

LIGHT ENGINE DAISY 6 LEDs 59.2mm X 20mm

Issue Date	November, 2023
Issued by	Nascimento, K.

Applications

- Indor Lighting

Characteristics

- Module Efficacy – up to 167 lm/W
- L70 > 50.000 hours
- CRI > 80
- 03 SDCM
- CCTs 3,500K
- 05 years warranty

**DRIVE PARAMETERS**

Parameter	Nominal	Max
I _{board} (Current)	450 mA	600 mA
V _{board} (Voltage)	12.7 V	14 V

MODULE TEMPERATURES

Parameter	Nominal	Max
Tc (case temperature at Tc point)	60 °C	85 °C

PRODUCT PART NUMBER

80 CRI		
80586600100	80587400100	80587500100
3,000K	3,500K	4,000K

LED TYPE

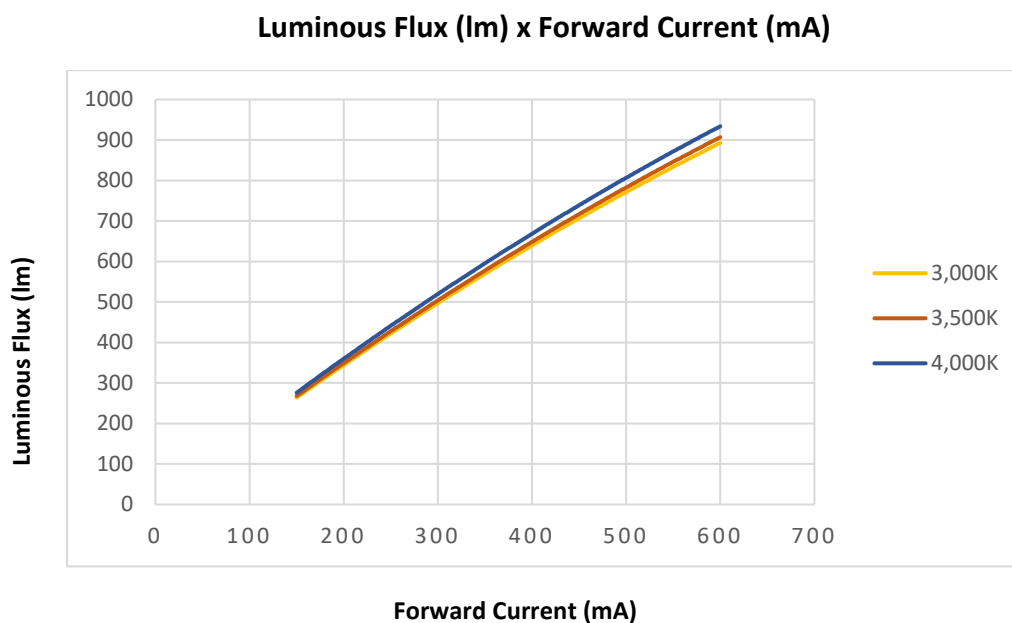
Manufacturer: Cree

LED Series: J Series® 2835 JK2835B 6-V W Class

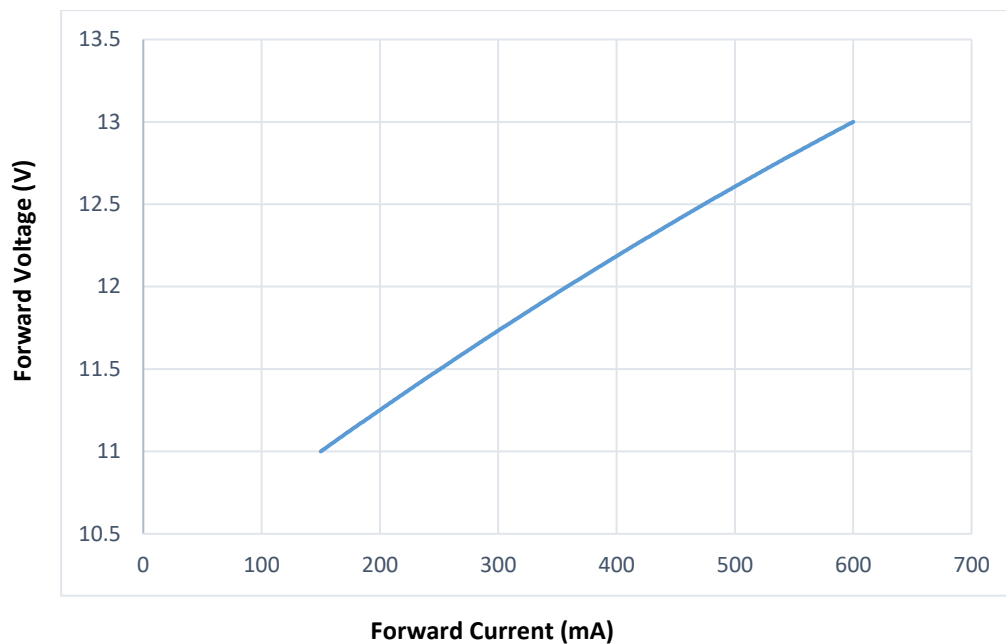
TECHNICAL INFORMATION

CCT	LED Driver Current (mA)	# LEDs	Luminous Flux (lm)	Forward Voltage (V)	LED Forward Current (mA)	T _c (°C)	Power (W)	Efficacy (lm/W)
3,000K	150	6	264	11.0	50	75	1.7	160
3,000K	450	6	707	12.4	150	75	5.6	127
3,000K	600	6	893	13.0	200	75	7.8	115
3,500K	150	6	268	11.0	50	75	1.7	162
3,500K	450	6	717	12.4	150	75	5.6	129
3,500K	600	6	907	13.0	200	75	7.8	116
4,000K	150	6	276	11.0	50	75	1.7	167
4,000K	450	6	739	12.4	150	75	5.6	132
4,000K	600	6	934	13.0	200	75	7.8	120

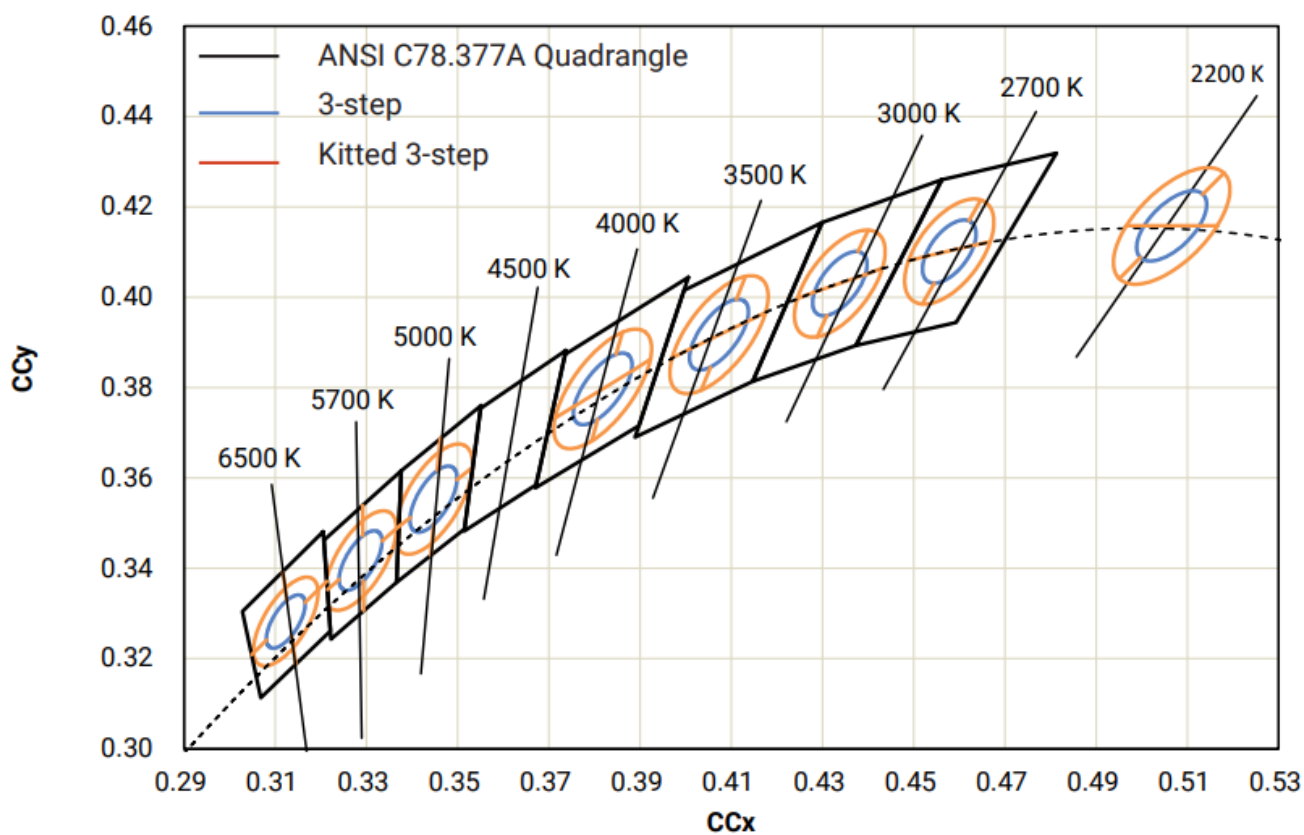
TECHNICAL GRAPHS



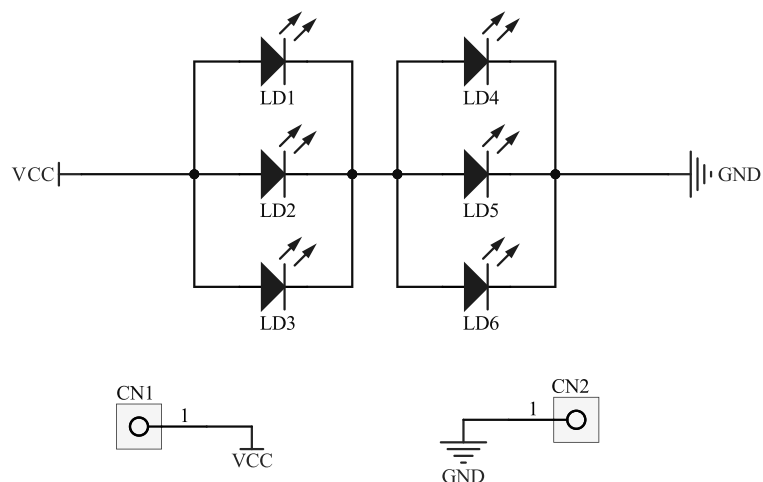
Forward Voltage (V) x Forward Current (mA) (Tc 75°C)



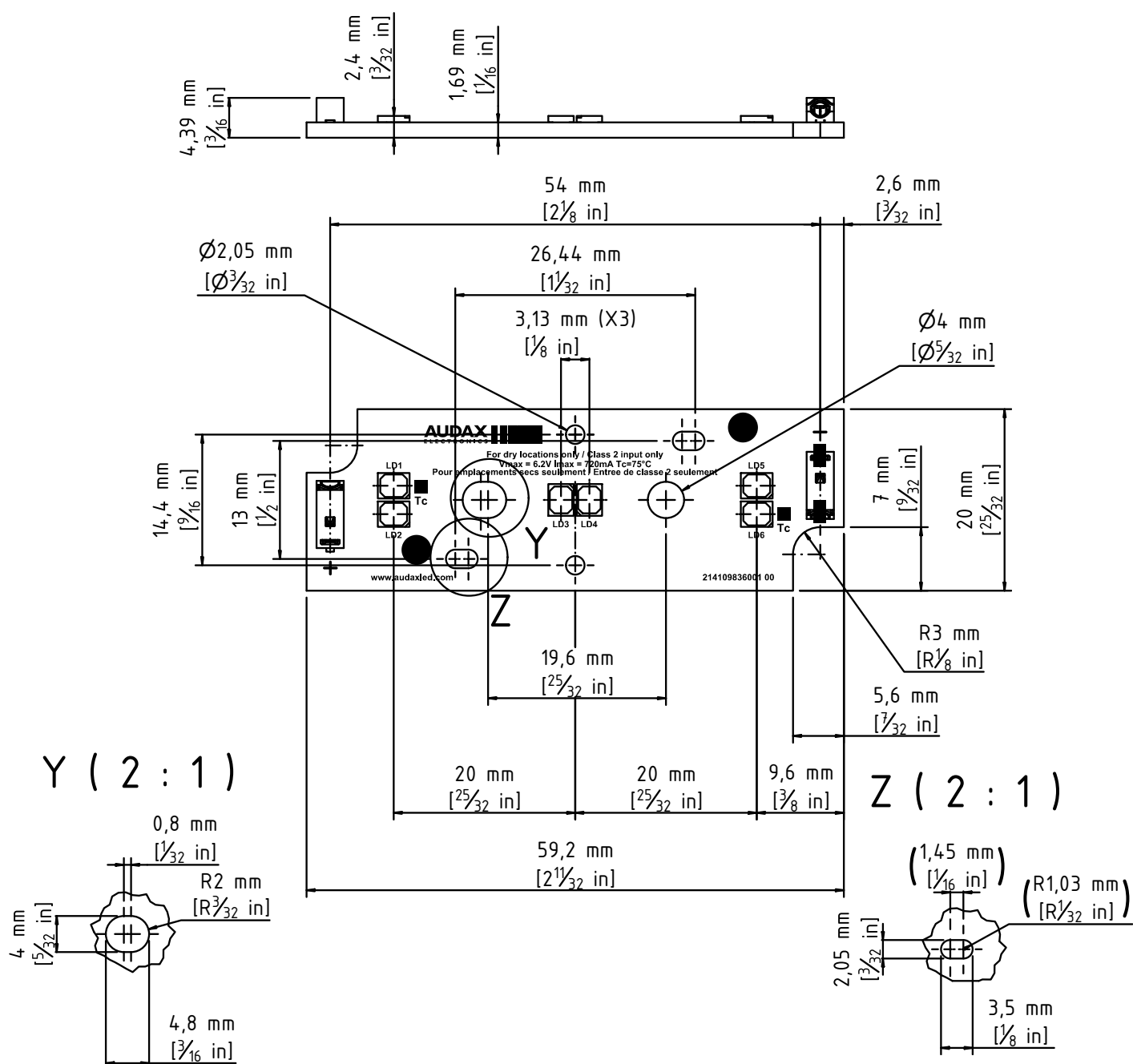
LED BINNING STRUCTURE



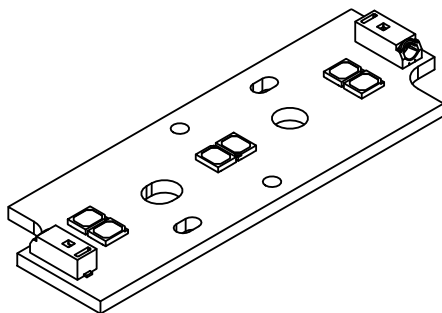
SCHEMATICS



MECHANICAL DRAWING



ISOMETRIC VIEW



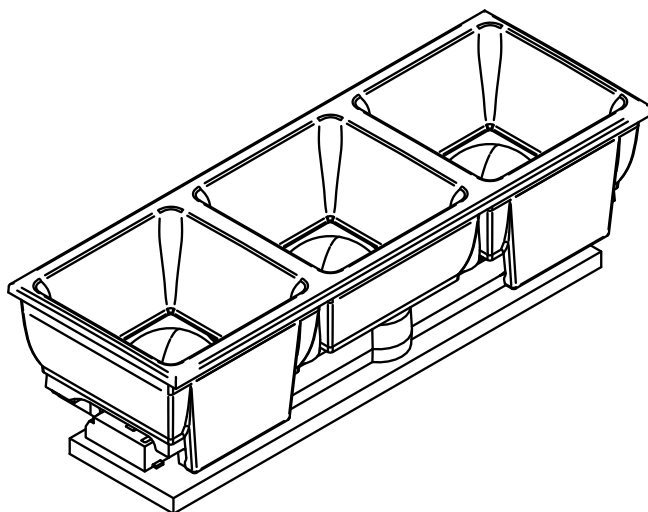
WIRING

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

COMPATIBLE OPTICS

MANUFACTURER	PART NUMBER	COLOR	MATERIAL	BEAM
LEDiL	C18504_DAISSY-MINI-3X1-W	CLEAR	PMMA	55°
LEDiL	C18505_DAISSY-MINI-3X1-W-D	CLEAR	PMMA	55°
LEDiL	C18506_DAISSY-MINI-3X1-WW	CLEAR	PMMA	65°
LEDiL	C18507_DAISSY-MINI-3X1-WW-D	CLEAR	PMMA	65°

ASSEMBLY SUGGESTION



REVISION HISTORY

VERSION	ENGINEER IN CHARGE	DATE	CHANGE
00	KN	November, 16, 2023	Release
01	KN	November, 17, 2023	Part Number added