

LIGHT ENGINE ULLA-UP 24 LEDS 54,2x1,5MM PRO9

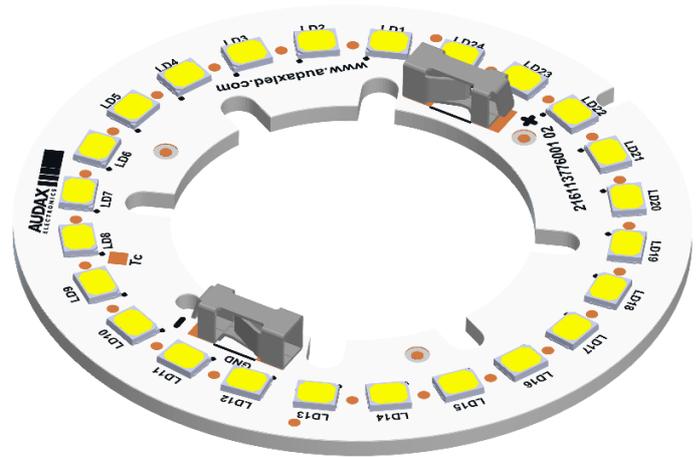
Issue Date	November, 2025
Issued by	Paiva, I.

Applications

- General Lighting
- Decorative Lighting
- Indoor Lighting

Characteristics

- Module Efficacy – up to 200lm/W
- L70 > 50.000 hours
- CRI > 90
- 03 SDCM
- CCT 3,000K / 3,500K / 4,000K
- 05 years warranty



DRIVE PARAMETERS

Parameter	Nominal	Max
I_{board} (Current)	110mA	400mA
V_{board} (Voltage)	31,4V	37,1V

MODULE TEMPERATURES

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

PRODUCT PART NUMBER

90 CRI		
80877700100	80878100100	80878200100
3,000K	3,500K	4,000K

LED TYPE

Manufacturer: Cree

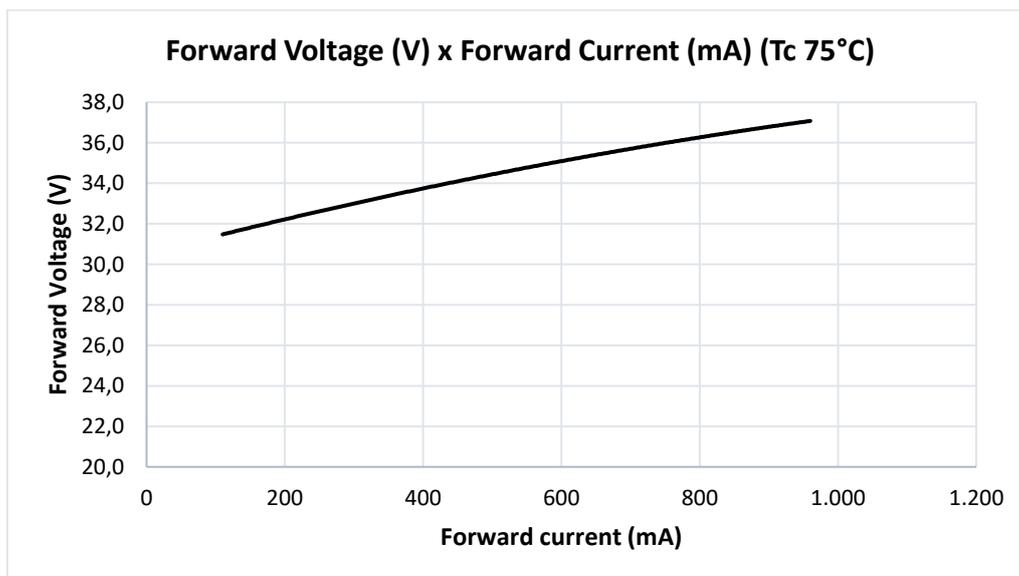
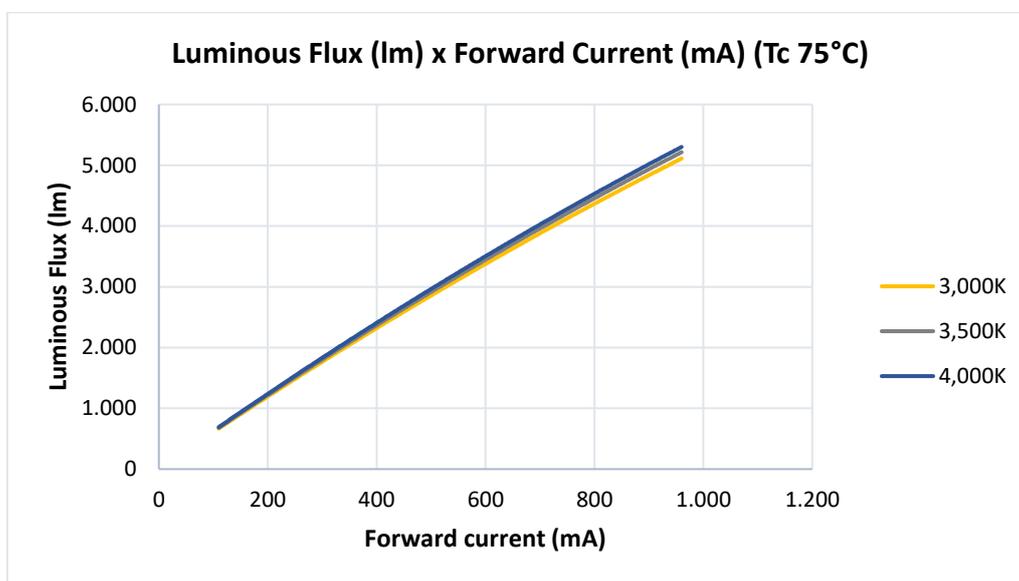
LED Series: J Series® 2835 G class Pro9™

TECHNICAL INFORMATION | 90 CRI

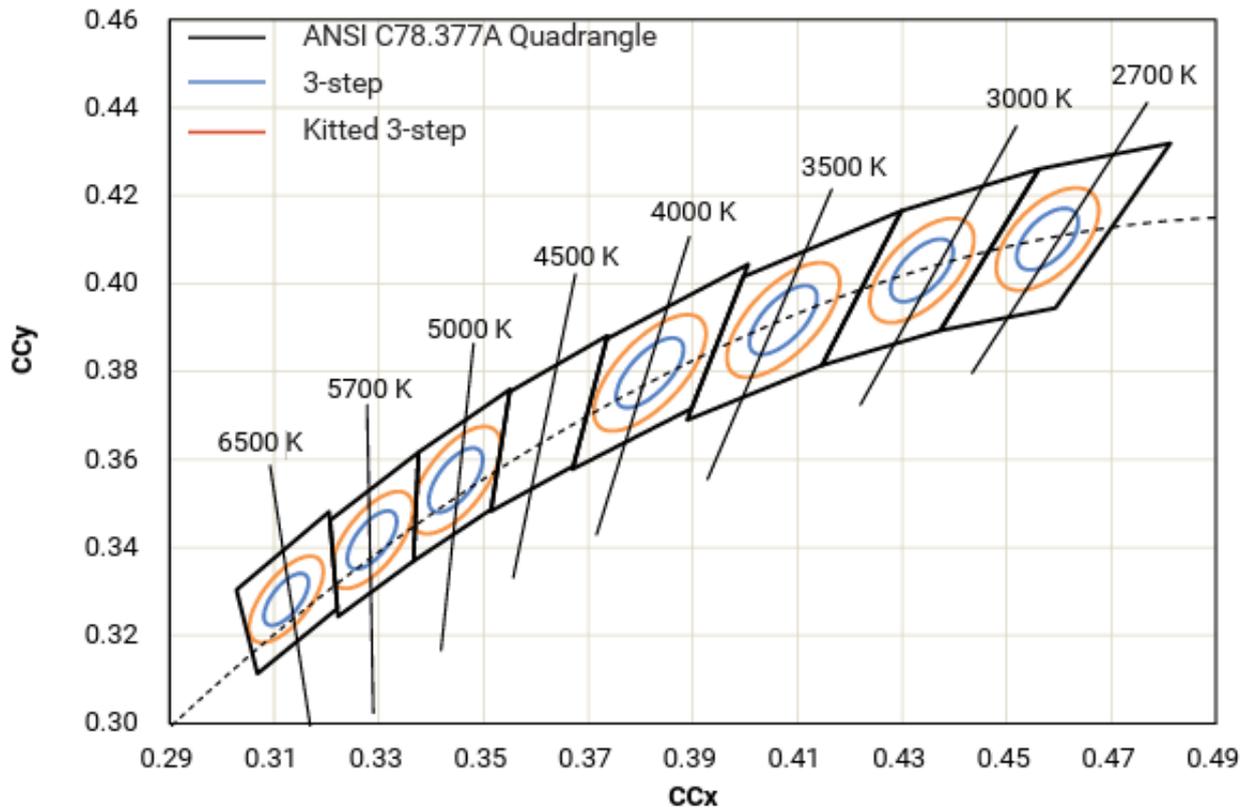
CCT	LED Driver Current (mA)	# LEDs	Luminous Flux (lm)	Forward Voltage (V)	LED Forward Current (mA)	Tc (°C)	Power (W)	Efficacy (lm/W)
3,000K	110	24	666	31,4	55	75	3,5	192
3,000K	200	24	1.195	32,3	100	75	6,5	185
3,000K	400	24	2.319	33,7	200	75	13,5	172
3,500K	110	24	679	31,4	55	75	3,5	196
3,500K	200	24	1.220	32,3	100	75	6,5	189
3,500K	400	24	2.366	33,7	200	75	13,5	175
4,000K	110	24	690	31,4	55	75	3,5	200
4,000K	200	24	1.240	32,3	100	75	6,5	192
4,000K	400	24	2.406	33,7	200	75	13,5	178

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

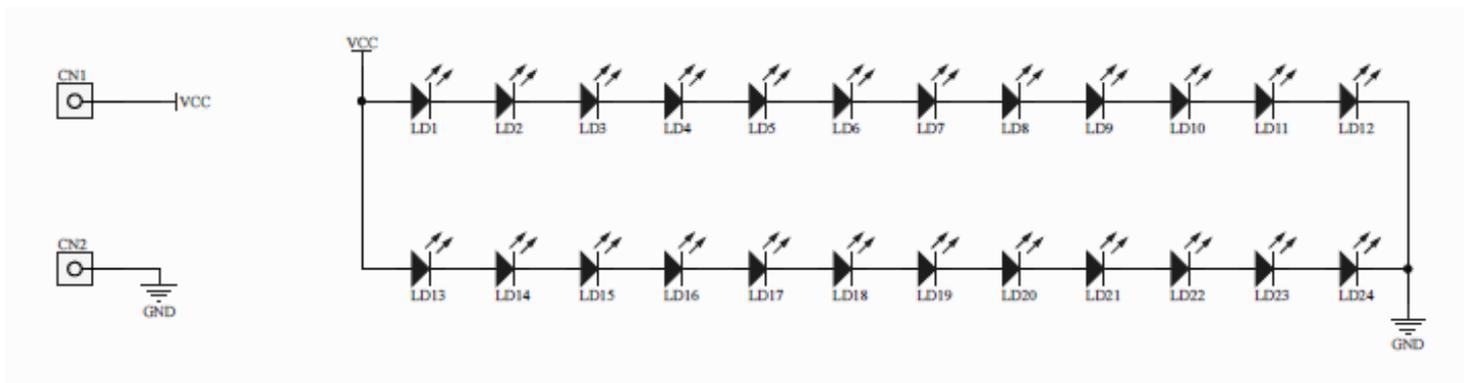
TECHNICAL GRAPHS | 90 CRI

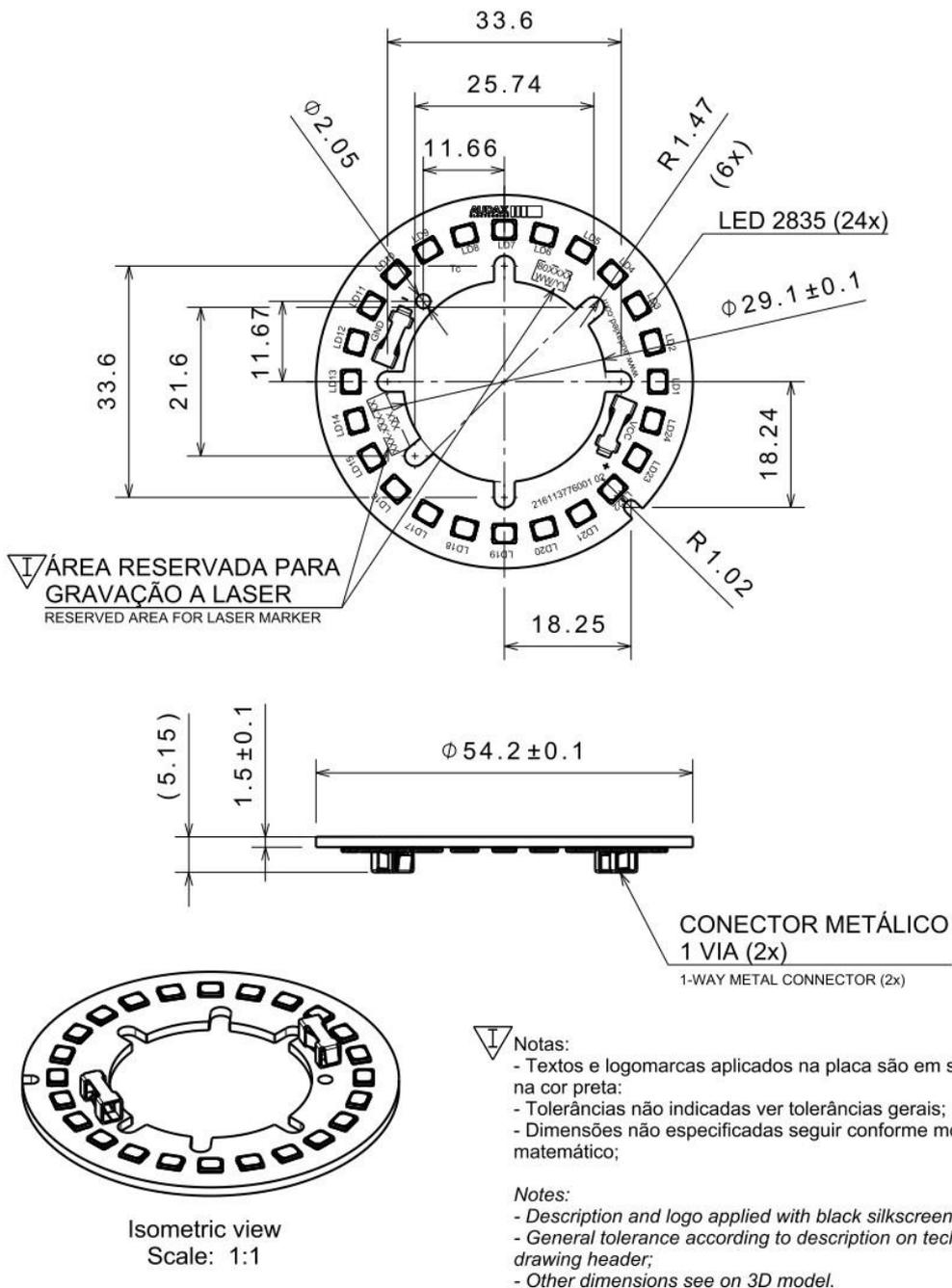


LED BINNING STRUCTURE



SCHEMATICS





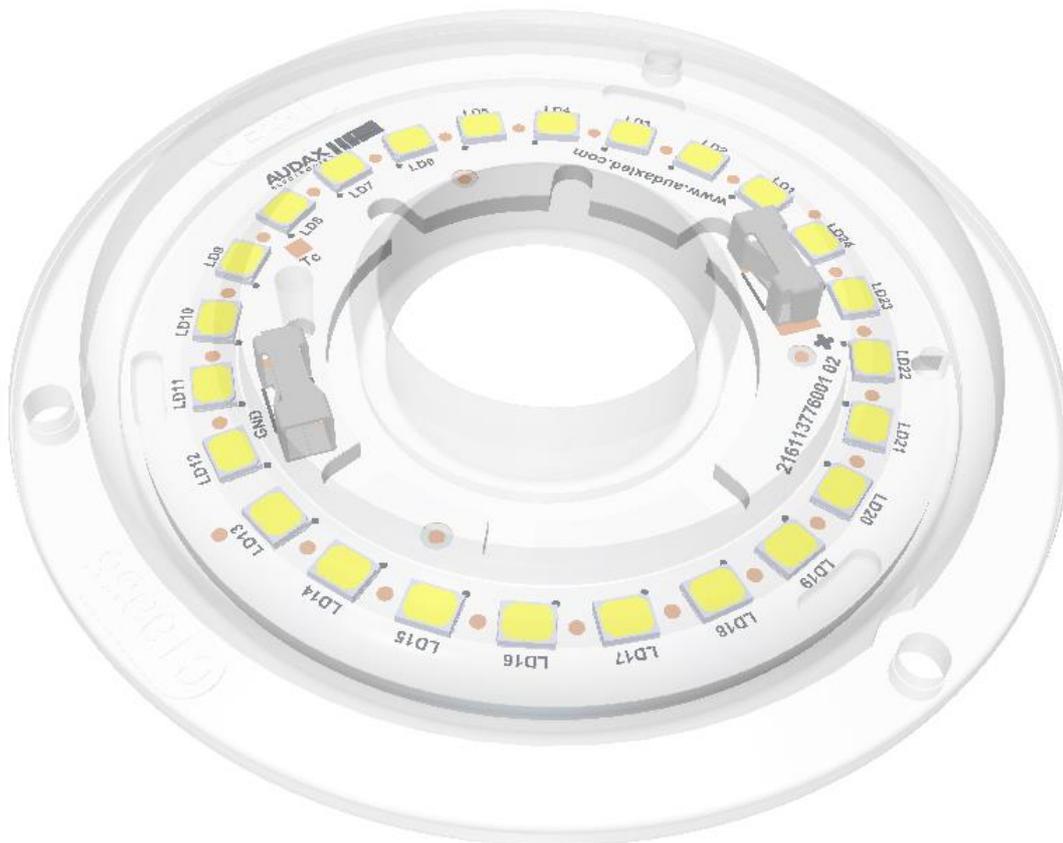
WIRING

Specification item	Value	Unit	Condition
Input wire cross- section	0.52...1.31	mm ²	Solid wire
	20...16	AWG	
Input wire strip length	7.0...8.0	mm	Solid wire
Input wire cross-section	0.52...1.31	mm ²	Stranded wire
	20...16	AWG	
Input wire strip length	7.0...8.0	mm	Stranded wire

COMPATIBLE OPTICS

MANUFACTURER	PART NUMBER	COLOR	MATERIAL	BEAM
LEDiL	C19922_ULLA-UP-D	Clear	PMMA	~135°

ASSEMBLY SUGGESTION



PACKAGE

Cardboard 600x250x250
EPE Tray 600x250x20 with 24 boards
264 boards / Cardboard

REVISION HISTORY

VERSION	ENGINEER IN CHARGE	DATE	CHANGE
00	IP	November 06 th , 2025	Release