

LIGHT ENGINE DAISY 14x1 28 LEDs 279.65 mm X 20 mm

Issue Date	November, 2023
Issued by	Nascimento, K.

Applications

- Indoor 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)	2,100 mA	2,800 mA
V _{board} (Voltage)	12.7 V	14 V

MODULE TEMPERATURES

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

PRODUCT PART NUMBER

80 CRI		
80586700100	80587600100	80587700100
3,000K	3,500K	4,000K

LED TYPE

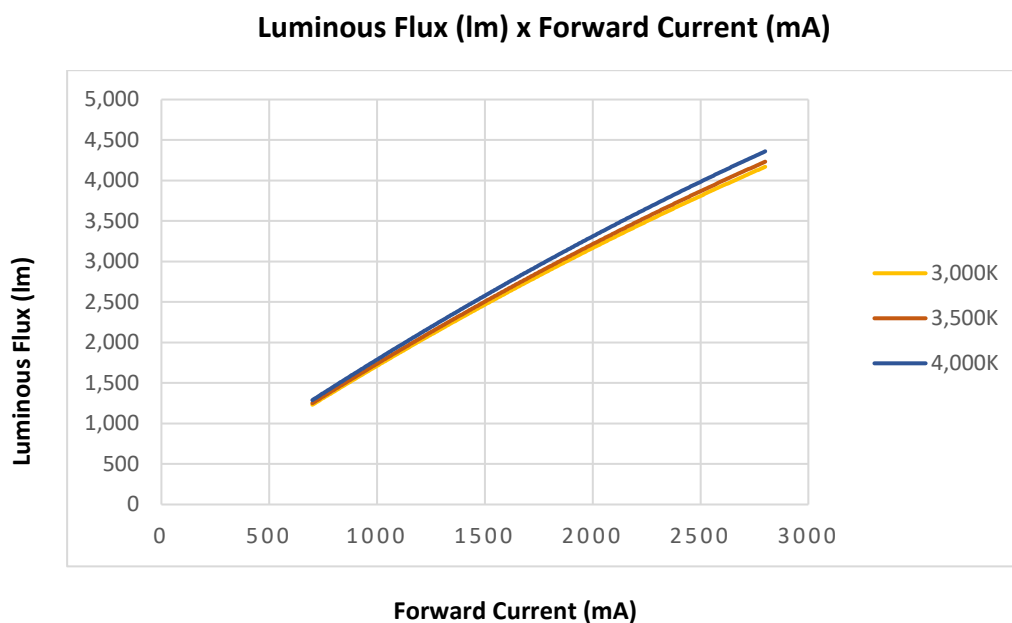
Manufacturer: Cree

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

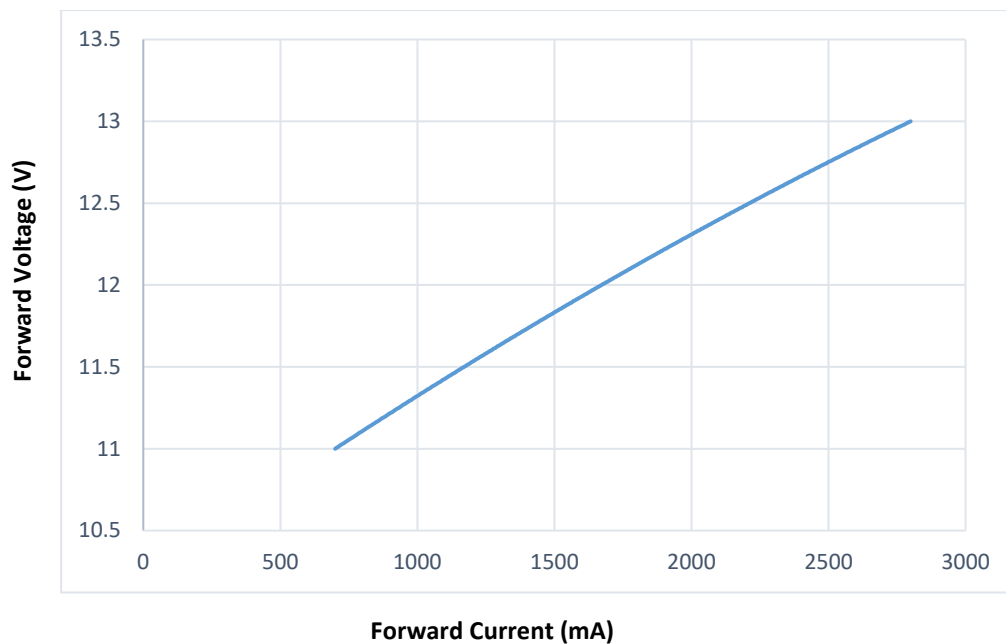
TECHNICAL INFORMATION

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	700	28	1,232	11.0	50	75	7.7	160
3,000K	2,100	28	3,300	12.4	150	75	26.0	127
3,000K	2,800	28	4,170	13.0	200	75	36.3	115
3,500K	700	28	1,251	11.0	50	75	7.7	162
3,500K	2,100	28	3,350	12.4	150	75	26.0	129
3,500K	2,800	28	4,233	13.0	200	75	36.3	116
4,000K	700	28	1,288	11.0	50	75	7.7	167
4,000K	2,100	28	3,450	12.4	150	75	26.0	132
4,000K	2,800	28	4,361	13.0	200	75	36.3	120

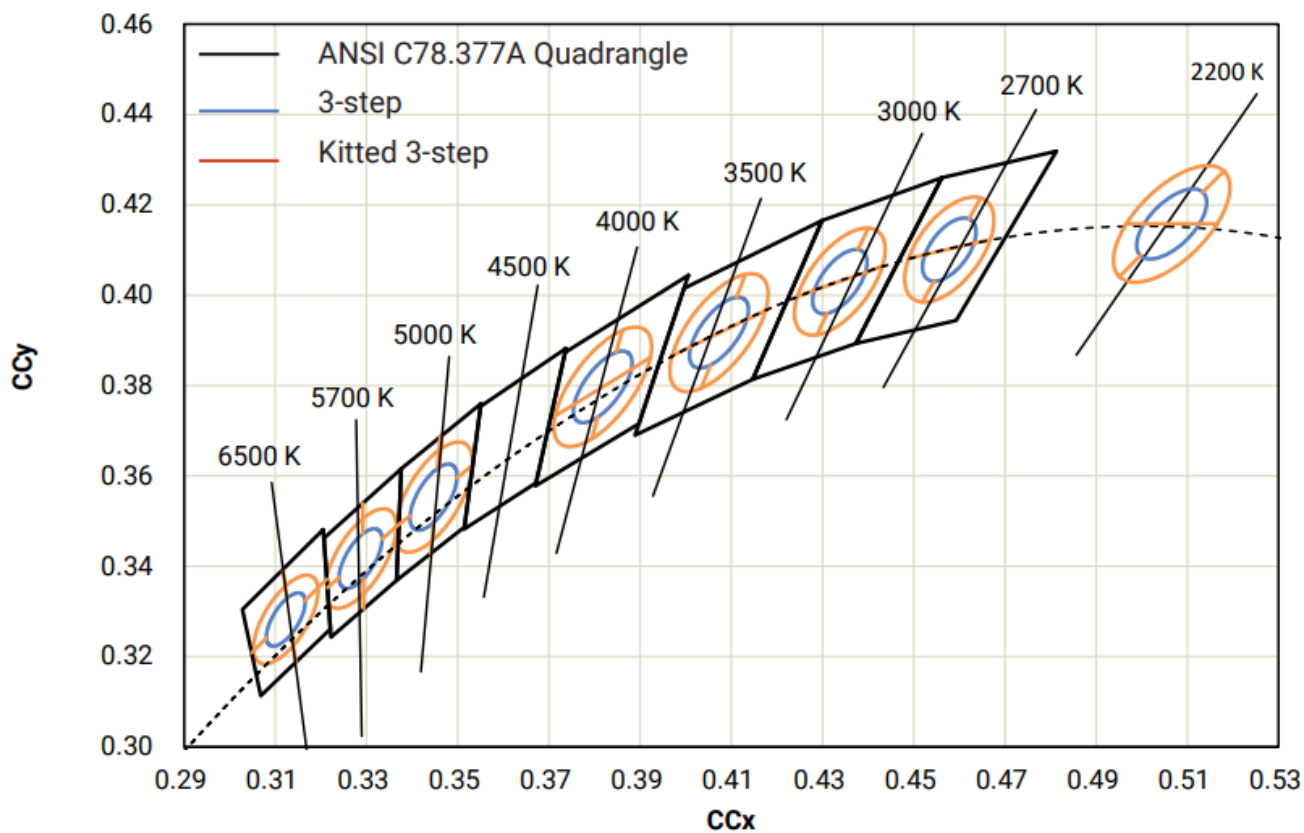
TECHNICAL GRAPHS



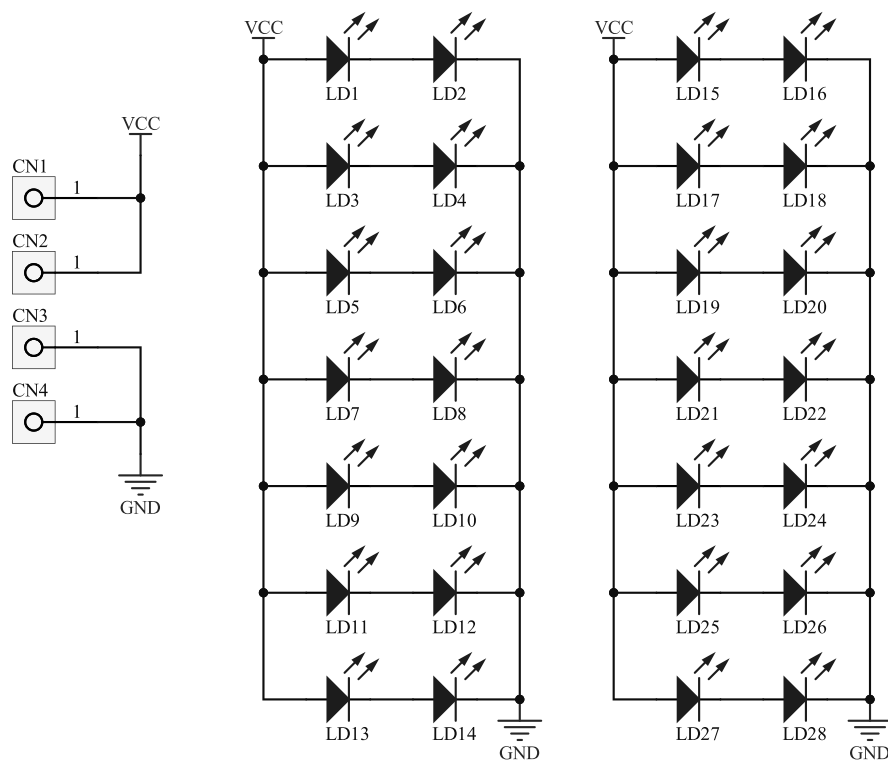
Forward Voltage (V) x Forward Current (mA) (Tc 75°C)



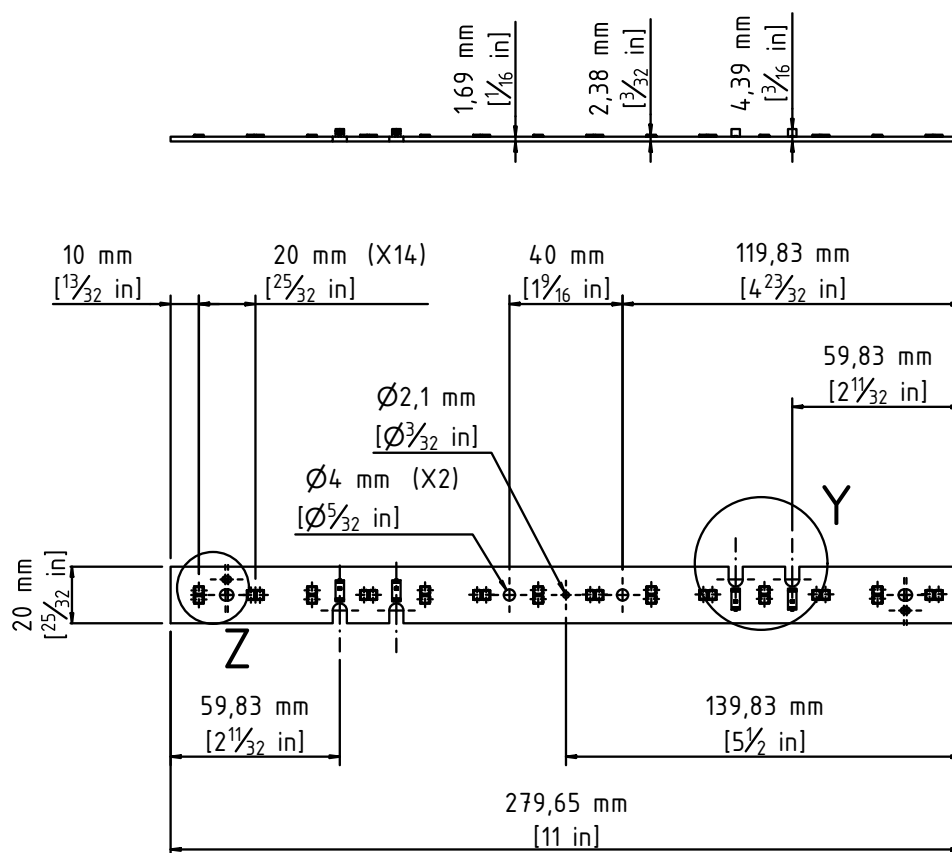
LED BINNING STRUCTURE

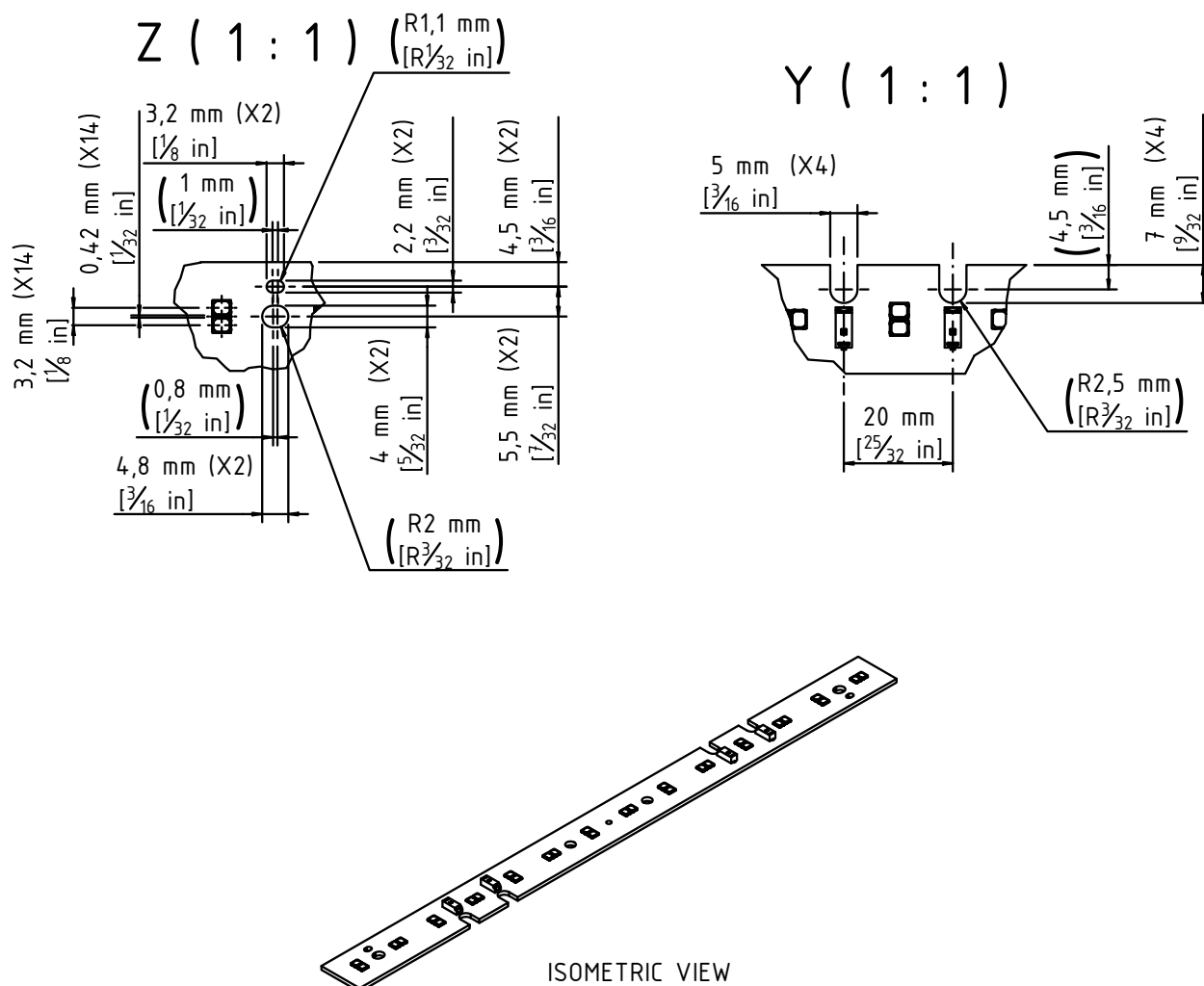


SCHEMATICS



MECHANICAL DRAWING





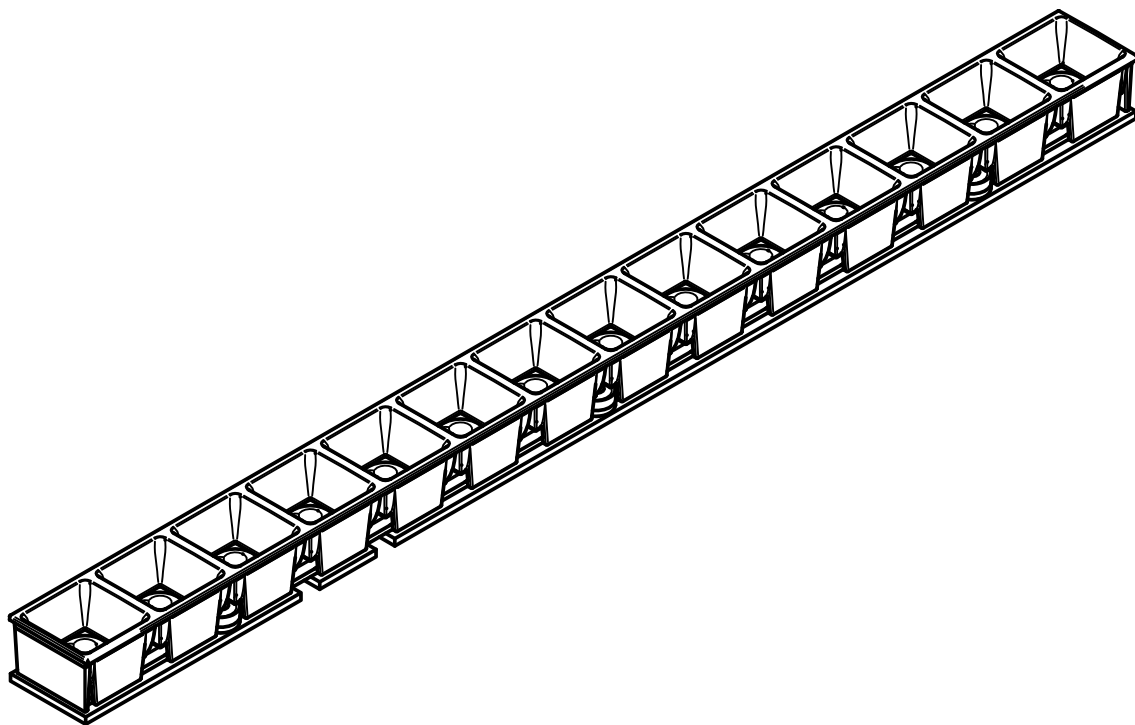
WIRING

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	F17029_DAISSY-MINI-M	CLEAR	PMMA	30°
LEDiL	F17030_DAISSY-MINI-W	CLEAR	PMMA	55°
LEDiL	F17031_DAISSY-MINI-WW	CLEAR	PMMA	65°
LEDiL	F17461_DAISSY-MINI-M-D	CLEAR	PMMA	30°
LEDiL	F17462_DAISSY-MINI-W-D	CLEAR	PMMA	55°
LEDiL	F17463_DAISSY-MINI-WW-D	CLEAR	PMMA	65°
LEDiL	F18127_DAISSY-MINI-WWW-D	CLEAR	PMMA	65°
LEDiL	F18248_DAISSY-MINI-FT-D	CLEAR	PMMA	

ASSEMBLY SUGESTION



REVISION HISTORY

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