

## LIGHT ENGINE ULLA-UP TW 24 LEDS 54,2X1,5MM

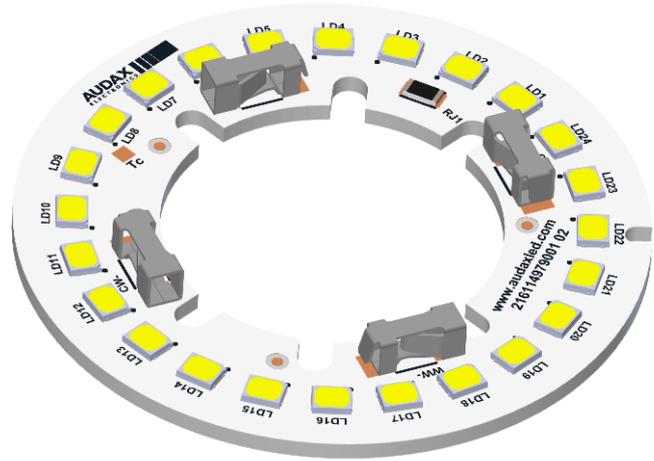
Issue Date	November, 2025
Issued by	Paiva, I.

### Applications

- General Lighting
- Decorative Lighting
- Indoor Lighting

### Characteristics

- Module Efficacy – up to 180lm/W
- L70 > 50.000 hours
- CRI > 90
- 03 SDCM
- CCT 2,200K / 5,000K
- 05 years warranty



## DRIVE PARAMETERS

Parameter	Nominal/Channel	Max/Channel
$I_{board}$ (Current)	55mA	200mA
$V_{board}$ (Voltage)	31,6V	37,6V

## MODULE TEMPERATURES

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

## PRODUCT PART NUMBER

90 CRI
<b>80750700100</b>
2,200K - 5,000K

## LED TYPE

Manufacturer: Cree

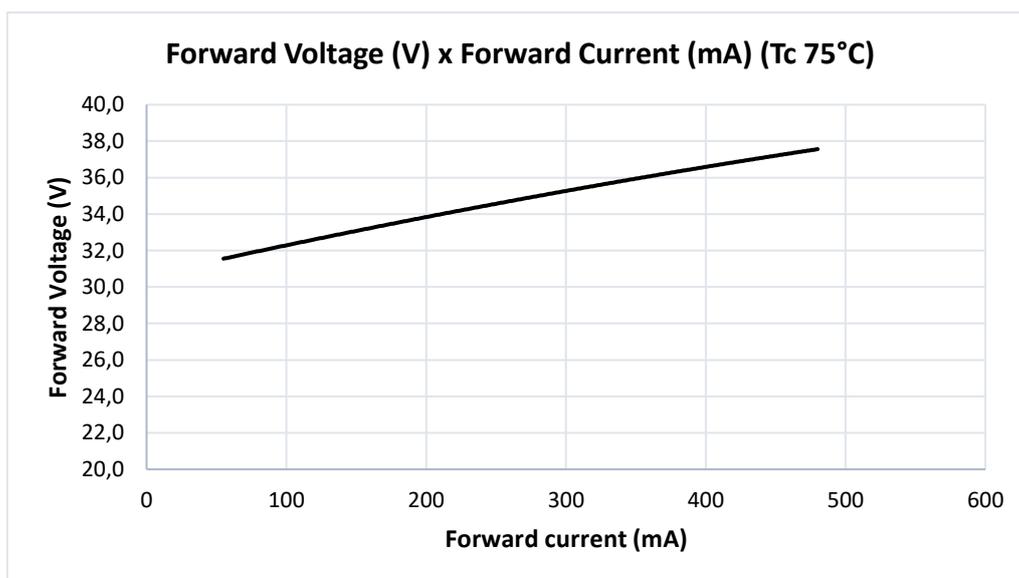
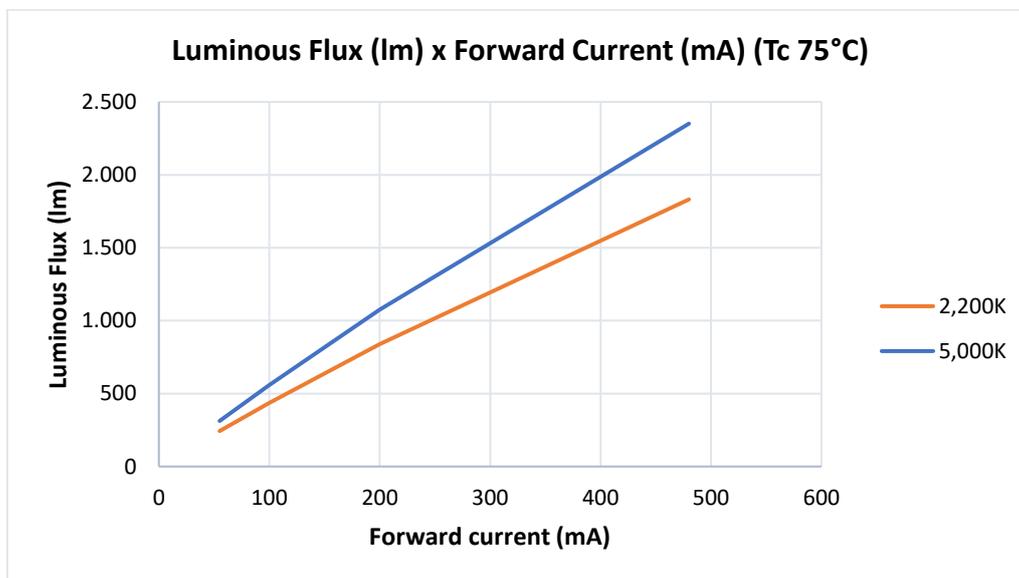
LED Series: J Series® 2835 3-V LEDs G class

## TECHNICAL INFORMATION | 90 CRI

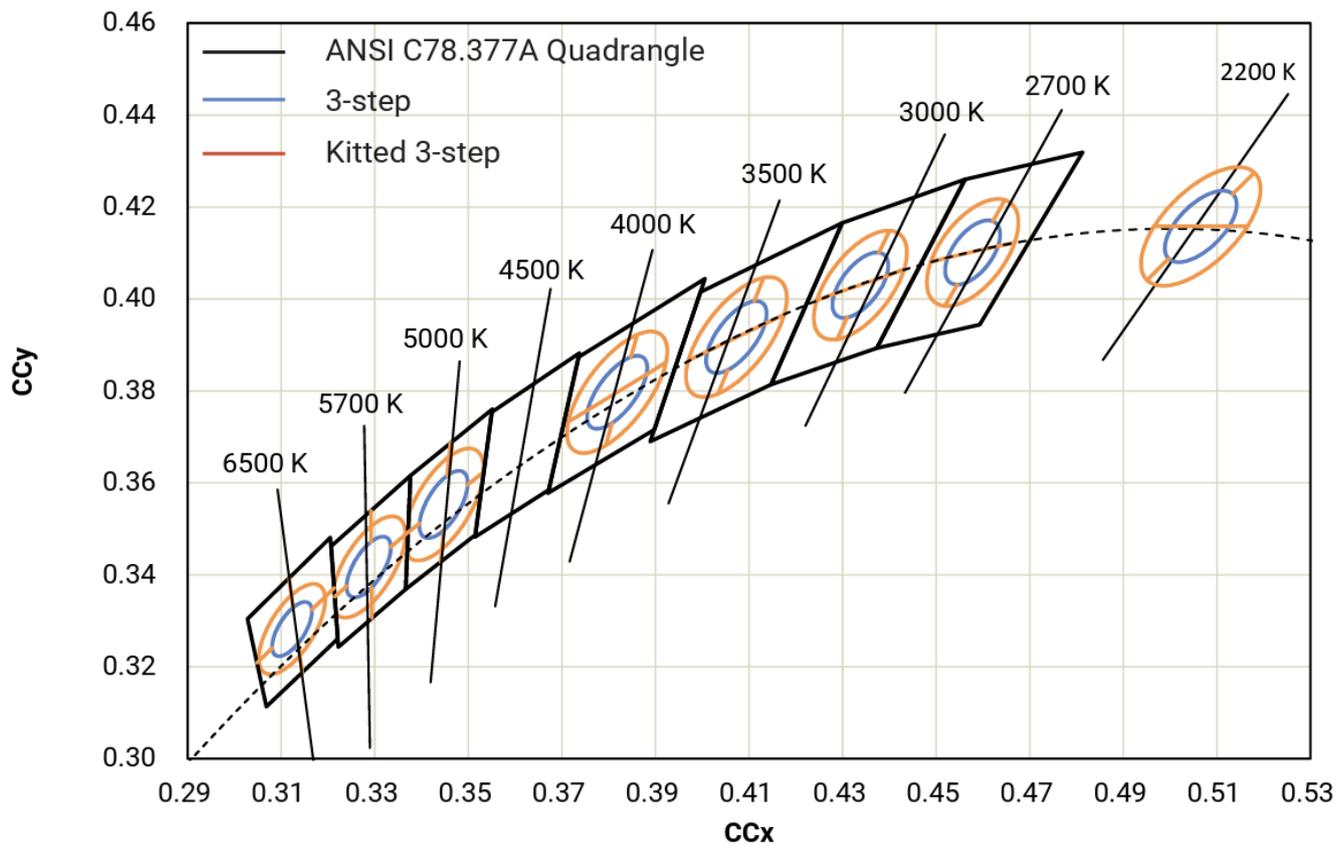
CCT	LED Driver Current (mA)	# LEDs	Luminous Flux (lm)	Forward Voltage (V)	LED Forward Current (mA)	Tc (°C)	Power (W)	Efficacy (lm/W)
2,200K	55	12	243	31,6	55	75	1,7	140
2,200K	100	12	435	32,3	100	75	3,2	135
2,200K	200	12	838	33,8	200	75	6,8	124
2,200K	480	12	1.831	37,6	480	75	18,0	102
5,000K	55	12	312	31,6	55	75	1,7	180
5,000K	100	12	559	32,3	100	75	3,2	173
5,000K	200	12	1.076	33,8	200	75	6,8	159
5,000K	480	12	2.351	37,6	480	75	18,0	130

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

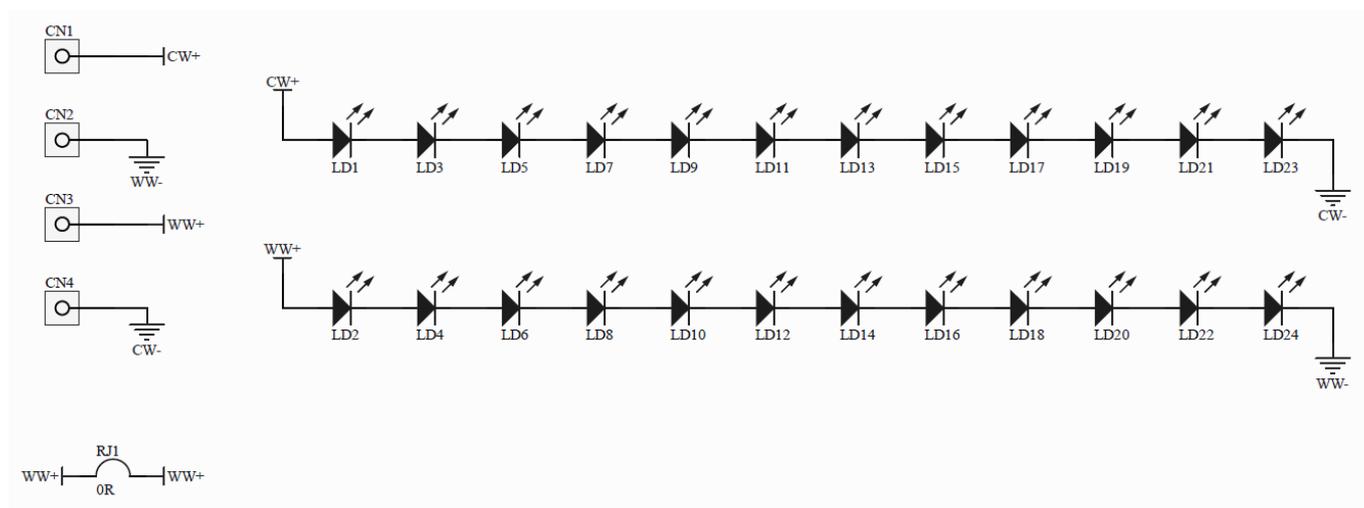
## TECHNICAL GRAPHS | 90 CRI

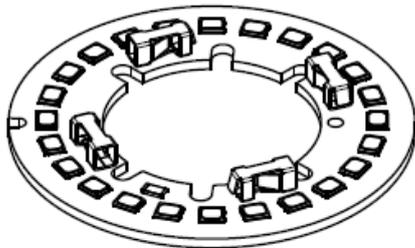
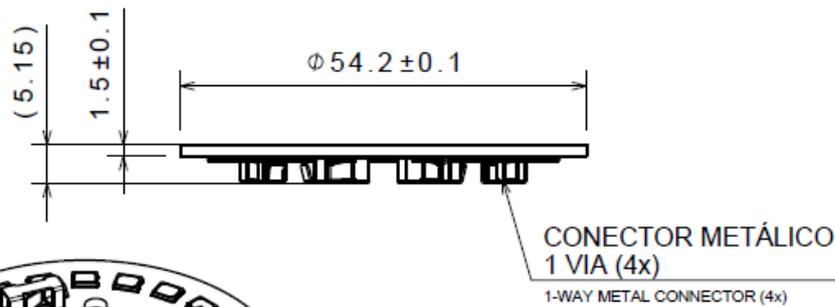
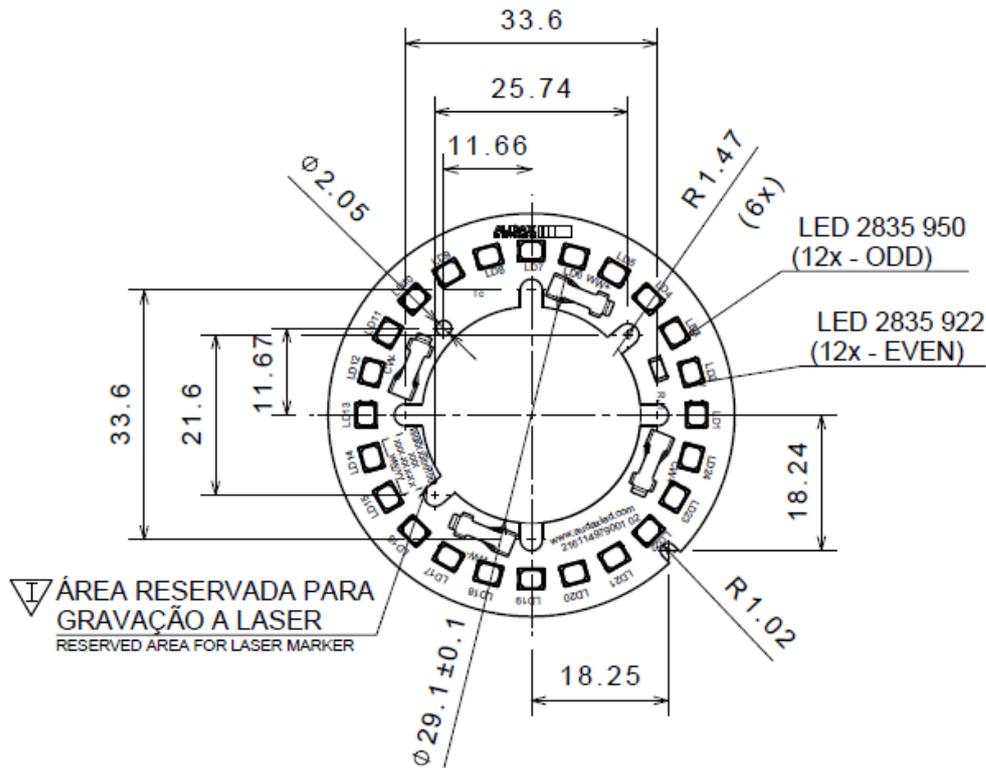


# LED BINNING STRUCTURE



# SCHEMATICS





Isometric view  
Scale: 1:1

- Notas:
- Textos e logomarcas aplicados na placa são em serigrafia na cor preta;
  - Tolerâncias não indicadas ver tolerâncias gerais;
  - Dimensões não especificadas seguir conforme modelo matemático;

- Notes:
- Description and logo applied with black silkscreen;
  - General tolerance according to description on technical drawing header;
  - Other dimensions see on 3D model.

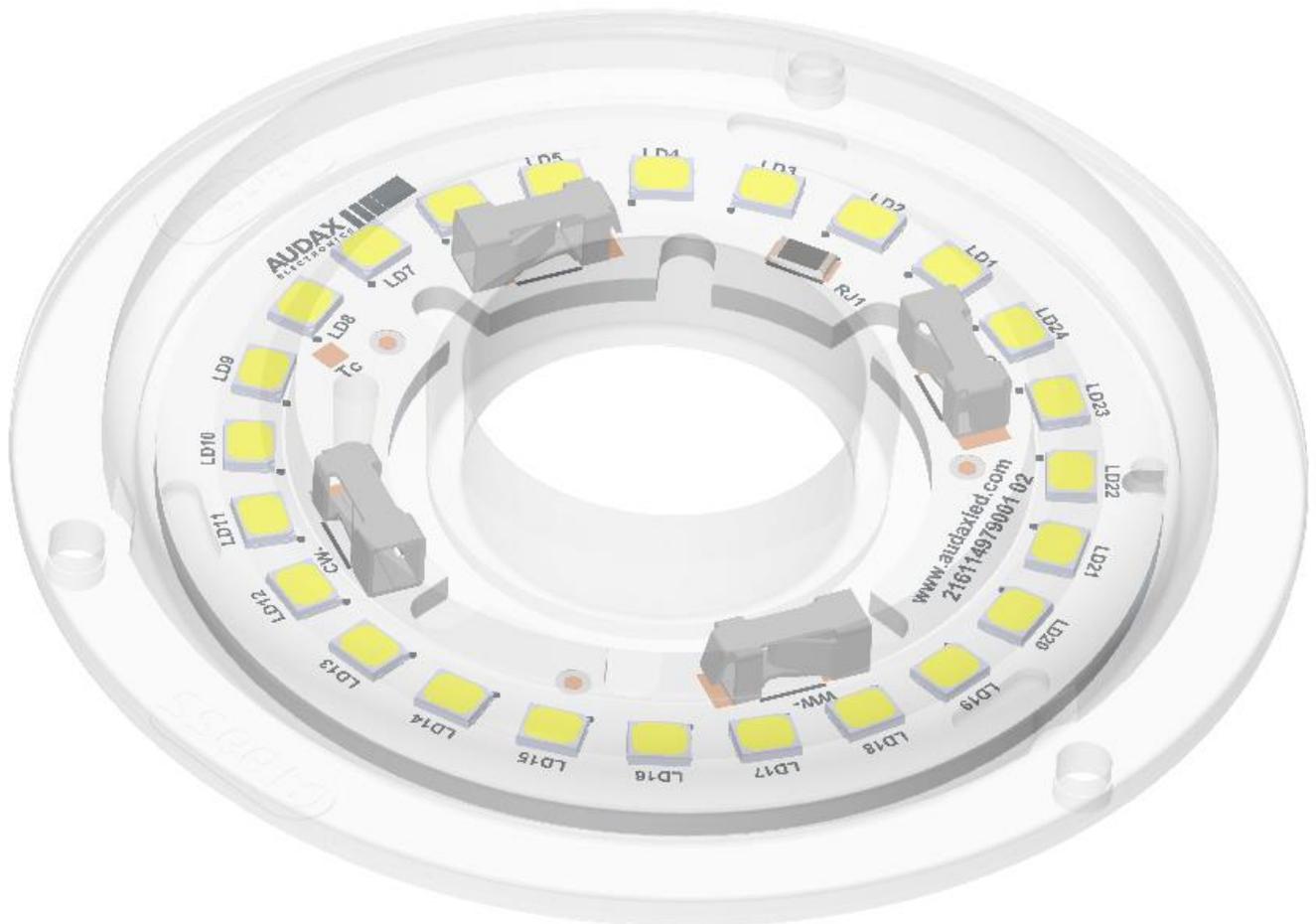
WIRING

Specification item	Value	Unit	Condition
Input wire cross- section	0.52...1.31 20...16	mm <sup>2</sup> AWG	Solid wire
Input wire strip length	7.0...8.0	mm	Solid wire
Input wire cross-section	0.52...1.31 20...16	mm <sup>2</sup> AWG	Stranded wire
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 <sup>th</sup> , 2025	Release