

LIGHT ENGINE DAISY 8x1 16 LEDs 300.7x20mm

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Applications

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

Characteristics

- Module Efficacy – up to 154 lm/W
- L70 > 50.000 hours
- CRI > 90 (Typ.95)
- 03 SDCM
- CCTs 2,700K / 3,000K / 3,500K
- 05 years warranty

**DRIVING CURRENTS**

Parameter	Nominal	Max
Light Engine Daisy 8x1 16 LEDs 300.7x20mm	120 mA	960 mA

MODULE TEMPERATURES

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

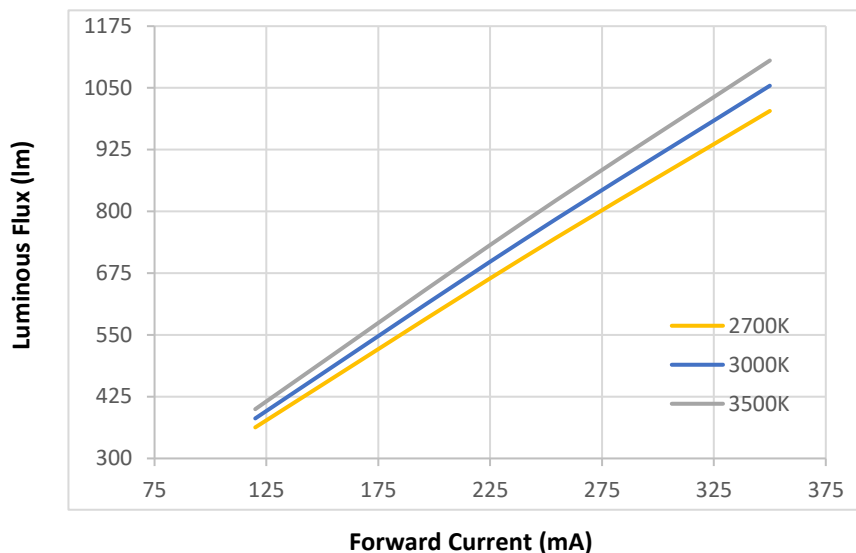
PRODUCT PART NUMBER

80533000100	8053310100	80533200100
2,700 K	3,000 K	3,500 K

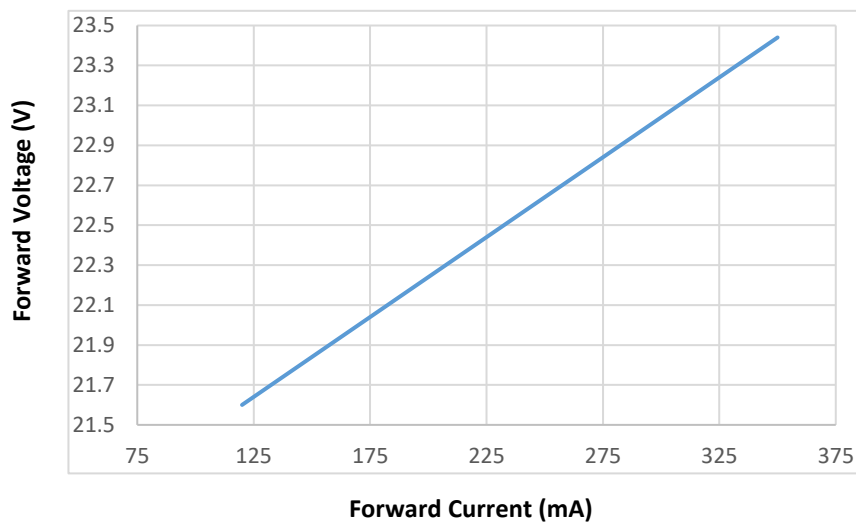
TECHNICAL INFORMATION

CCT	LED Driver Current (mA)	# LEDs	Luminous Flux (lm)*	Forward Voltage (V)	LED Forward Current (mA)	Tc (°C)	Power (W)	Efficacy (lm/W)*
2,700K	120	16	363	21.6	60	75	2.6	140
2,700K	240	16	707	22.6	120	75	5.4	130
2,700K	350	16	1,003	23.4	175	75	8.2	122
3,000K	120	16	381	21.6	60	75	2.6	147
3,000K	240	16	742	22.6	120	75	5.4	137
3,000K	350	16	1,054	23.4	175	75	8.2	129
3,500K	120	16	400	21.6	60	75	2.6	154
3,500K	240	16	778	22.6	120	75	5.4	144
3,500K	350	16	1,105	23.4	175	75	8.2	135

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



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

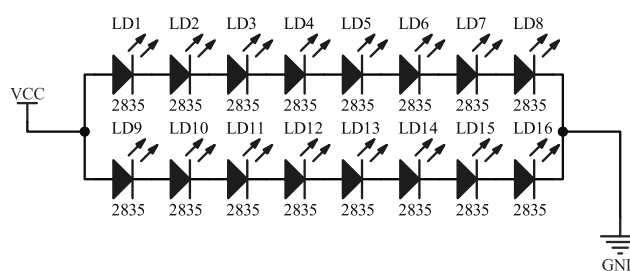


LED TYPE

Manufacturer: CREE

LED Series: 2835 N Class

SCHEMATICS



Top view of the PCB layout for the AUDA5000-10000. The layout shows a rectangular board with dimensions 300.70 mm by 110.00 mm. Key features include: 1. Power and ground planes with 4X 2.10 mm vias. 2. A central AUDA5000-10000 component. 3. Various passive components like resistors (R 1.05, R 2.04) and capacitors. 4. Dimensions for component placement and board layout, such as 36.05, 27.65, 38.10, and 17.00 mm. 5. A note for dry locations only: Vmax = 24.0V, Iavg = 90mA, T=75°C.

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

A long, narrow, dark gray tray with ten square compartments, each containing a small, clear, cylindrical object. The tray is positioned diagonally on a dark background.