

## Linear LED modules 279x10.5mm DALINE-10

A linear solution for architectural lighting. Optimized for LEDiL's DALINE-10 optics.

### Product description

- Long life-time
- Built-in, constant current LED module
- Re-workable push-in terminals enabling easy connection
- Compliance and approval: CE
- Other CCT and CRI on request



### LinLED CRI 80 CJ G4

| Product name                                              | Ordering code  | Colour temperature [K] | Current nominal If nom [mA] | Luminous flux <sup>1</sup> Φ [lm] | Useful luminous flux <sup>2</sup> [lm] | Voltage Vf [V] | Power <sup>1</sup> P [W] | Efficacy <sup>1</sup> [lm/W] | Current minimum If min <sup>3</sup> [mA] | Current maximum If max [mA] | Energy Efficiency Class |
|-----------------------------------------------------------|----------------|------------------------|-----------------------------|-----------------------------------|----------------------------------------|----------------|--------------------------|------------------------------|------------------------------------------|-----------------------------|-------------------------|
| LinLED 279x10.5mm 1100lm 827 4C 36V DALINE-10 CJ          | 1010 137 34646 | 2700                   | 185                         | 1047                              | 1074                                   | 33             | 6.0                      | 174                          | 20                                       | 600                         | C                       |
| G4 LinLED 279x10.5mm 1100lm 830 4C 36V DALINE-10          | 1010 137 07146 | 3000                   | 185                         | 1122                              | 1150                                   | 33             | 6.0                      | 186                          | 20                                       | 600                         | C                       |
| CJ G4 LinLED 279x10.5mm 1100lm 840 4C 36V DALINE-10 CJ G4 | 1010 137 07246 | 4000                   | 185                         | 1167                              | 1196                                   | 33             | 6.0                      | 193                          | 20                                       | 600                         | C                       |

<sup>1</sup>At nominal current and Tp

<sup>2</sup>At nominal current and 25°C

<sup>3</sup>It is recommended not to operate below minimum current in order to avoid un-even brightness  
Tolerance range for optical and electrical ±10%

### Temperature & humidity

| Specification item                         | Unit | Value       |
|--------------------------------------------|------|-------------|
| Tp                                         | [°C] | 45          |
| Tp rated                                   | [°C] | 65          |
| Tc                                         | [°C] | 85          |
| Relative humidity (non-condensing)         | [%]  | 5 ... 85    |
| Storage ambient temperature                | [°C] | -25 ... +85 |
| Storage relative humidity (non-condensing) | [%]  | 5 ... 85    |

Tp - Temperature related to the performance parameters of the LED modules

Tp rated - Maximum operating temperature to which the rated performance characteristics are declared

Tc - Highest permissible value for safe operation

### Technical data

| Specification item               | Unit   | Value         |
|----------------------------------|--------|---------------|
| Classification acc. to IEC 62031 |        | built-in      |
| Working voltage                  | [Vdc]  | 60            |
| Beam angle                       | [deg]  | 120           |
| Initial color consistency        | [SDCM] | 3             |
| Photobiological safety           |        | RG1 unlimited |

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### Color coordinates

According to CIE 1931

| Specification item | CIE <sub>x</sub> | CIE <sub>y</sub> |
|--------------------|------------------|------------------|
| 2700K              | 0.4578           | 0.4101           |
| 3000K              | 0.4338           | 0.4030           |
| 4000K              | 0.3818           | 0.3797           |
| 6500K              | 0.3123           | 0.3282           |

### Certificates & standards

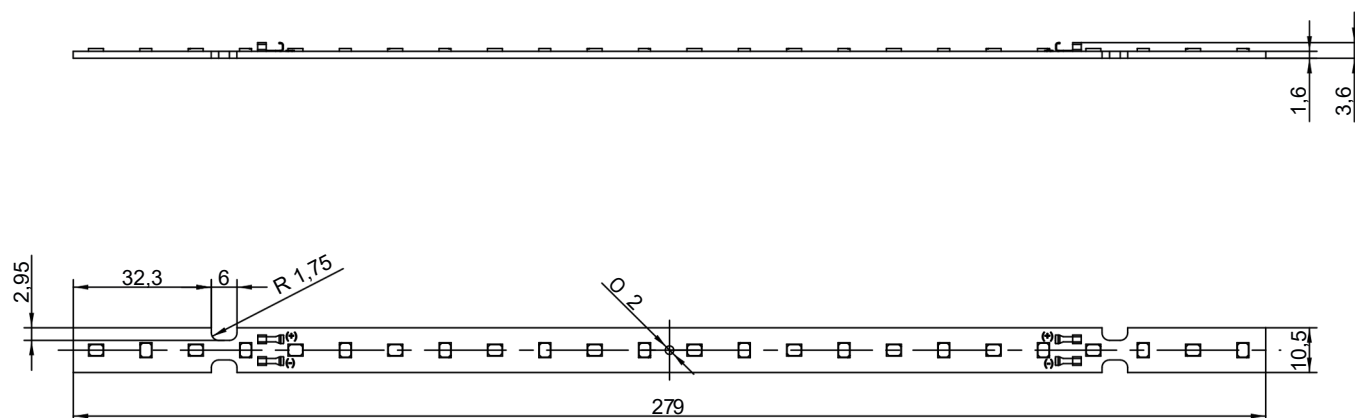
| Specification item | Compliant    |
|--------------------|--------------|
| ENEC               | No           |
| CE                 | Yes          |
| RoHS               | Yes          |
| REACH              | Yes          |
| IP rating          | No IP rating |

### Lumen maintenance

| Forward current | Tp temp.     | L70 [h]  |          | L80 [h]  |          | L90 [h]  |          |
|-----------------|--------------|----------|----------|----------|----------|----------|----------|
|                 |              | B50      | B10      | B50      | B10      | B50      | B10      |
| If nom          | 45°C>102 000 | >102 000 | >102 000 | >102 000 | >102 000 | >102 000 | >102 000 |
|                 | 55°C>102 000 | >102 000 | >102 000 | >102 000 | >102 000 | >102 000 | >102 000 |
|                 | 65°C>102 000 | >102 000 | >102 000 | >102 000 | >102 000 | 87 000   | 86 000   |
|                 | 75°C>102 000 | >102 000 | >102 000 | >102 000 | >102 000 | 74 000   | 73 000   |
|                 | 85°C>102 000 | >102 000 | >102 000 | >102 000 | >102 000 | 63 000   | 62 000   |
| If max          | 45°C>102 000 | >102 000 | >102 000 | >102 000 | >102 000 | >102 000 | >102 000 |
|                 | 55°C>102 000 | >102 000 | >102 000 | >102 000 | >102 000 | 90000    | 89000    |
|                 | 65°C>102 000 | >102 000 | >102 000 | >102 000 | >102 000 | 77 000   | 76 000   |
|                 | 75°C>102 000 | >102 000 | >102 000 | >102 000 | >102 000 | 65 000   | 64 000   |
|                 | 85°C>102 000 | >102 000 | >102 000 | >102 000 | >102 000 | 55 000   | 54 000   |

Reported data based on LM80 LED data (17 000h)

### Dimensions



### Mounting

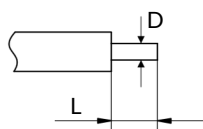
LED Modules cannot be exposed to tensile or compressive stresses. For this purpose it is necessary that the modules are assembled to a flat surface by only rounded head screws. Additionally plastic flat washer should be used to ensure creepage distance between screw's head and surface of the pcb. Max. torque for fixing: 0,5Nm.

LED modules are sensitive to electrostatic discharge (ESD). Follow safety regulations according to IEC 61340-5-1.

## Linear LED modules 279x10.5mm DALINE-10

### Wiring

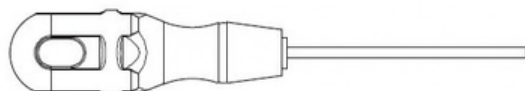
Wirecrosssection and strip length:



| D - wire cross section<br>(solid and flexible wires) | Min                 | Max                 |
|------------------------------------------------------|---------------------|---------------------|
|                                                      | 0.08mm <sup>2</sup> | 0.35mm <sup>2</sup> |
|                                                      | AWG 28              | AWG 22              |

| L - strip length | Min | Max |
|------------------|-----|-----|
|                  | 3mm | 4mm |

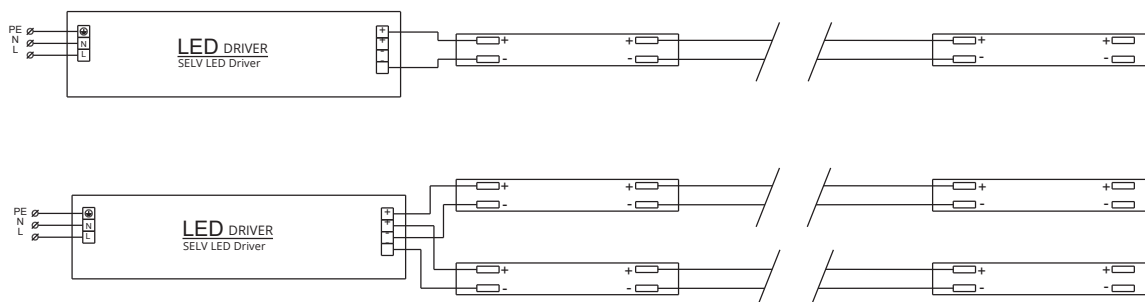
Opening for the release of wires with contact  
opening tool AVX art. 06-9296-7001-01-000:



### Connections

| Max number of modules | Unit  | Series | Parallel |
|-----------------------|-------|--------|----------|
| LinLED 279x10.5mm     | [pcs] | -      | 6        |

Wiring for parallel connection system



### Ordering codes

| Product name                                              | Ordering code  | Pieces per box | Pieces per pallet | Box dimensions [mm] |
|-----------------------------------------------------------|----------------|----------------|-------------------|---------------------|
| LinLED 279x10.5mm 1100lm 827 4C 36V DALINE-10 CJ          | 1010 137 34646 | 252            | 30240             | 300 x 266 x 83      |
| G4 LinLED 279x10.5mm 1100lm 830 4C 36V DALINE-10          | 1010 137 07146 | 252            | 30240             | 300 x 266 x 83      |
| CJ G4 LinLED 279x10.5mm 1100lm 840 4C 36V DALINE-10 CJ G4 | 1010 137 07246 | 252            | 30240             | 300 x 266 x 83      |