

LIGHT ENGINE DAISY 28 LEDs 277.5mm x 20mm – Tunable White

Issue Date	October, 2019
Issued by	Malassise, V.

Applications

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

Characteristics

- Module Efficacy – up to 183 lm/W
- L70 > 50.000 hours
- CRI > 80 (Typ.85)
- 03 SDCM
- CCTs 2,700K to 5,000K (Tunable)
- 05 years warranty

**DRIVE CURRENTS**

Parameter	Nominal (per channel)	Max (per channel)
Light Engine Daisy 28 LEDs 277.5mm x 20mm	350 mA	1,400 mA

MODULE TEMPERATURES

Parameter	Nominal	Max
Tc (case temperature at Tc point)	60 °C	85 °C

PRODUCT PART NUMBER

80255100100

Tunable White

TECHNICAL INFORMATION

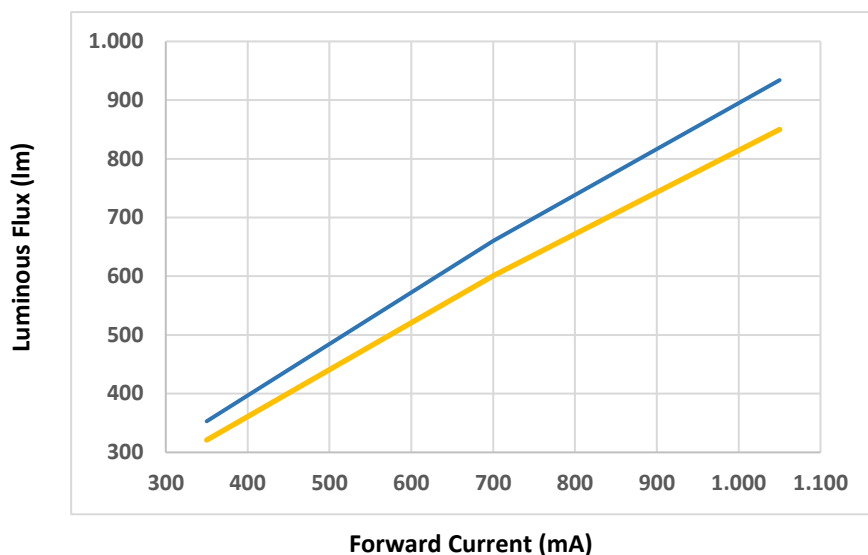
CCT	LED Driver Current (mA)	# LEDs	Luminous Flux (lm)*	Forward Voltage (V)	LED Forward Current (mA)	TC (°C)	Power (W)	Efficacy (lm/W)*
3,000 K	350	14	321	5.5	50	60	1.9	169
3,000 K	700	14	601	5.7	100	60	4.0	150
3,000 K	1,050	14	850	6.0	150	60	6.3	135
3,500 K	350	14	353	5.5	50	60	1.9	186
3,500 K	700	14	660	5.7	100	60	4.0	165
3,500 K	1,050	14	934	6.0	150	60	6.3	148

LED TYPE

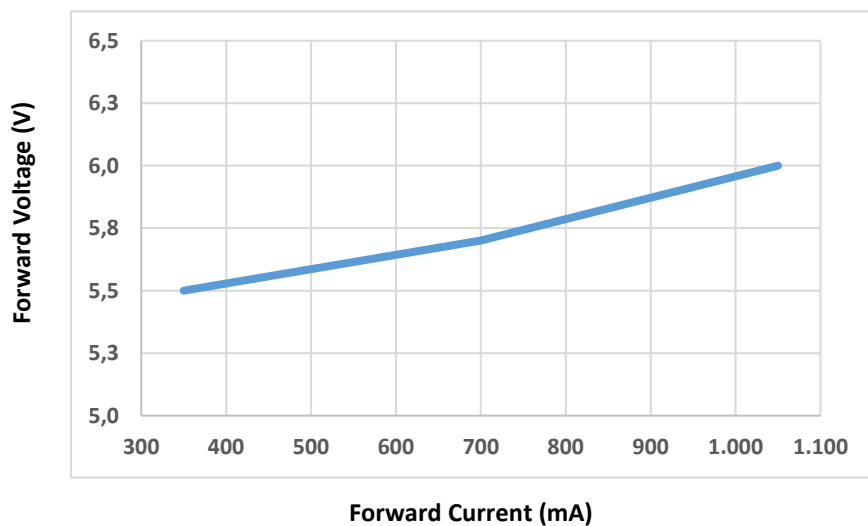
Manufacturer: Lumileds

LED Series: 2835 CA

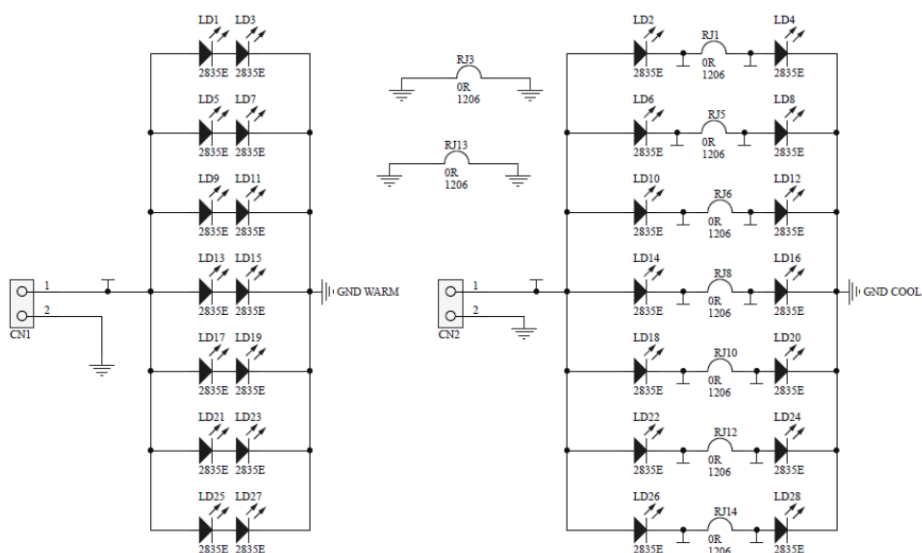
Luminous Flux (lm) x Forward Current (mA) (TC 60°C)



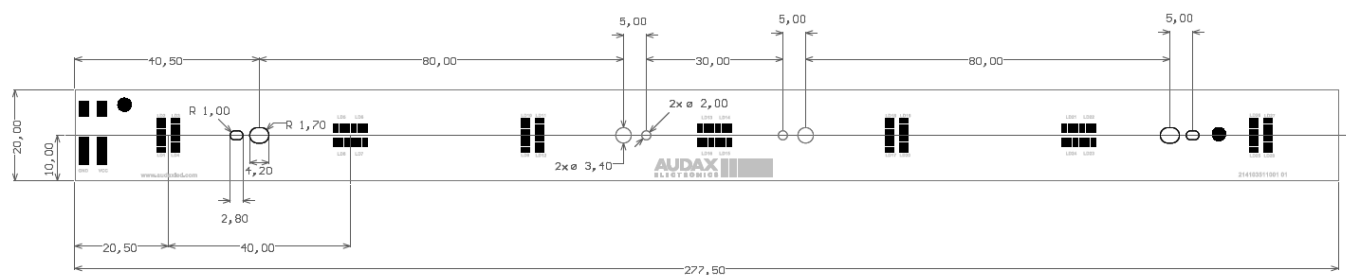
Forward Voltage (V) x Forward Current (mA) (TC 60°C)



SCHEMATICS



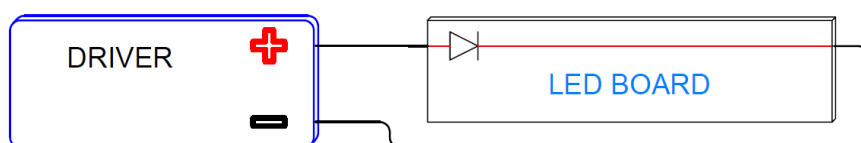
MECHANICAL DRAWING



Unit: mm

WIRING

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



COMPATIBLE OPTICS

Manufacturer	Part Number	Color	Beam
LEDiL	CN16873_DAISY-7X1-WW	Black	~80°
LEDiL	CN16874_DAISY-7X1-W	Black	~50°
LEDiL	CN16879_DAISY-7X1-WW-WHT	White	~80°
LEDiL	CN16880_DAISY-7X1-W-WHT	White	~50°
LEDiL	CN17052_DAISY-7X1-WW-MATT	Black	~80°
LEDiL	CN17053_DAISY-7X1-W-MATT	Black	~50°
LEDiL	CN17226_DAISY-7X1-WW-WHT-MATT	White	~80°
LEDiL	CN17227_DAISY-7X1-W-WHT-MATT	White	~50°

