

## LIGHT ENGINE DAISY 8x1 32 LEDs 303.7mm x 20mm

|            |              |
|------------|--------------|
| Issue Date | January 2022 |
| Issued by  | Kevin, C.    |

**Applications**

- Office Linear Lighting
- Retail Linear Lighting
- UGR Optimized Lighting
- Dark Light

**Characteristics**

- Module Efficacy – up to 167 lm/W
- L70 > 50,000 hours
- CRI > 90 (Typ.95)
- 03 SDCM
- CCTs 3000K / 3500K / 4000K
- 05 years warranty

**DRIVING CURRENTS**

| Parameter                                     | Nominal | Max     |
|-----------------------------------------------|---------|---------|
| Light Engine Daisy 8x1 32 LEDs 303.7mm x 20mm | 200mA   | 1,920mA |

**MODULE TEMPERATURES**

| Parameter                         | Nominal | Max   |
|-----------------------------------|---------|-------|
| Tc (case temperature at Tc point) | 75 °C   | 85 °C |

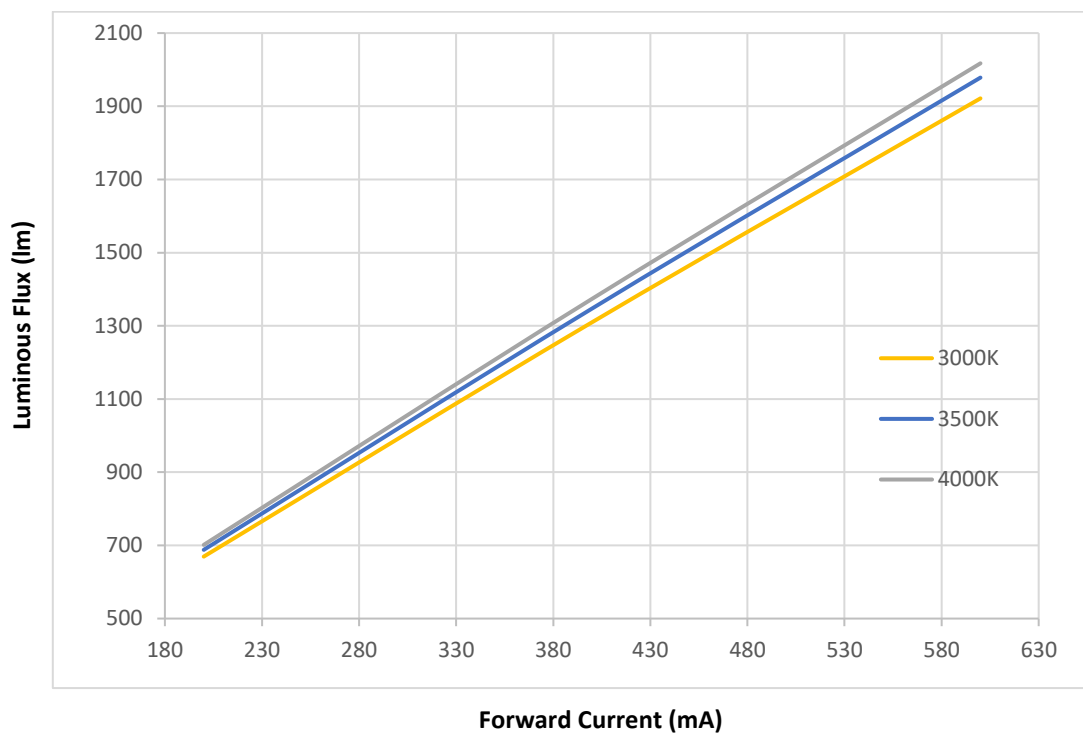
**PRODUCT PART NUMBER**

| 80411000100 | 80411100100 | 80411200100 |
|-------------|-------------|-------------|
| 3000K       | 3500K       | 4000K       |

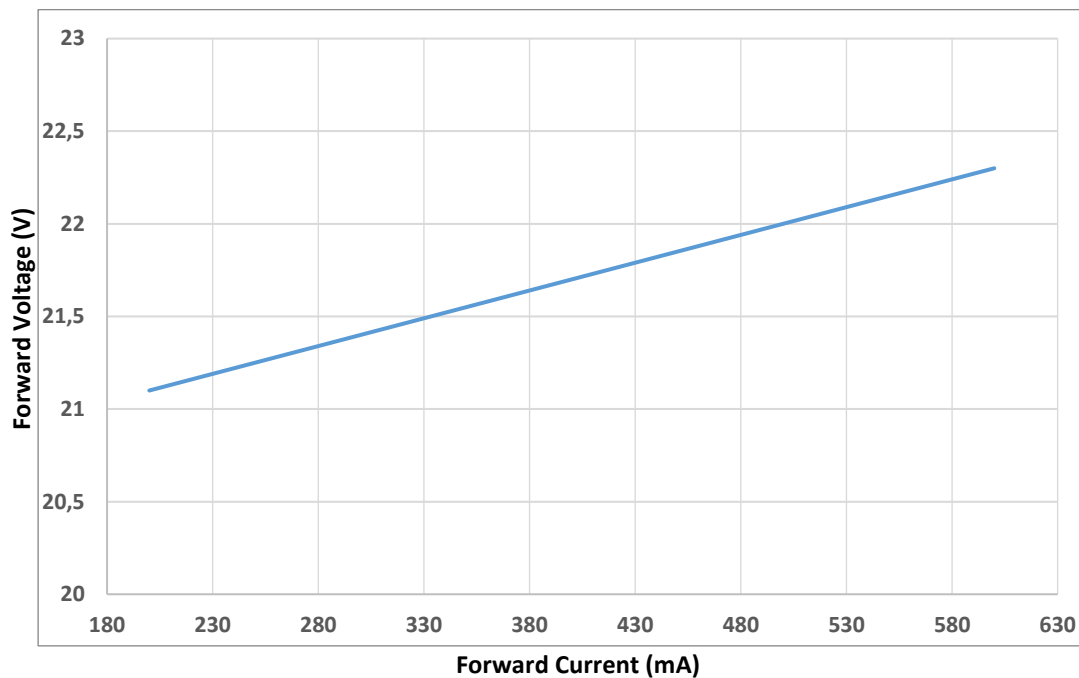
**TECHNICAL INFORMATION**

| CCT   | LED Driver Current (mA) | # LEDs | Luminous Flux (lm) | Forward Voltage (V) | LED Forward Current (mA) | TC (°C) | Power (W) | Efficacy (lm/W) |
|-------|-------------------------|--------|--------------------|---------------------|--------------------------|---------|-----------|-----------------|
| 3000K | 200                     | 32     | 669.4              | 21.1                | 50                       | 75      | 4.2       | 159.4           |
| 3000K | 400                     | 32     | 1,309.8            | 21.7                | 100                      | 75      | 8.7       | 150.5           |
| 3000K | 600                     | 32     | 1,921.5            | 22.3                | 150                      | 75      | 13.4      | 143.4           |
| 3500K | 200                     | 32     | 687.8              | 21.1                | 50                       | 75      | 4.2       | 163.8           |
| 3500K | 400                     | 32     | 1,347.3            | 21.7                | 100                      | 75      | 8.7       | 154.9           |
| 3500K | 600                     | 32     | 1,978.3            | 22.3                | 150                      | 75      | 13.4      | 147.6           |
| 4000K | 200                     | 32     | 701.4              | 21.1                | 50                       | 75      | 4.2       | 167             |
| 4000K | 400                     | 32     | 1,373.8            | 21.7                | 100                      | 75      | 8.7       | 157.9           |
| 4000K | 600                     | 32     | 2,017.3            | 22.3                | 150                      | 75      | 13.4      | 150.5           |

Luminous Flux (lm) x Forward Current (mA) (TC 75°C)



Forward Voltage (V) x Forward Current (mA) (TC 75°C)

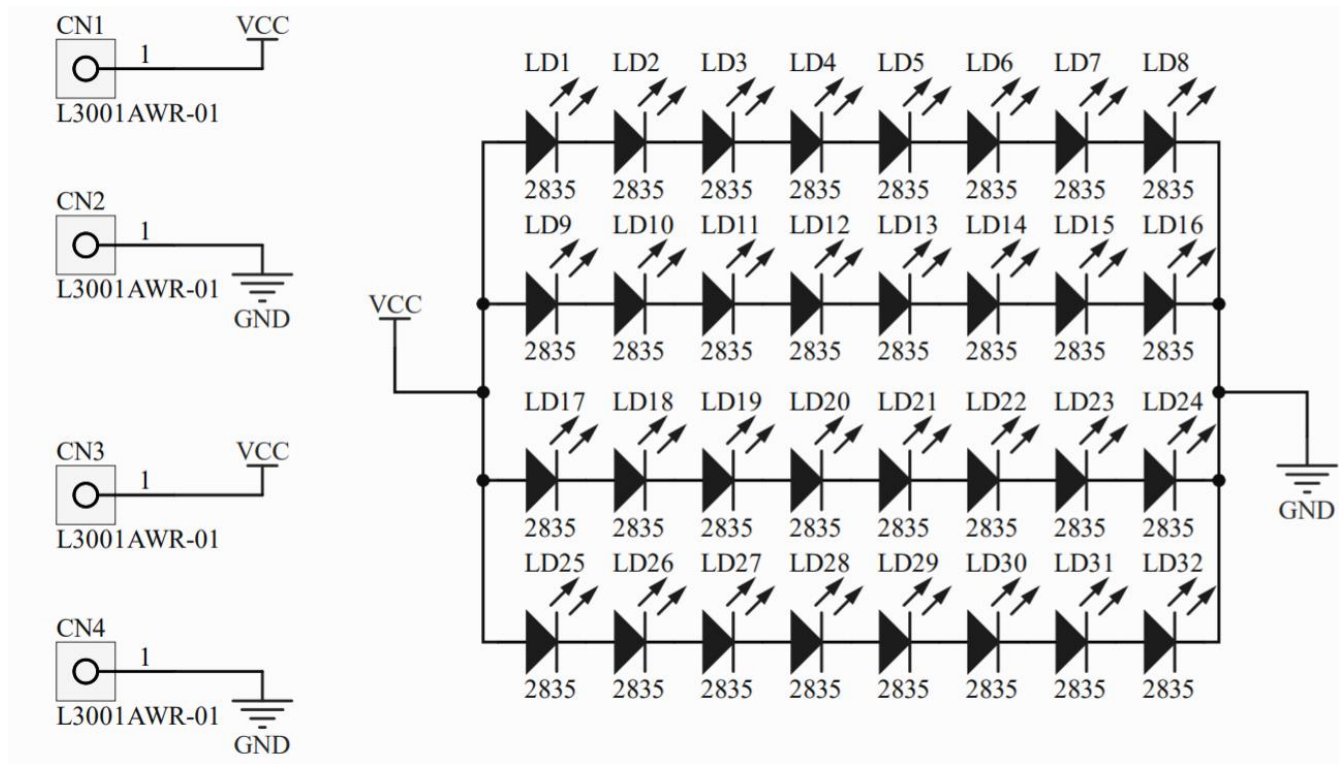


## LED TYPE

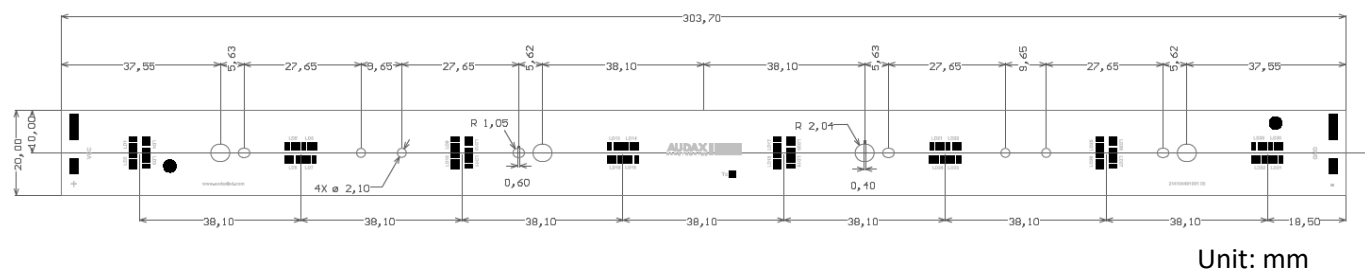
Manufacturer: Lumileds

LED Series: Luxeon 2835 HE

SCHEMATICS

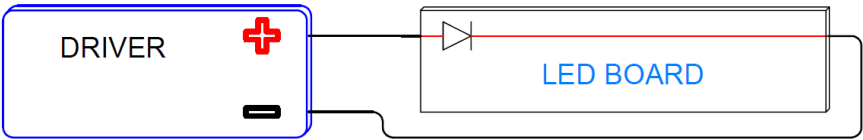


MECHANICAL DRAWING



WIRING

| Specification item        | Value                  | Unit                   | Condition     |
|---------------------------|------------------------|------------------------|---------------|
| Input wire cross- section | 0.25...0.75<br>18...24 | mm <sup>2</sup><br>AWG | Solid wire    |
| Input wire strip length   | 7.5...8.5              | mm                     | Solid wire    |
| Input wire cross-section  | 0.33...0.5<br>20...22  | mm <sup>2</sup><br>AWG | Stranded wire |
| Input wire strip length   | 7.5...8.5              | mm                     | Stranded wire |



## COMPATIBLE OPTICS

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| Manufacturer | Part Number               | Color | Material | Beam |
|--------------|---------------------------|-------|----------|------|
| LEDiL        | C17174_DAISSY-4X1-W-US    | Clear | PMMA     | ~50° |
| LEDiL        | C17173_DAISSY-4X1-WW-US   | Clear | PMMA     | ~80° |
| LEDiL        | C17341_DAISSY-4X1-WW-US-D | Milky | PMMA     | ~80° |
| LEDiL        | C17342_DAISSY-4X1-W-US-D  | Milky | PMMA     | ~50° |
| LEDiL        | C17819_DAISSY-4X1-M-US    | Clear | PMMA     | ~35° |
| LEDiL        | C18109_DAISSY-4X1-M-D-US  | Milky | PMMA     | ~35° |