

LIGHT ENGINE DAISY 14 LEDs 277.5mm x 20mm

Issue Date	May, 2023
Issued by	Vegner, I.

Applications

- Office Linear Lighting
- Retail Linear Lighting
- UGR Optimized Lighting
- Dark Light

Characteristics

- Module Efficacy – up to 171 lm/W
- L70 > 50.000 hours
- CRI > 90 (Typ.95)
- 03 SDCM
- CCTs 2,700K / 3,000K / 3,500K
- 05 years warranty



DRIVE CURRENTS

Parameter	Nominal	Max
Light Engine Daisy 14 LEDs 277.5mm x 20mm	200 mA	400 mA

MODULE TEMPERATURES

Parameter	Nominal	Max
Tc (case temperature at Tc point)	75 °C	85 °C

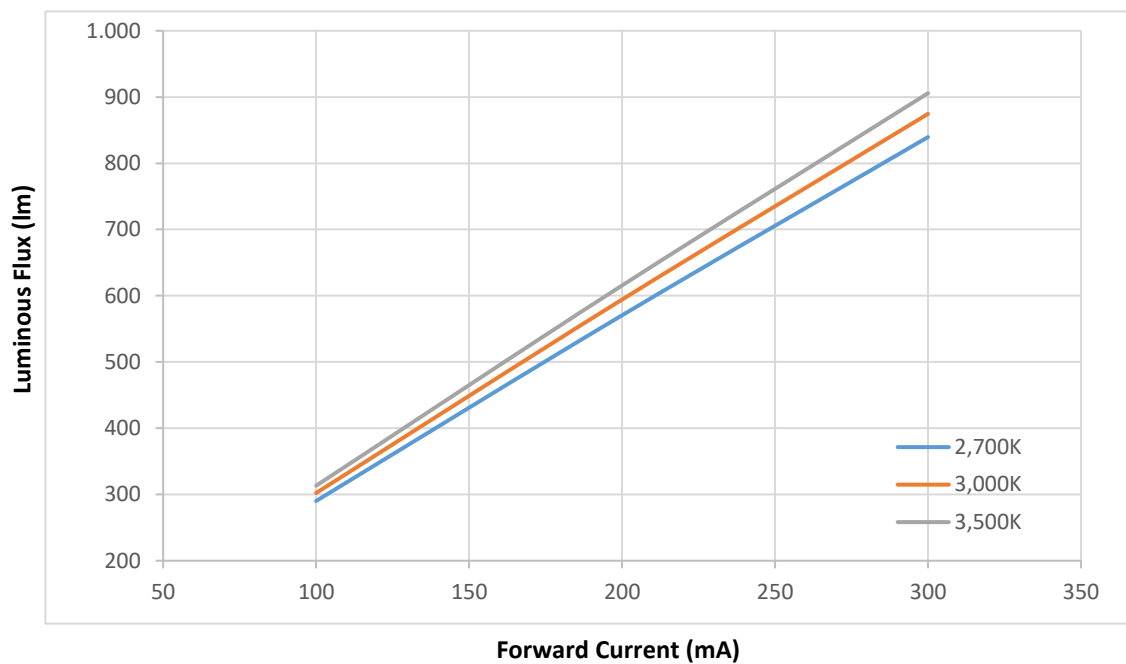
PRODUCT PART NUMBER

80529700100	80529800100	80529900100
2,700K	3,000K	3,500K

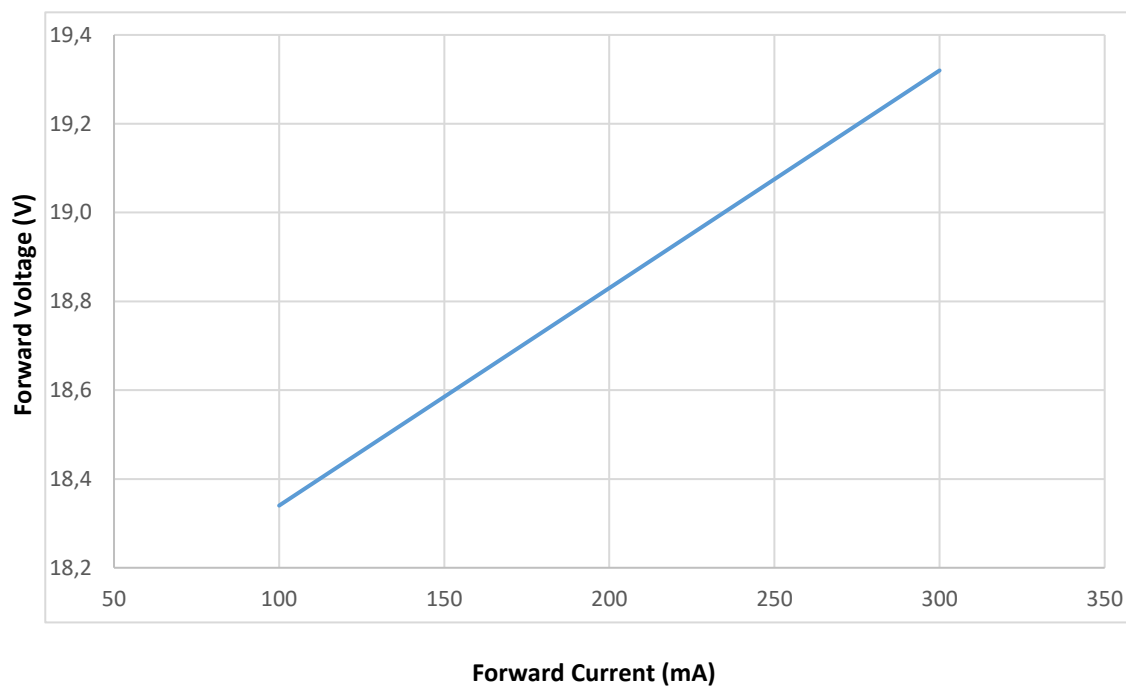
TECHNICAL INFORMATION

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	100	14	290	18.3	50	75	1.8	158
2,700K	200	14	571	18.8	100	75	3.8	151
2,700K	300	14	840	19.3	150	75	5.8	145
3,000K	100	14	302	18.3	50	75	1.8	165
3,000K	200	14	594	18.8	100	75	3.8	158
3,000K	300	14	875	19.3	150	75	5.8	151
3,500K	100	14	313	18.3	50	75	1.8	171
3,500K	200	14	616	18.8	100	75	3.8	163
3,500K	300	14	906	19.3	150	75	5.8	156

Luminous Flux (lm) x Forward Current (mA) (Tc 75°C)



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

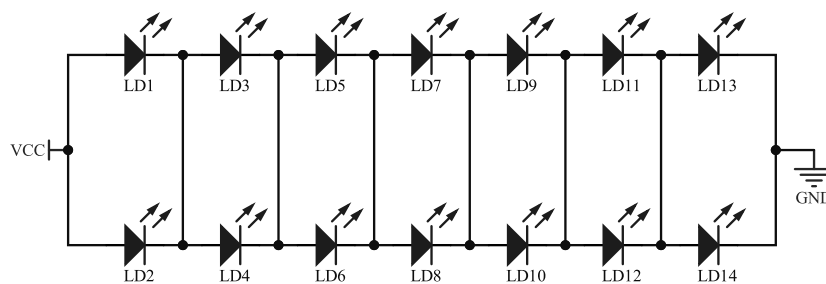


LED TYPE

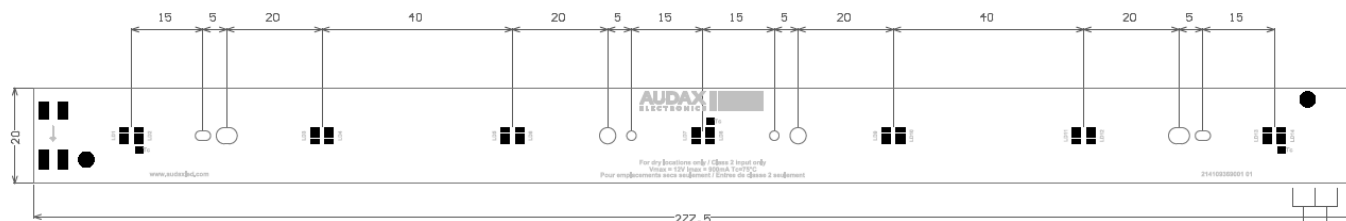
Manufacturer: CREE

LED Series: 2835 J Series G Class

SCHEMATICS



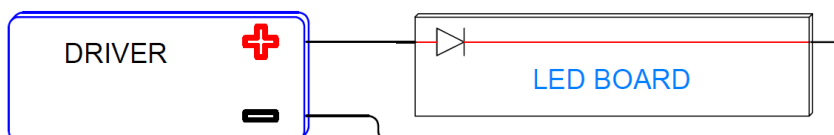
MECHANICAL DRAWING



Unit: mm

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	C16870_DAISY-7X1-WW	Clear	PMMA	80°
LEDiL	C16871_DAISY-7X1-W	Clear	PMMA	50°
LEDiL	C16989_DAISY-7X1-W2	Clear	PMMA	50°
LEDiL	C17361_DAISY-7X1-WW-D	Milky	PMMA	80°
LEDiL	C17362_DAISY-7X1-W-D	Milky	PMMA	50°
LEDiL	C17363_DAISY-7X1-W2-D	Milky	PMMA	50°
LEDiL	C17538_DAISY-7X1-O	Clear	PMMA	25 + 70°
LEDiL	C17540_DAISY-7X1-O-D	Mily	PMMA	25 + 70°
LEDiL	C17390_DAISY-7X1-ZT25	Clear	PMMA	Asy-Angle ⁽¹⁾
LEDiL	C17391_DAISY-7X1-WAS	Clear	PMMA	Asy-Angle ⁽¹⁾
LEDiL	C17389_DAISY-7X1-M	Clear	PMMA	35°
LEDiL	C17767_DAISY-7X1-ZT25-D	Milky	PMMA	Asy-Angle ⁽¹⁾
LEDiL	C18143_DAISY-7X1-M-D	-	PMMA	35°

(1) Photometric data for asymmetrical angles can be evaluated on www.ledil.com