

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

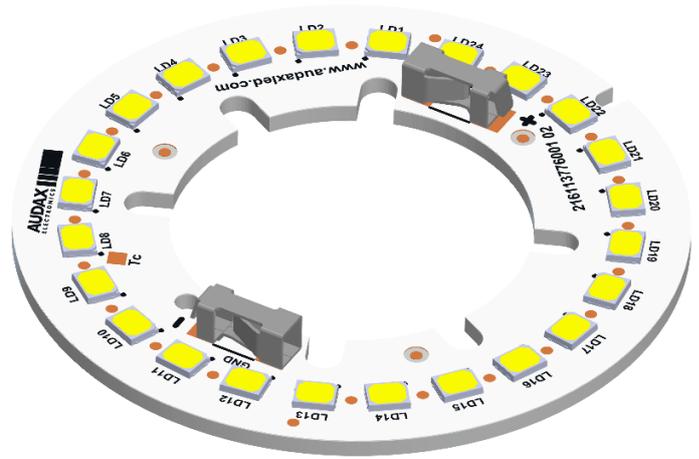
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Issued by	Paiva, I.

Applications

- General Lighting
- Decorative Lighting
- Indoor Lighting

Characteristics

- Module Efficacy – up to 210lm/W
- L70 > 50.000 hours
- CRI > 80
- 03 SDCM
- CCTs 2,700K / 3,000K / 3,500K / 4,000K
- 05 years warranty



DRIVE PARAMETERS

Parameter	Nominal	Max
I_{board} (Current)	110 mA	400mA
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

80 CRI			
80704100100	80704200100	80704300100	80704400100
2,700K	3,000K	3,500K	4,000K

90 CRI			
80704500100	80704600100	80704700100	80704800100
2,700K	3,000K	3,500K	4,000K

LED TYPE

Manufacturer: Cree

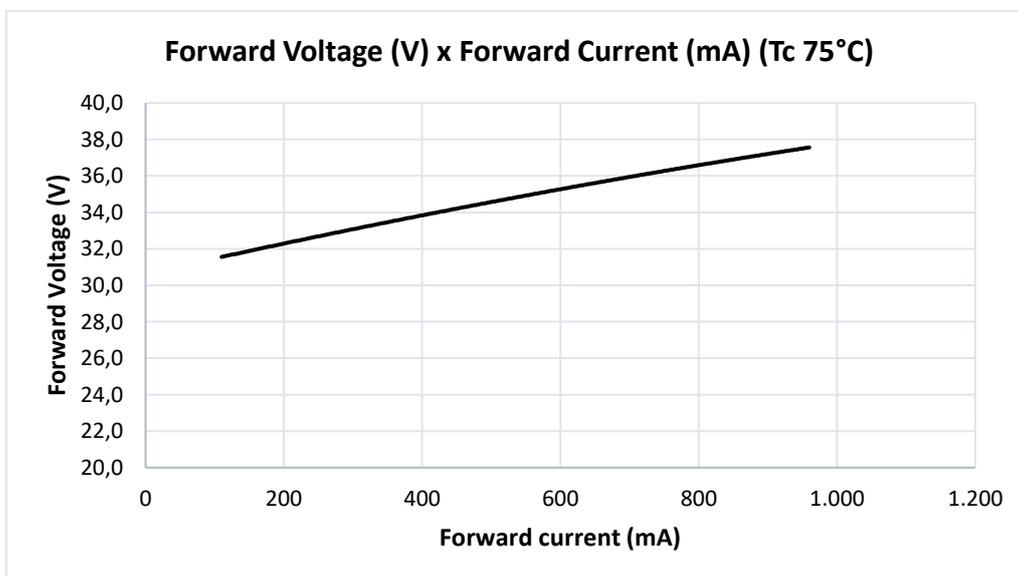
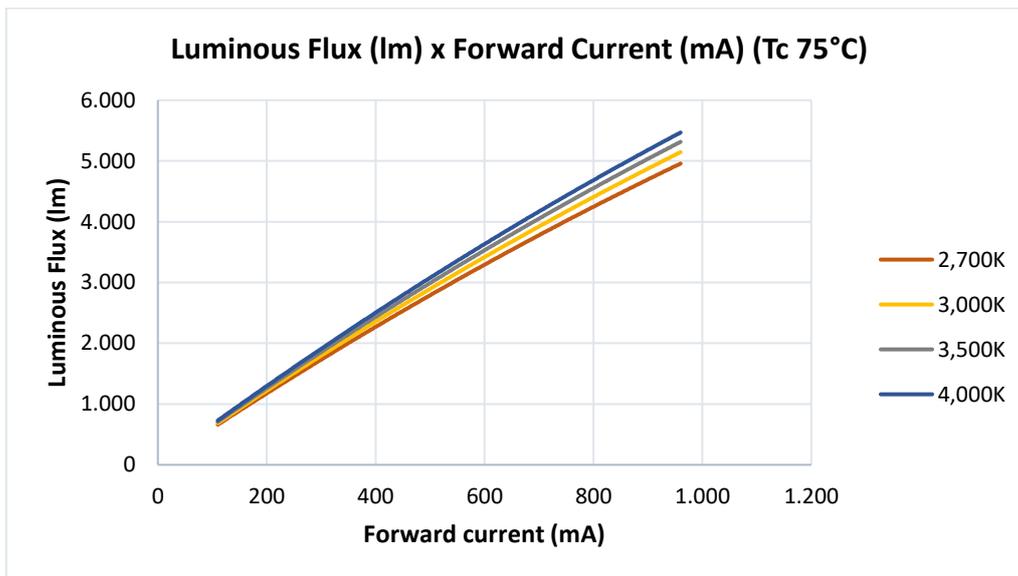
LED Series: J Series® 2835 3-V LEDs G class

TECHNICAL INFORMATION | 80 CRI

CCT	LED Driver Current (mA)	# LEDs	Luminous Flux (lm)	Forward Voltage (V)	LED Forward Current (mA)	Tc (°C)	Power (W)	Efficacy (lm/W)
2,700K	110	24	659	31,6	55	75	3,5	190
2,700K	200	24	1.178	32,3	100	75	6,5	183
2,700K	400	24	2.269	33,8	200	75	13,5	168
3,000K	110	24	684	31,6	55	75	3,5	197
3,000K	200	24	1.223	32,3	100	75	6,5	189
3,000K	400	24	2.355	33,8	200	75	13,5	174
3,500K	110	24	706	31,6	55	75	3,5	203
3,500K	200	24	1.264	32,3	100	75	6,5	196
3,500K	400	24	2.432	33,8	200	75	13,5	180
4,000K	110	24	726	31,6	55	75	3,5	209
4,000K	200	24	1.300	32,3	100	75	6,5	201
4,000K	400	24	2.503	33,8	200	75	13,5	185

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

TECHNICAL GRAPHS | 80 CRI

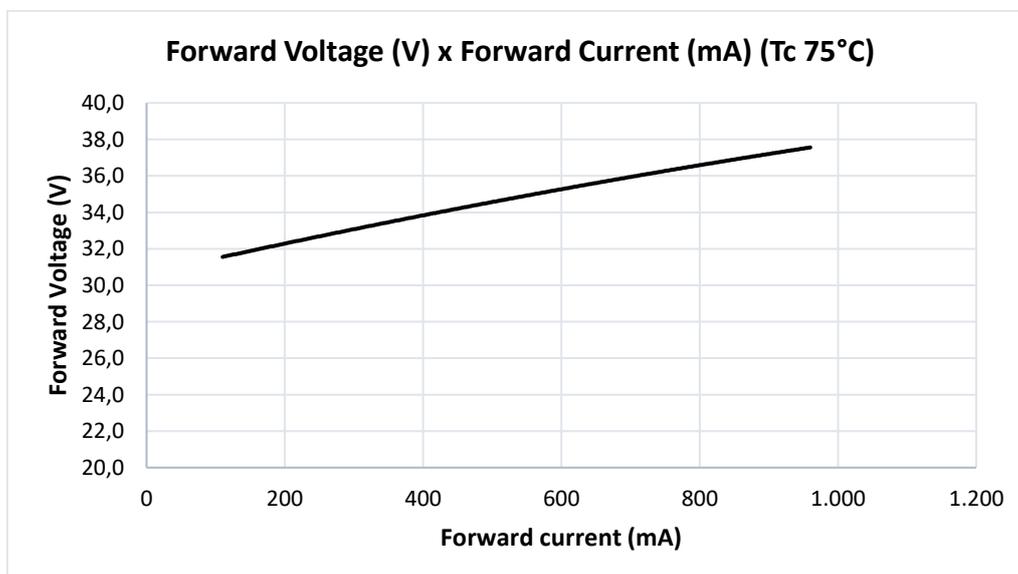
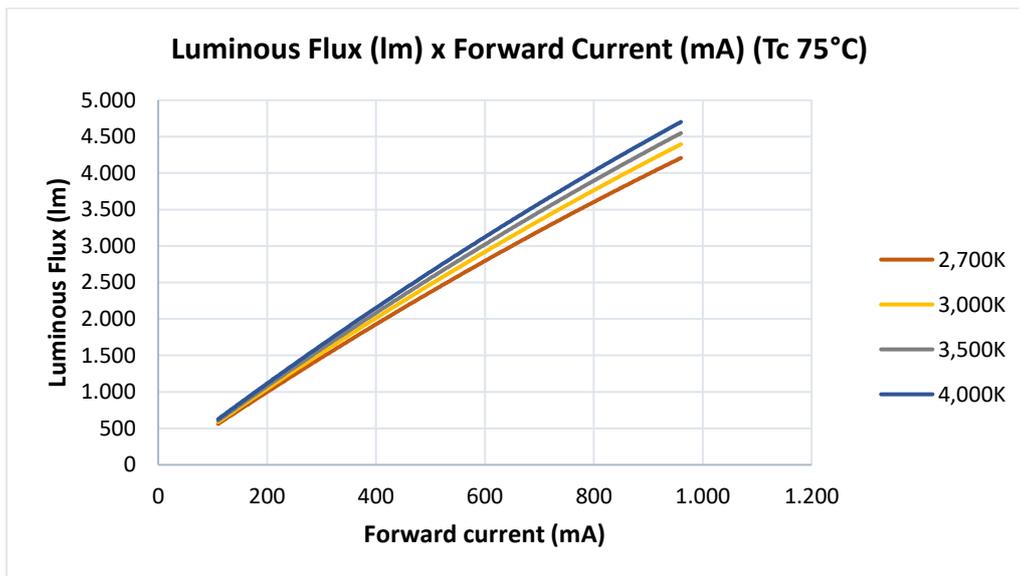


TECHNICAL INFORMATION | 90 CRI

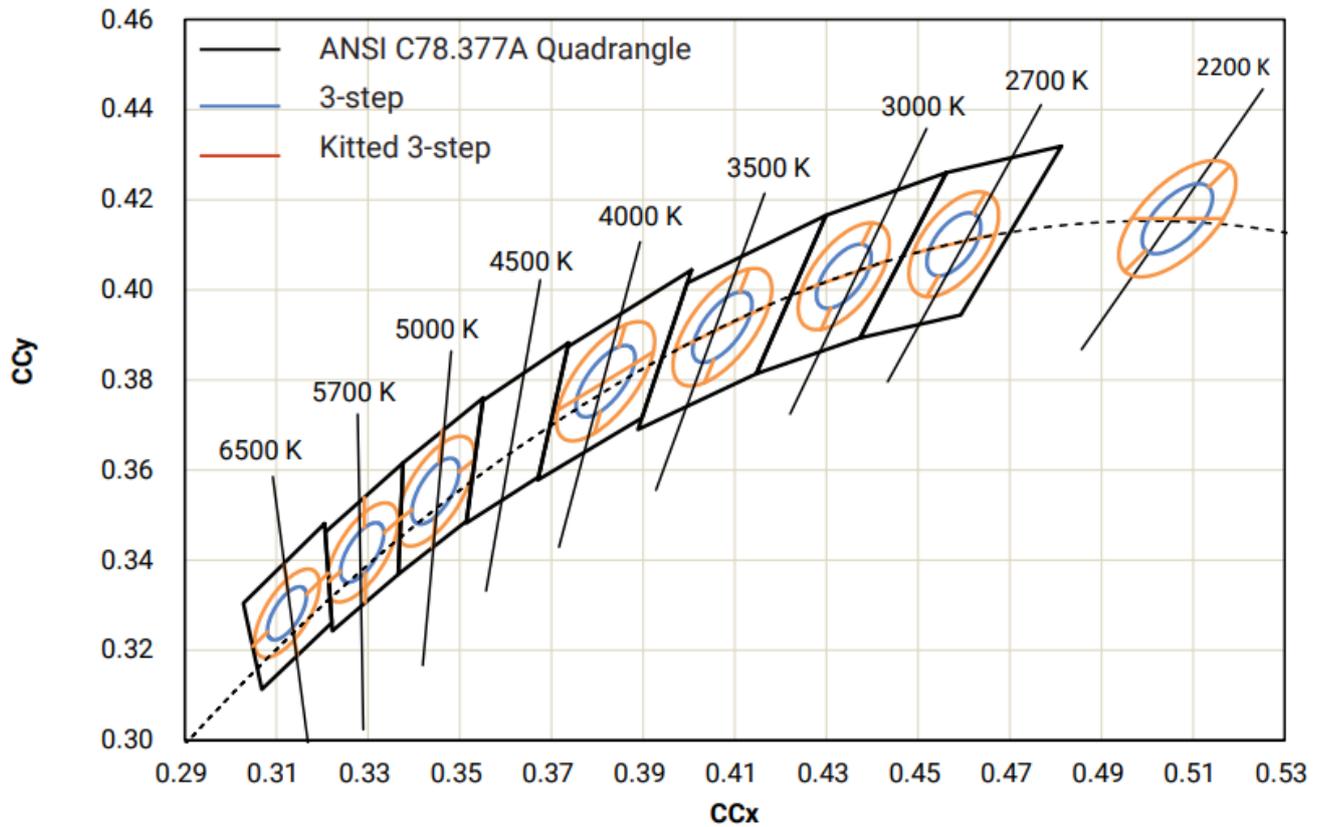
CCT	LED Driver Current (mA)	# LEDs	Luminous Flux (lm)	Forward Voltage (V)	LED Forward Current (mA)	Tc (°C)	Power (W)	Efficacy (lm/W)
2,700K	110	24	559	31,6	55	75	3,5	161
2,700K	200	24	1.000	32,3	100	75	6,5	155
2,700K	400	24	1.926	33,8	200	75	13,5	142
3,000K	110	24	584	31,6	55	75	3,5	168
3,000K	200	24	1.045	32,3	100	75	6,5	162
3,000K	400	24	2.011	33,8	200	75	13,5	149
3,500K	110	24	604	31,6	55	75	3,5	174
3,500K	200	24	1.081	32,3	100	75	6,5	167
3,500K	400	24	2.082	33,8	200	75	13,5	154
4,000K	110	24	625	31,6	55	75	3,5	180
4,000K	200	24	1.118	32,3	100	75	6,5	173
4,000K	400	24	2.152	33,8	200	75	13,5	159

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

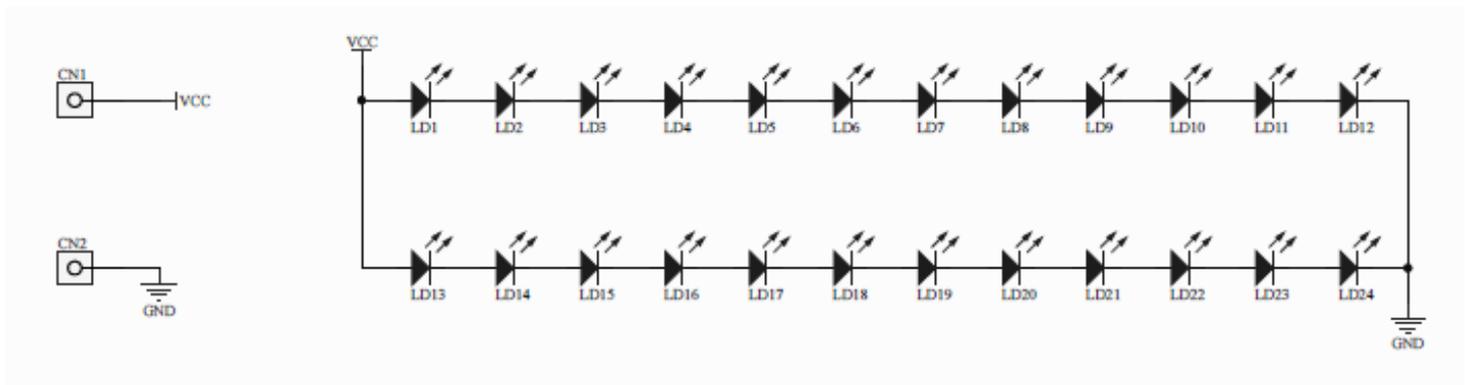
TECHNICAL GRAPHS | 90 CRI

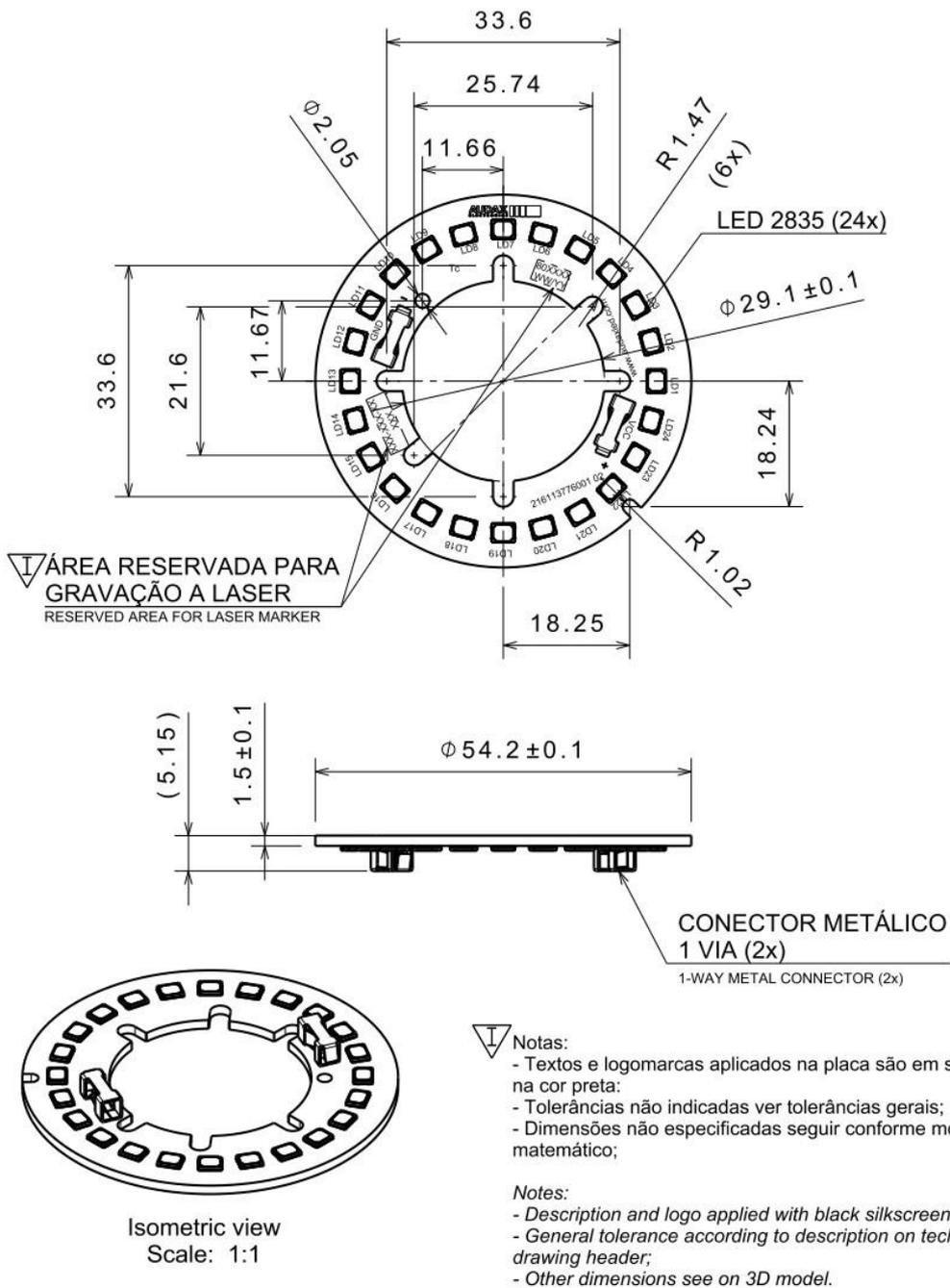


LED BINNING STRUCTURE



SCHEMATICS





WIRING

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

