

LIGHT ENGINE 96 LEDS 48V 2835 600X24X1,0MM ENIG

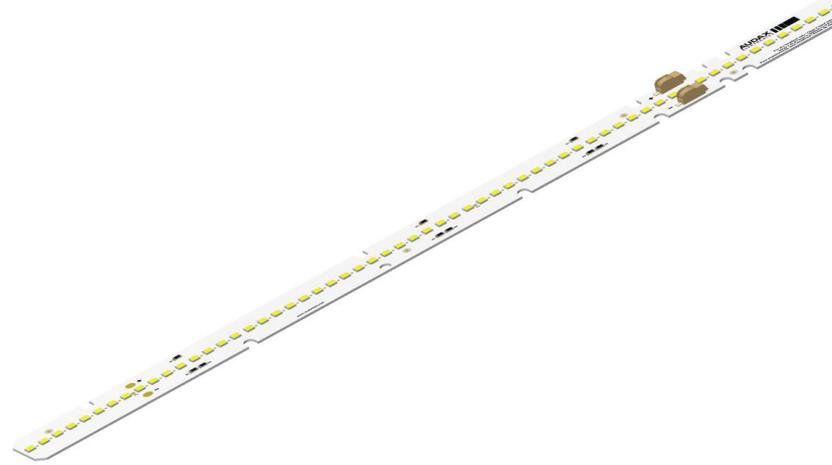
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Issued by	Paiva, I.

Applications

- General Lighting
- Decorative Lighting
- Indoor Lighting

Characteristics

- Module Efficacy – up to 191lm/W
- L70 > 50.000 hours
- CRI > 80
- 03 SDCM
- CCT 4,000K
- 05 years warranty



DRIVE PARAMETERS

Parameter	Nominal
I_{board} (Current)	500mA
V_{board} (Voltage)	48V

MODULE TEMPERATURES

Parameter	Nominal	Max
T_c (case temperature at T_c point)	25°C	75°C

PRODUCT PART NUMBER

80 CRI
80756100100
4,000K

LED TYPE

Manufacturer: Cree

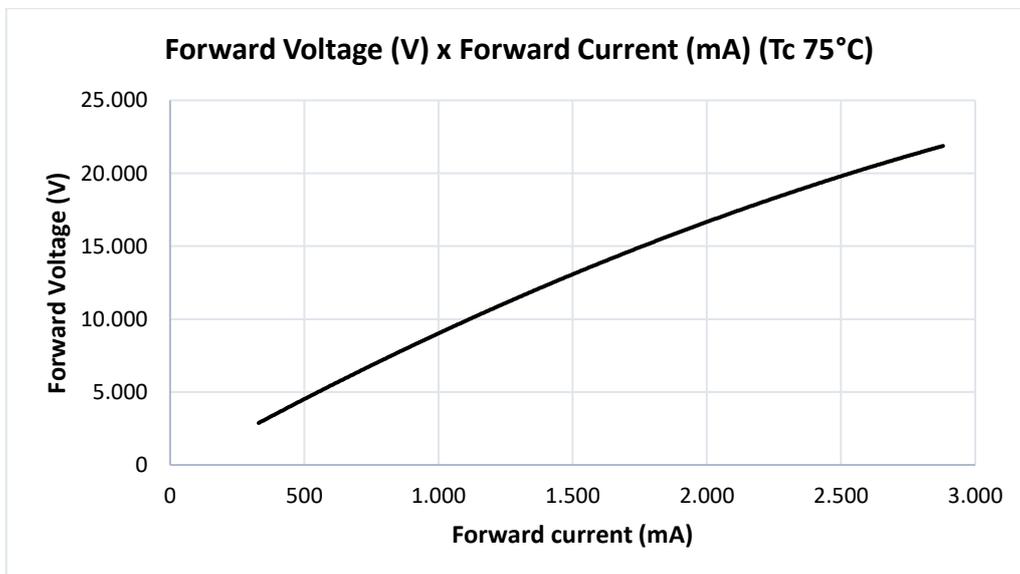
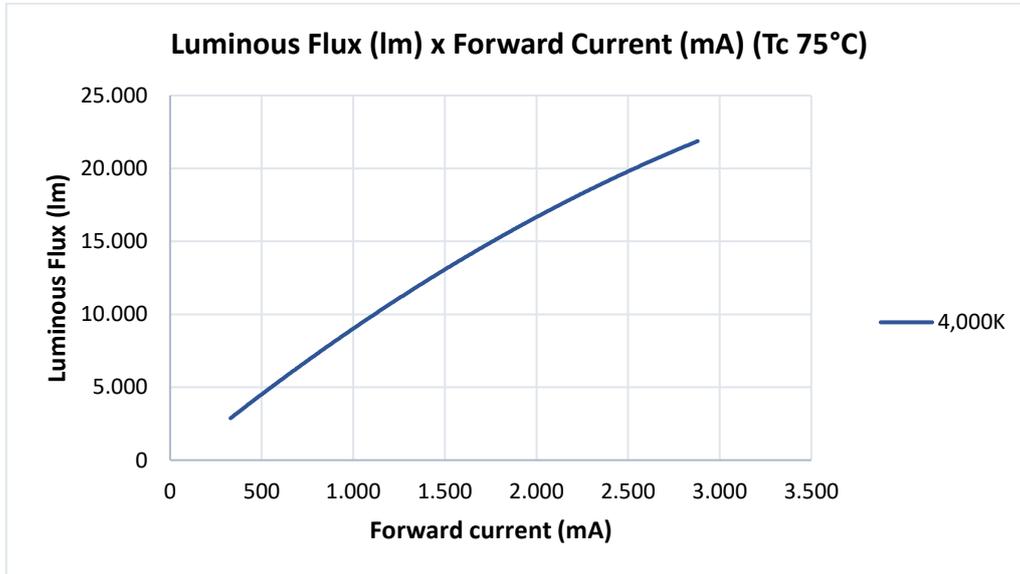
LED Series: J Series® 2835 3-V LEDs G Class

TECHNICAL INFORMATION | 80 CRI

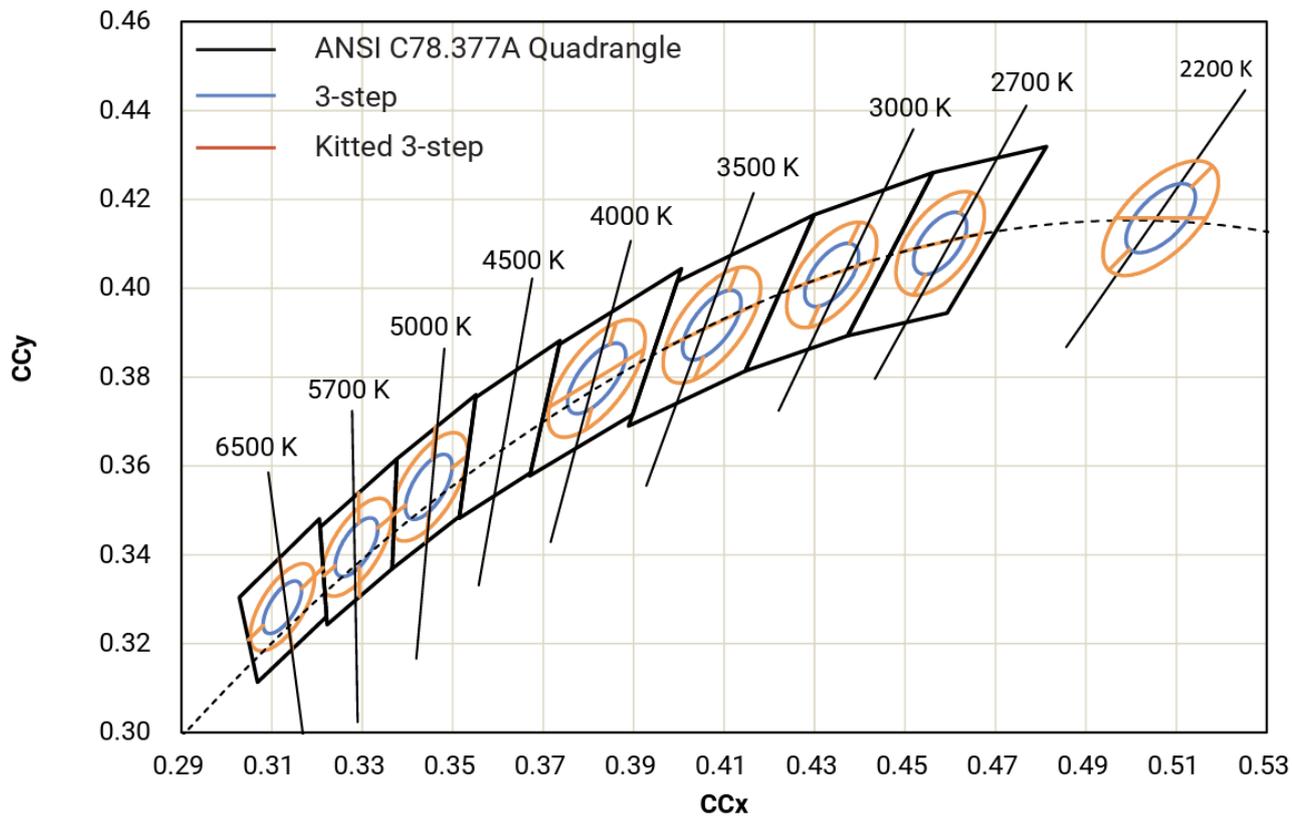
CCT	LED Driver Current (mA)	# LEDs	Luminous Flux (lm)	Forward Voltage (V)	LED Forward Current (mA)	T _c (°C)	Power (W)	Efficacy (lm/W)
4,000K	500	96	4.592	48,0	83,4	75	24,0	191

*The specific luminous flux and voltage of the LEDs may vary $\pm 8\%$. Test Conditions: Case Temperature (T_c) = 75 °C.

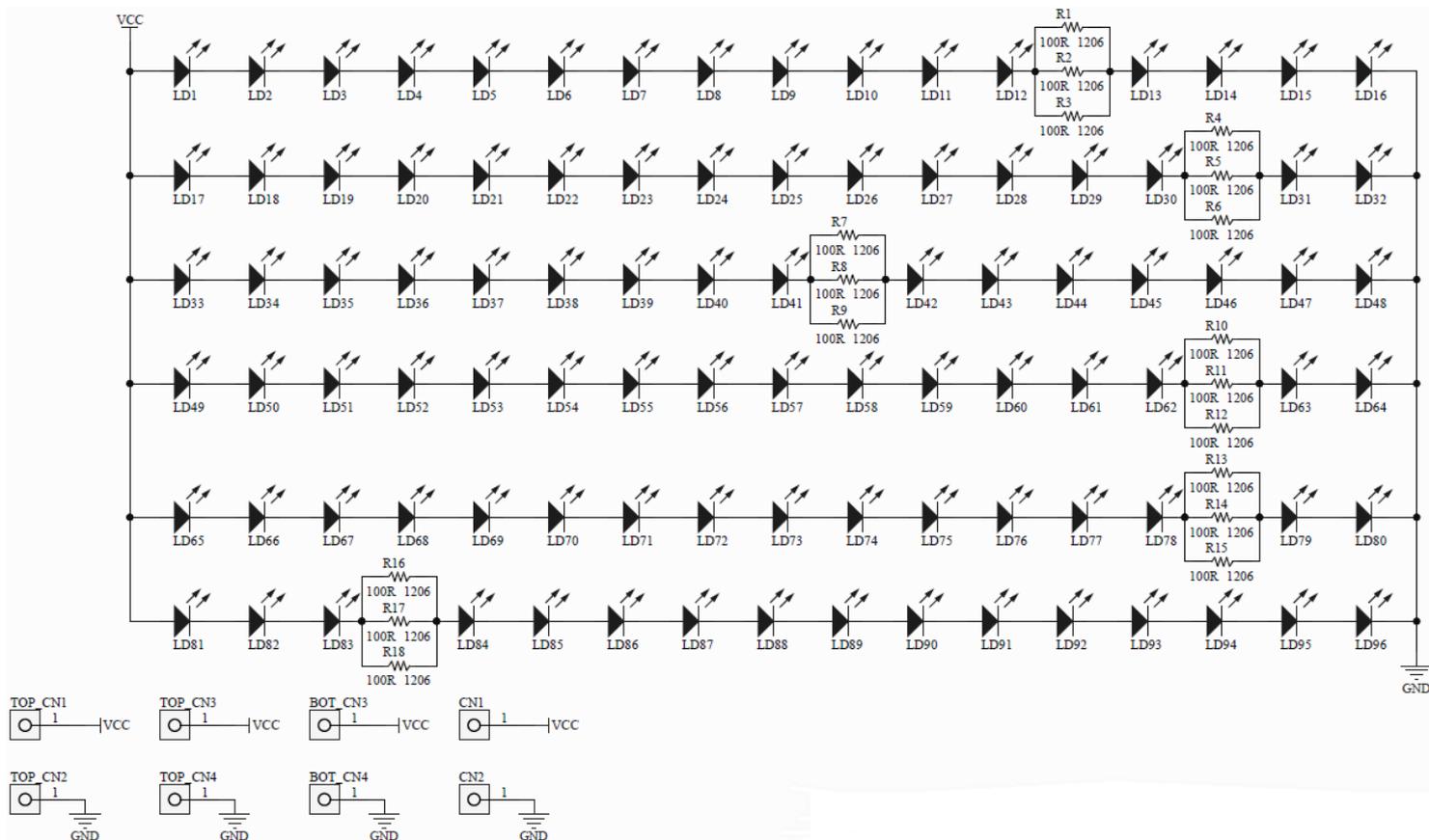
TECHNICAL GRAPHS | 80 CRI



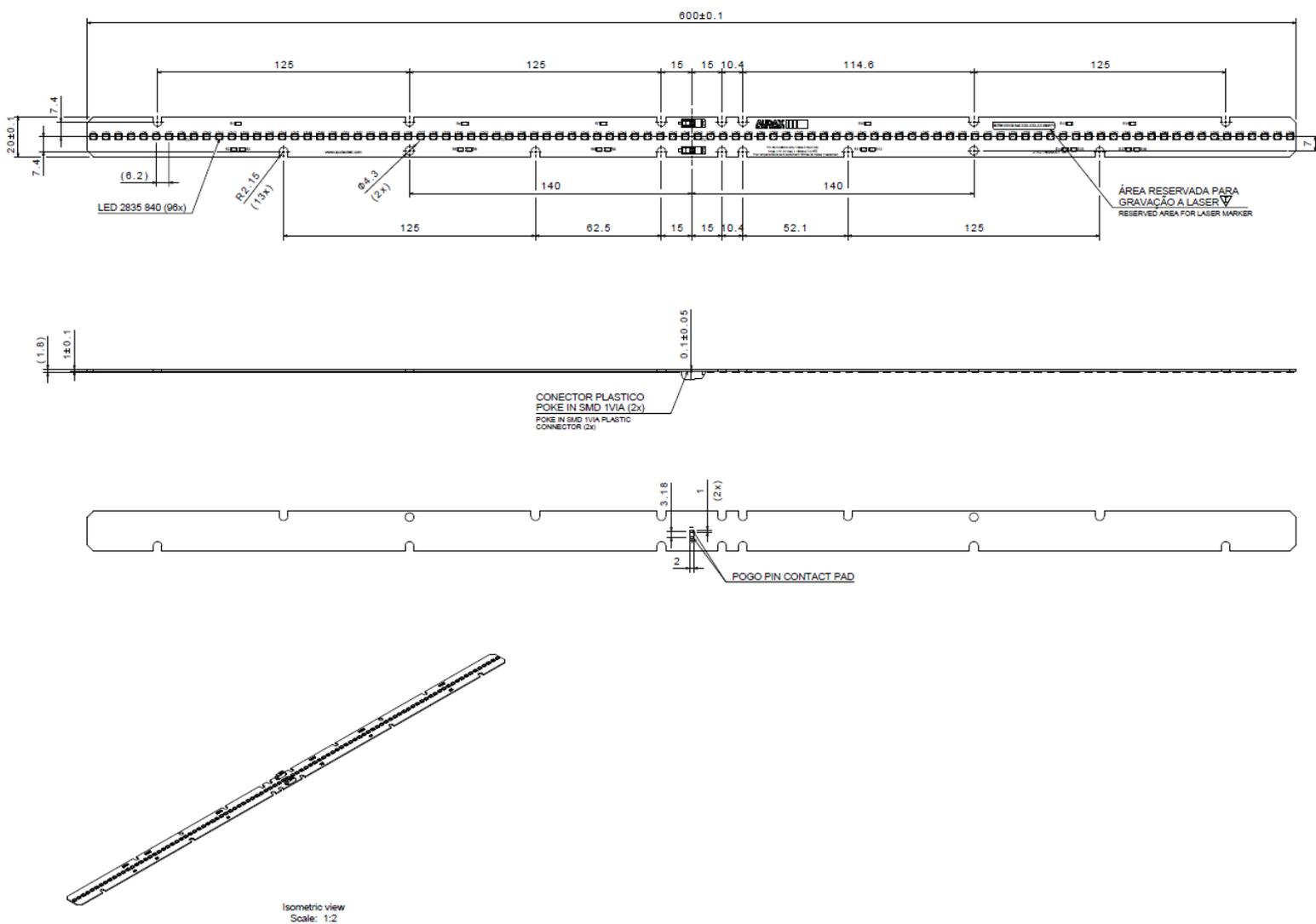
LED BINNING STRUCTURE



SCHEMATICS



MECHANICAL DRAWING



WIRING

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

PACKAGE

Cardboard 700x250x250
EPE Tray 700x250x35 with 30 boards
180 boards / Cardboard

REVISION HISTORY

VERSION	ENGINEER IN CHARGE	DATE	CHANGE
00	IP	November 05 th , 2025	Release
01	IP	November 06 th , 2025	Updated nominal current value and package