

LIGHT ENGINE DAISY 56 LEDs 1,140mm x 20mm

Issue Date	Nov, 2023
Issued by	Andrade, C.

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 56 LEDs 1,140mm x 20mm	700mA	1,400mA

MODULE TEMPERATURES

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

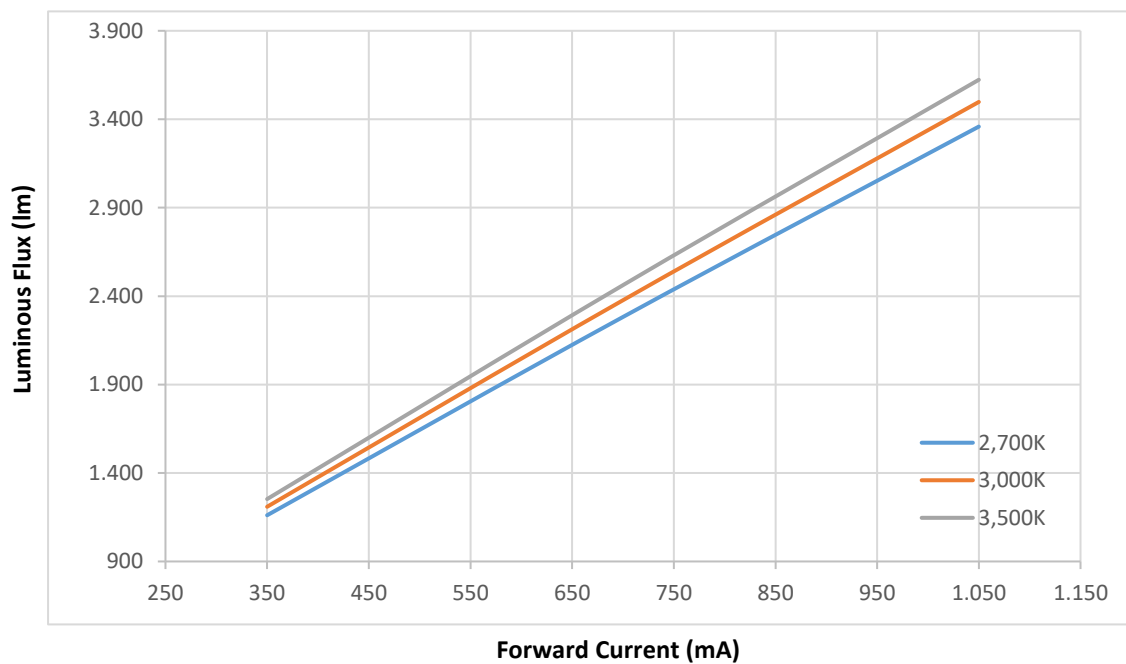
PRODUCT PART NUMBER

80530600100	80530700100	80530800100
2,700K	3,000K	3,500K

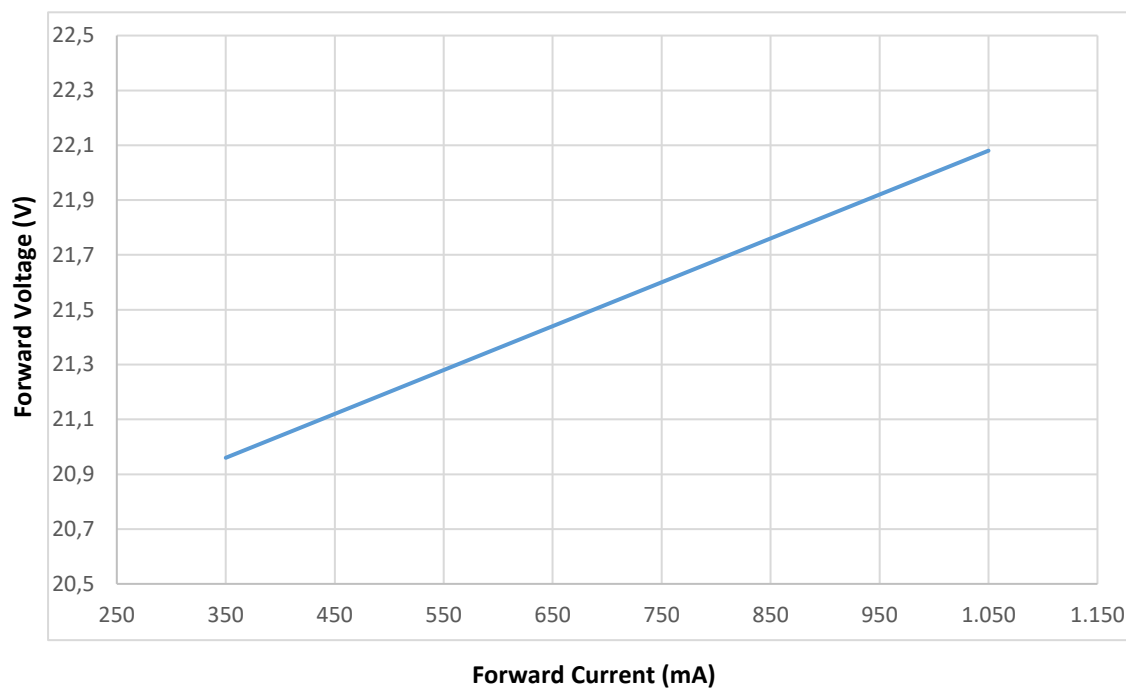
TECHNICAL INFORMATION

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	350	56	1,161	21.0	50	75	7.3	158
2,700K	700	56	2,282	21.5	100	75	15.1	151
2,700K	1,050	56	3,358	22.1	150	75	23.2	145
3,000K	350	56	1,209	21.0	50	75	7.3	165
3,000K	700	56	2,377	21.5	100	75	15.1	158
3,000K	1,050	56	3,498	22.1	150	75	23.2	151
3,500K	350	56	1,253	21.0	50	75	7.3	171
3,500K	700	56	2,462	21.5	100	75	15.1	163
3,500K	1,050	56	3,623	22.1	150	75	23.2	156

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



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

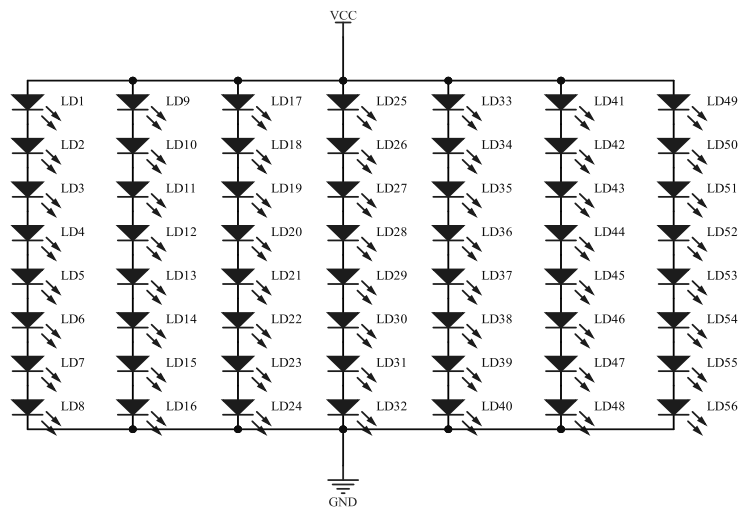


LED TYPE

Manufacturer: CREE

LED Series: 2835 J Series G Class

SCHEMATICS

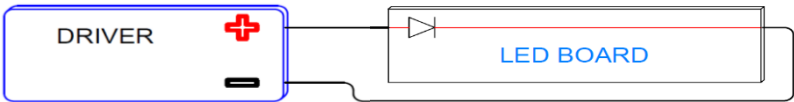


MECHANICAL DRAWING



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	C16584_DAISSY-4X1-WW	Clear	PMMA	~80°
LEDiL	C16588_DAISSY-4X1-W	Clear	PMMA	~50°
LEDiL	C16993_DAISSY-4X1-WW-D	Milky	PMMA	~80°
LEDiL	C16992_DAISSY-4X1-W-D	Milky	PMMA	~50°
LEDiL	C16870_DAISSY-7X1-WW	Clear	PMMA	~80°
LEDiL	C16871_DAISSY-7X1-W	Clear	PMMA	~50°
LEDiL	C17361_DAISSY-7X1-WW-D	Milky	PMMA	~80°
LEDiL	C17362_DAISSY-7X1-W-D	Milky	PMMA	~50°
LEDiL	C17363_DAISSY-7X1-W2-D	Milky	PMMA	~50°
LEDiL	C16989_DAISSY-7X1-W2	Clear	PMMA	~50°