

LIGHT ENGINE DAISY 28 LEDs 277.5mm x 20mm

Issue Date	June, 2020
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 3,000K / 3,500K / 4,000K
- 05 years warranty



DRIVE CURRENTS

Parameter	Nominal	Max
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

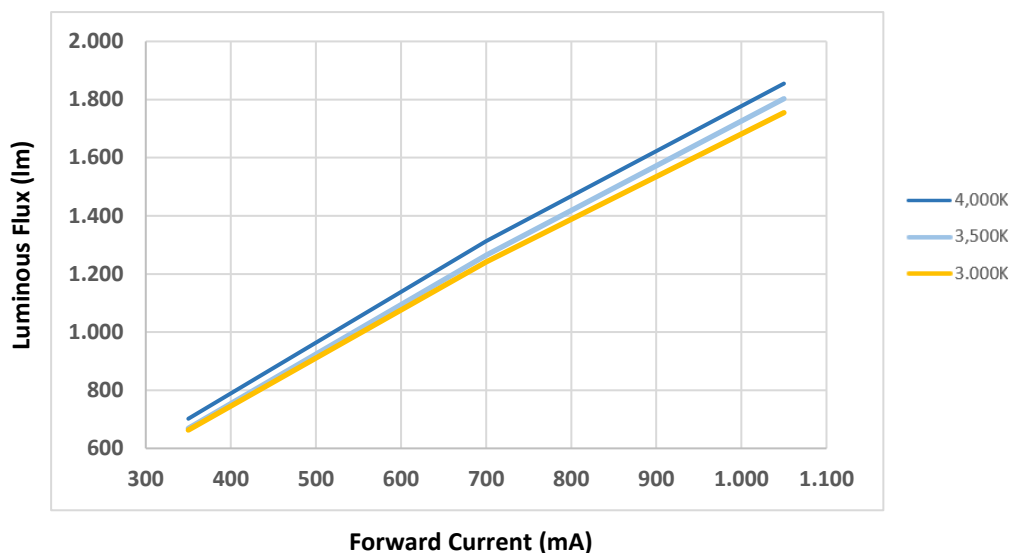
PRODUCT PART NUMBER

80242700100	80242800100	80242900100
3,000 K	3,500 K	4,000 K

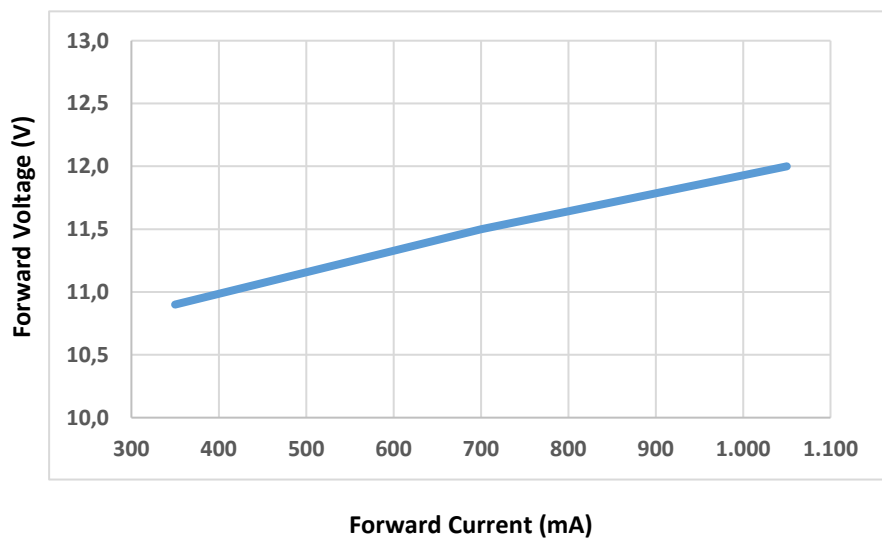
TECHNICAL INFORMATION

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	28	663	10.9	50	60	3.8	173
3,000 K	700	28	1,241	11.5	100	60	8.1	154
3,000 K	1,050	28	1,755	12.0	150	60	12.6	139
3,500 K	350	28	669	10.9	50	60	3.8	175
3,500 K	700	28	1,264	11.5	100	60	8.1	157
3,500 K	1,050	28	1,803	12.0	150	60	12.6	143
4,000 K	350	28	702	10.9	50	60	3.8	183
4,000 K	700	28	1,313	11.5	100	60	8.1	163
4,000 K	1,050	28	1,855	12.0	150	60	12.6	147

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



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

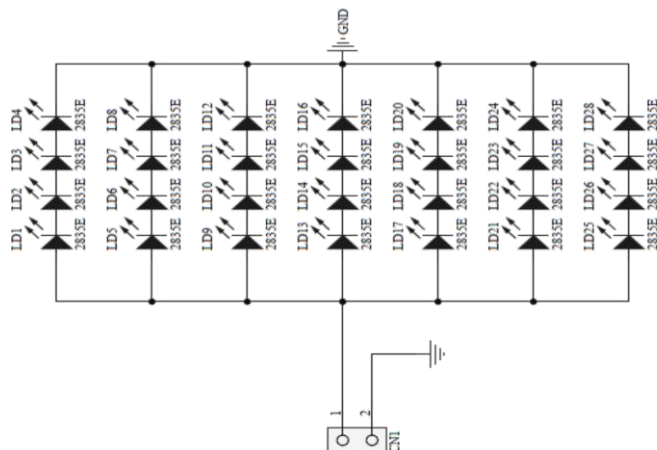


LED TYPE

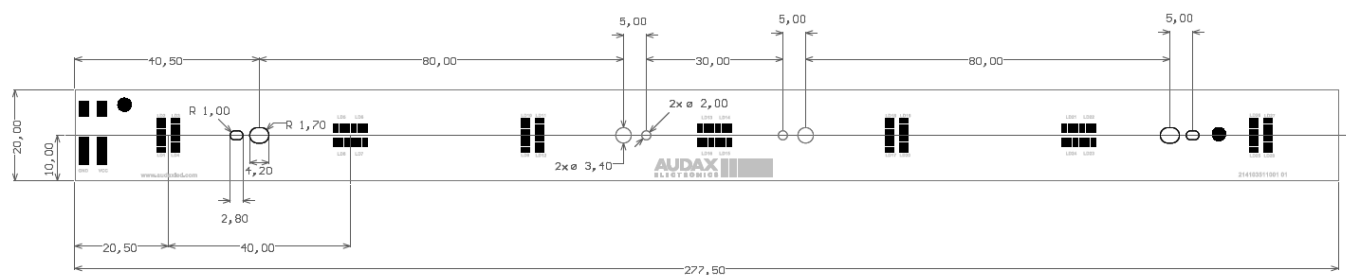
Manufacturer: Lumileds

LED Series: 2835 CA

SCHEMATICS



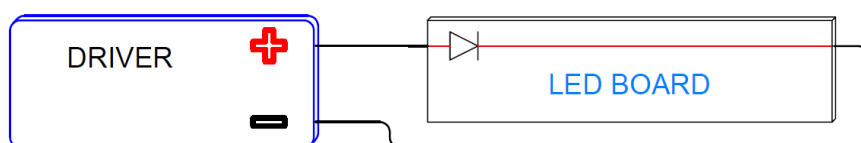
MECHANICAL DRAWING



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_DAISSY-7X1-WW	Black	~80°
LEDiL	CN16874_DAISSY-7X1-W	Black	~50°
LEDiL	CN16879_DAISSY-7X1-WW-WHT	White	~80°
LEDiL	CN16880_DAISSY-7X1-W-WHT	White	~50°
LEDiL	CN17052_DAISSY-7X1-WW-MATT	Black	~80°
LEDiL	CN17053_DAISSY-7X1-W-MATT	Black	~50°
LEDiL	CN17226_DAISSY-7X1-WW-WHT-MATT	White	~80°
LEDiL	CN17227_DAISSY-7X1-W-WHT-MATT	White	~50°

