

LIGHT ENGINE DAISY 16 LEDs 156mm x 20mm

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



DRIVE CURRENTS

Parameter	Nominal	Max
Light Engine Daisy 16 LEDs 156mm x 20mm	100 mA	480 mA

MODULE TEMPERATURES

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

PRODUCT PART NUMBER

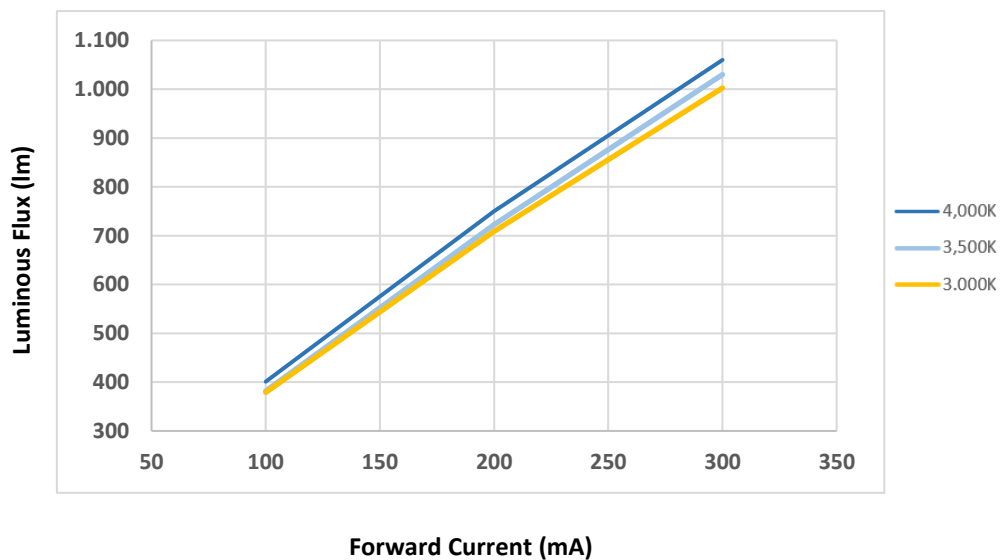
80210700100	80211000100	80210800100
3,000 K	3,500 K	4,000 K

TECHNICAL INFORMATION

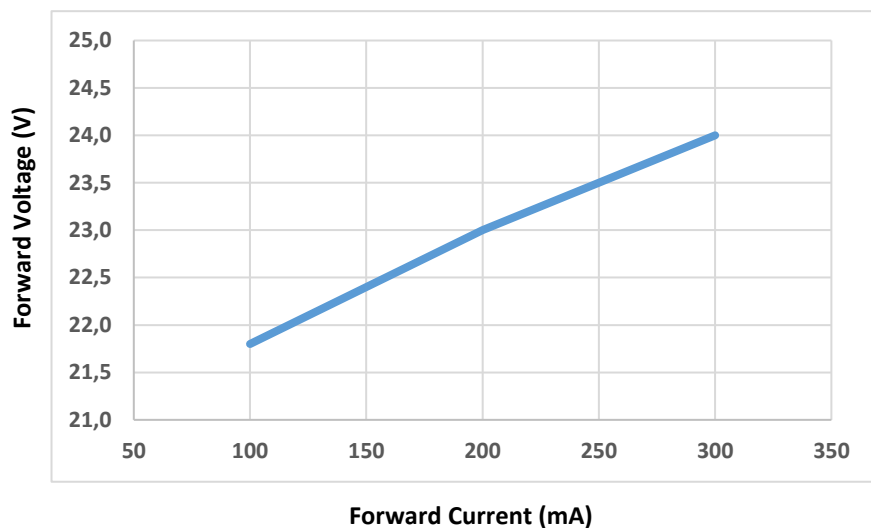
CCT	LED Driver Current (mA)	# LEDs	Luminous Flux (lm)*	Forward Voltage (V)	LED Forward Current (mA)	TC (°C)	Power (W)	Efficacy (lm/W)*
3,000 K	100	16	379	21.8	50	60	2.2	173
3,000 K	200	16	709	23.0	100	60	4.6	154
3,000 K	300	16	1,003	24.0	150	60	7.2	139
3,500 K	100	16	382	21.8	50	60	2.2	175
3,500 K	200	16	722	23.0	100	60	4.6	157
3,500 K	300	16	1,030	24.0	150	60	7.2	143
4,000 K	100	16	401	21.8	50	60	2.2	183
4,000 K	200	16	750	23.0	100	60	4.6	163
4,000 K	300	16	1,060	24.0	150	60	7.2	147

TECHNICAL GRAPHS

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



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

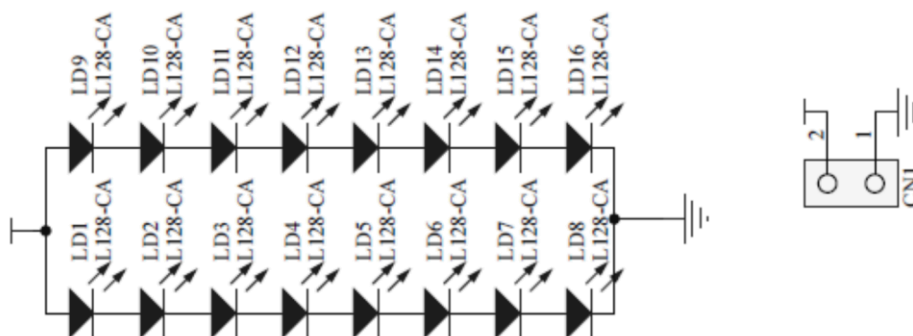


LED TYPE

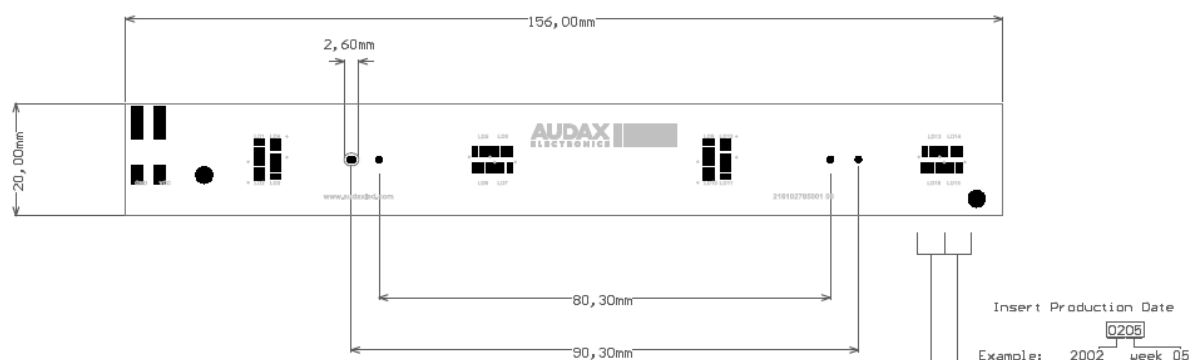
Manufacturer: Lumileds

LED Series: 2835 CA

SCHEMATICS



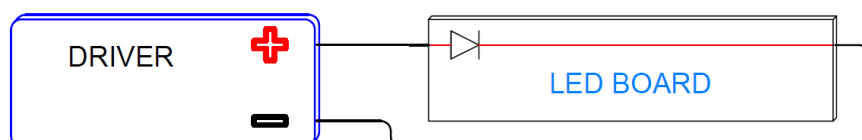
MECHANICAL DRAWING



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	CN16604_DAISSY-4X1-WW	Black	~80°
LEDiL	CN16606_DAISSY-4X1-W	Black	~50°
LEDiL	CN16785_DAISSY-4X1-WW-WHT	White	~80°
LEDiL	CN16788_DAISSY-4X1-W-WHT	White	~50°

