

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 185 lm/W
- L70 > 50.000 hours
- CRI > 80 (Typ.85)
- 03 SDCM
- CCTs 3,000K / 3,500K / 4,000K
- 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

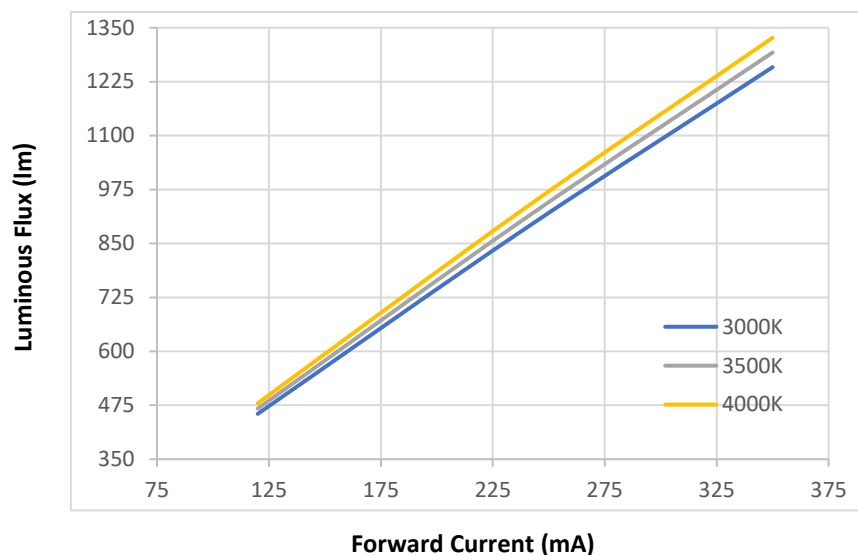
PRODUCT PART NUMBER

80532700100	80532800100	80532900100
3,000 K	3,500 K	4,000 K

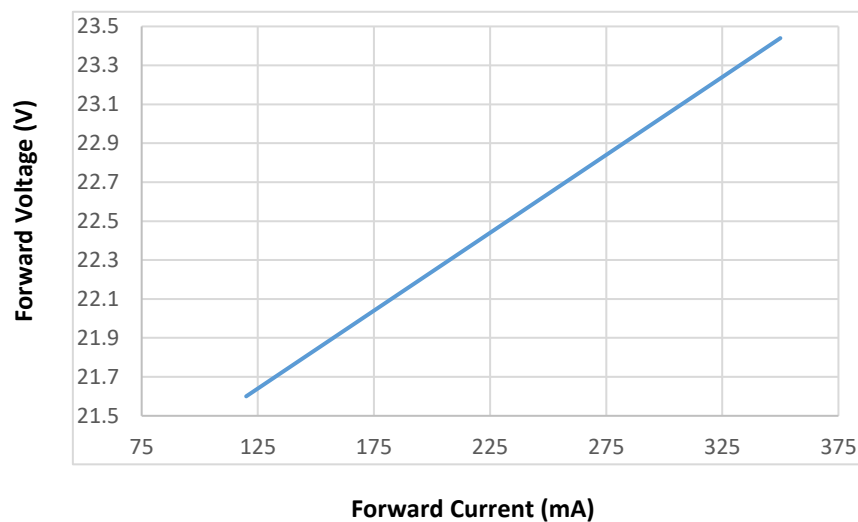
TECHNICAL INFORMATION

CCT	LED Driver Current (mA)	# LEDs	Luminous Flux (lm)*	Forward Voltage (V)	LED Forward Current (mA)	Tc (°C)	Power (W)	Efficacy (lm/W)*
3,000K	120	16	455	21.6	60	75	2.6	176
3,000K	240	16	886	22.6	120	75	5.4	164
3,000K	350	16	1,259	23.4	175	75	8.2	153
3,500K	120	16	467	21.6	60	75	2.6	180
3,500K	240	16	910	22.6	120	75	5.4	168
3,500K	350	16	1,293	23.4	175	75	8.2	158
4,000K	120	16	480	21.6	60	75	2.6	185
4,000K	240	16	934	22.6	120	75	5.4	173
4,000K	350	16	1,327	23.4	175	75	8.2	162

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



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

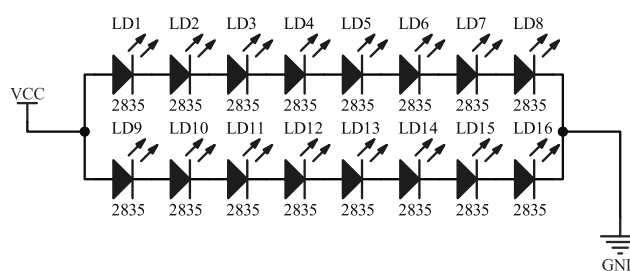


LED TYPE

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:

- Power and ground planes with 4X 2.10 mm vias.
- A central AUDA5000-10000 component.
- Various passive components like resistors (R 1.05, R 2.04) and capacitors.
- Dimensions for component placement and board size.
- A note for dry locations only: $V_{max} = 24.0V$, $I_{avg} = 90mA$, $T=75^{\circ}C$.
- A unit specification: Unit: mm.

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

