

LIGHT ENGINE DAISY 8x1 16 LEDs 300.7x20mm

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 205 lm/W
- L70 > 50.000 hours
- CRI > 80 (Typ.85)
- 03 SDCM
- CCTs 3,000K / 3,500K / 4,000K
- 05 years warranty



DRIVING CURRENTS

Parameter	Nominal	Max
Light Engine Daisy 8x1 16 LEDs 300.7x20mm	120 mA	960 mA

MODULE TEMPERATURES

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

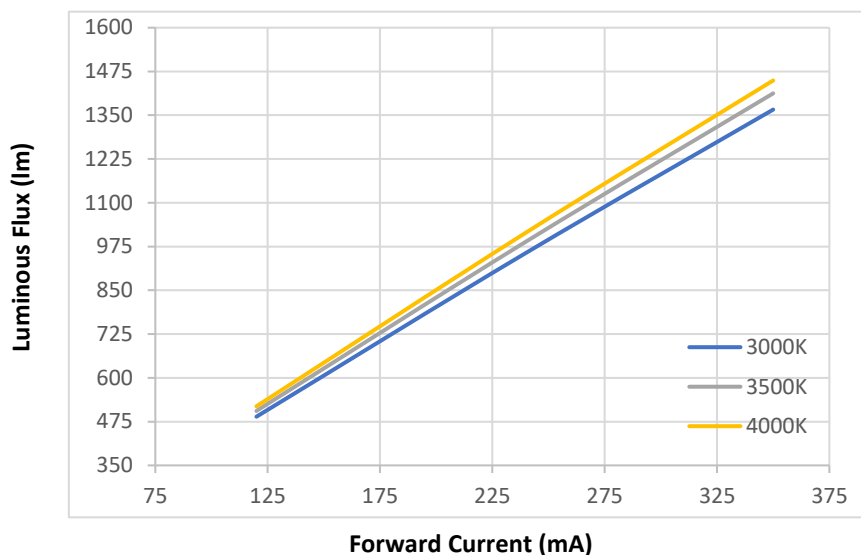
PRODUCT PART NUMBER

80527300100	80527400100	80527500100
3,000 K	3,500 K	4,000 K

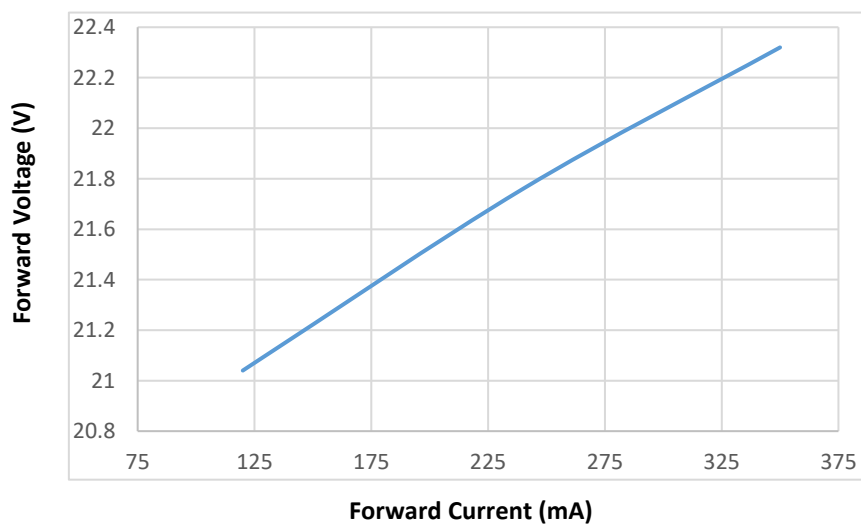
TECHNICAL INFORMATION

CCT	LED Driver Current (mA)	# LEDs	Luminous Flux (lm)*	Forward Voltage (V)	LED Forward Current (mA)	Tc (°C)	Power (W)	Efficacy (lm/W)*
3,000K	120	16	489	21.0	60	75	2.5	194
3,000K	240	16	957	21.8	120	75	5.2	183
3,000K	350	16	1,366	22.3	175	75	7.8	175
3,500K	120	16	506	21.0	60	75	2.5	200
3,500K	240	16	989	21.8	120	75	5.2	189
3,500K	350	16	1,412	22.3	175	75	7.8	181
4,000K	120	16	519	21.0	60	75	2.5	205
4,000K	240	16	1,015	21.8	120	75	5.2	194
4,000K	350	16	1,449	22.3	175	75	7.8	186

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



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

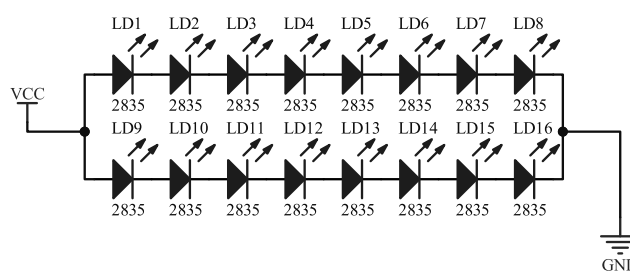


LED TYPE

Manufacturer: CREE

LED Series: 2835 G Class

SCHEMATICS



Unit: mm

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

