

**Module LLE 20mm 750lm CRI90 LV MINI DAISY ADV1 (LEDiL)**

Modules LLE advanced



LLE 20x280mm 750lm LV MD ADV1



Module with LEDiL DAISY-MINI lens system



For articles manufactured at Tridonic SRB d.o.o.

**Product description**

- \_ Ideal for linear luminaires
- \_ 4 terminals for parallel wiring
- \_ SELV module – the single module has a forward voltage < 60 V
- \_ Push terminals for quick and simple wiring of LED module to LED module
- \_ Design for LEDiL DAISY-MINI portfolio
- \_ HE ... High Efficiency, NM ... Nominal Mode, HO ... High Output
- \_ Orders only in full carton quantities.
- \_ Long lifetime up to 72,000 hours
- \_ 5 years guarantee (conditions at [www.tridonic.com](http://www.tridonic.com))

**Optical properties**

- \_ Colour temperatures 3,000 and 4,000 K
- \_ Useful luminous flux 1,801 lm at Irated and tp = 25 °C
- \_ Efficacy of the LED module 148 lm/W at Irated and tp = 25 °C
- \_ High colour rendering index CRI > 90
- \_ High colour consistency (MacAdam 3) ①
- \_ Small luminous flux tolerances

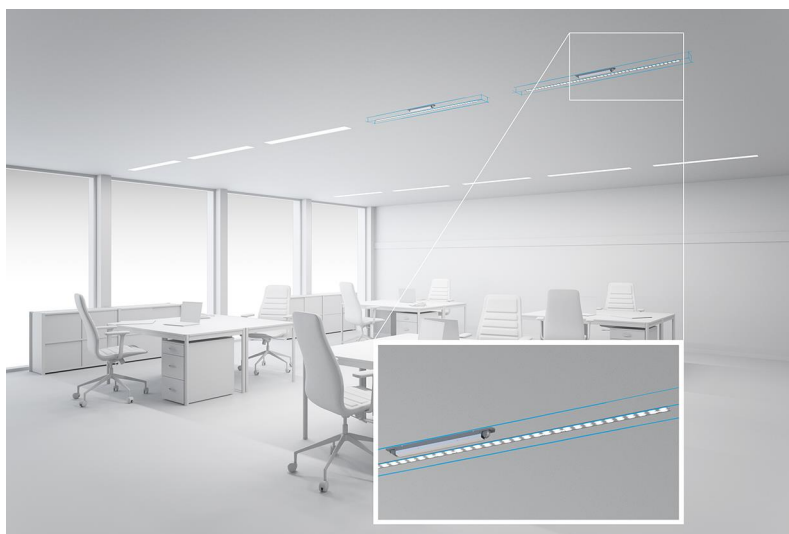
**Mechanical properties**

- \_ Module dimension 20 x 280 mm
- \_ Simple installation of lens and module with M3 screws

**System solution**

- \_ Combine Tridonic's LED modules and dimmable drivers to achieve an outstanding system efficacy (configuration possible via <https://setbuilder.tridonic.com/>)

① Integral measurement over the complete module.

**Website**<http://www.tridonic.com/28003859>

Spotlights



Downlights



Linear



Area



Floor | Wall



Free-standing



Street

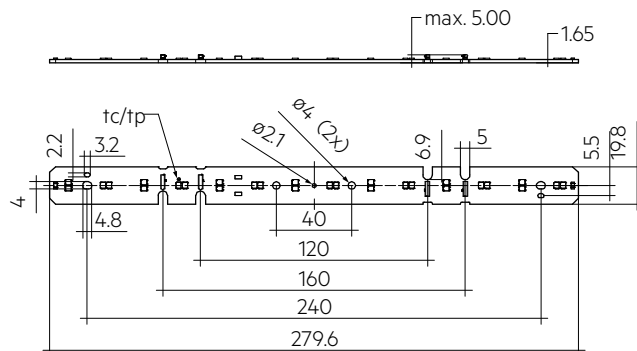


Decorative



High bay

**The complete data sheet for this product is available in the Downloads section.**



| Type                              | Article number | Colour temperature | Packaging, carton | Weight per pc. |
|-----------------------------------|----------------|--------------------|-------------------|----------------|
| LLE 20x280mm 750lm 940 LV MD ADV1 | 28003859       | 4,000 K            | 210 pc(s).        | 0.016 kg       |

|                                               |                     |
|-----------------------------------------------|---------------------|
| Beam characteristic                           | 120°                |
| Ambient temperature ta                        | -40 ... +65 °C      |
| tp rated                                      | 55 °C               |
| tc                                            | 80 °C               |
| Irated for 750 lm                             | 100 mA              |
| I <sub>max</sub> for 750 lm                   | 360 mA              |
| Max. permissible LF current ripple for 750 lm | 390 mA              |
| Max. permissible peak current for 750 lm      | 600 mA / max. 10 ms |
| Max. working voltage for insulation SELV ®    | < 60 V              |
| Insulation test voltage                       | 0.5 kV              |
| CTI of the printed circuit board              | ≥ 600               |
| ESD classification                            | Severity level 2    |
| Risk group (IEC 62471) ®                      | RG0                 |
| Classification acc. to IEC 62031              | Built-in            |
| Type of protection                            | IP00                |
| Lumen maintenance L70B50                      | 72,000 h            |
| Guarantee                                     | 5 Year(s)           |



IEC 62031, IEC 62471, IEC 61000-4-2, IEC 62778, IEC 61547

## Specific technical data

| Type                                                    | Article number | Photometric code | Useful luminous flux at tp = 25 °C <sup>②</sup> | Expected luminous flux at tp rated <sup>⑤</sup> | Typ. forward current | Min. forward voltage at tp rated | Max. forward voltage at tp = 25 °C | Power consumption Pon at tp = 25 °C <sup>⑥</sup> | Efficacy of the module at tp = 25 °C | Expected efficacy of the module at tp rated | Colour rendering index CRI |
|---------------------------------------------------------|----------------|------------------|-------------------------------------------------|-------------------------------------------------|----------------------|----------------------------------|------------------------------------|--------------------------------------------------|--------------------------------------|---------------------------------------------|----------------------------|
| <b>LLE 20x280mm 750lm – Operating mode HE at 100 mA</b> |                |                  |                                                 |                                                 |                      |                                  |                                    |                                                  |                                      |                                             |                            |
| LLE 20x280mm 750lm 940 LV MD ADV1                       | 28003859       | 940/359          | –                                               | 595 lm                                          | 100 mA               | 36.0 V                           | 39.3 V                             | –                                                | –                                    | 159 lm/W                                    | >90                        |
| <b>LLE 20x280mm 750lm – Operating mode HE at 200 mA</b> |                |                  |                                                 |                                                 |                      |                                  |                                    |                                                  |                                      |                                             |                            |
| LLE 20x280mm 750lm 940 LV MD ADV1                       | 28003859       | 940/359          | –                                               | 1,151 lm                                        | 200 mA               | 37.4 V                           | 40.7 V                             | –                                                | –                                    | 149 lm/W                                    | >90                        |
| <b>LLE 20x280mm 750lm – Operating mode NM at 300 mA</b> |                |                  |                                                 |                                                 |                      |                                  |                                    |                                                  |                                      |                                             |                            |
| LLE 20x280mm 750lm 940 LV MD ADV1                       | 28003859       | 940/359          | 1,801 lm                                        | 1,681 lm                                        | 300 mA               | 38.6 V                           | 42.0 V                             | 12.2 W                                           | 148 lm/W                             | 140 lm/W                                    | >90                        |

② If mounted with M3 screws in combination with LEDIL DAISY lens.

③ Measured at Imax.

④ Tolerance of useful light flux - 0 % / + 15 %. Measurement uncertainty ± 10 %.

⑤ Tolerance of expected light flux - 0 % / + 15 %. Measurement uncertainty ± 10 %. Based on calculation.

⑥ Tolerance of power consumption Pon ± 10 %. Measurement uncertainty ± 5 %.