----------------------------------------------------|--------------------|---------------------|
|                                                    | 0.2mm <sup>2</sup> | 0.75mm <sup>2</sup> |
|                                                    | 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:

