

LIGHT ENGINE DAISY 8x1 16 LEDs 300.7x20mm

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Issued by	Vegner, I.

Applications

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

Characteristics

- Module Efficacy – up to 170 lm/W
- L70 > 50.000 hours
- CRI > 90 (Typ.95)
- 03 SDCM
- CCTs 2,700K / 3,000K / 3,500K
- 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

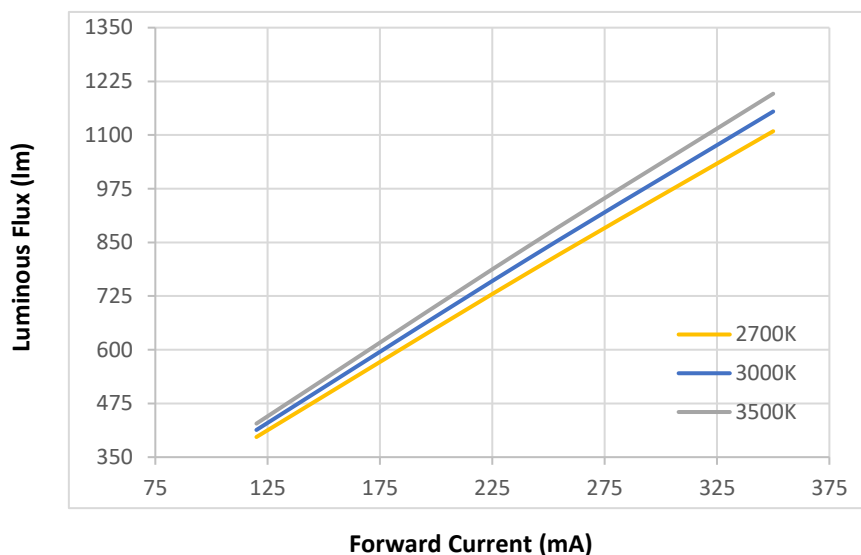
PRODUCT PART NUMBER

80527700100	80527800100	80527900100
2,700 K	3,000 K	3,500 K

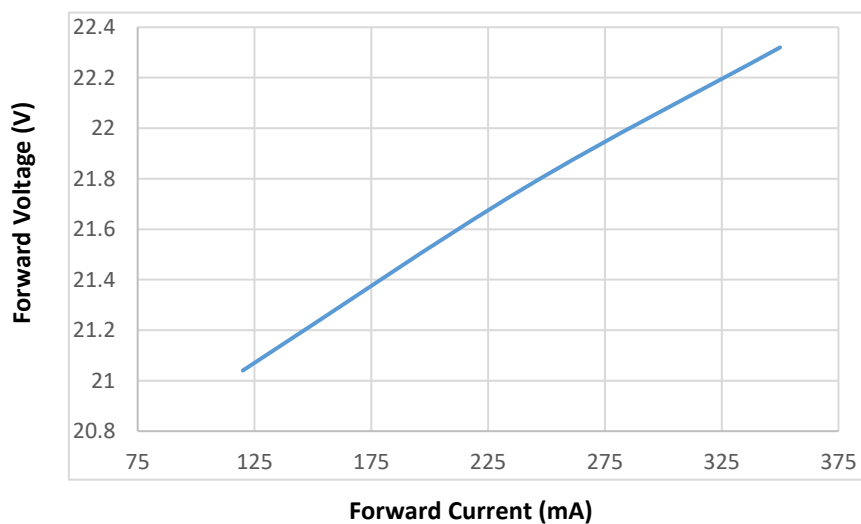
TECHNICAL INFORMATION

CCT	LED Driver Current (mA)	# LEDs	Luminous Flux (lm)*	Forward Voltage (V)	LED Forward Current (mA)	Tc (°C)	Power (W)	Efficacy (lm/W)*
2,700K	120	16	397	21.0	60	75	2.5	157
2,700K	240	16	777	21.8	120	75	5.2	149
2,700K	350	16	1,109	22.3	175	75	7.8	142
3,000K	120	16	413	21.0	60	75	2.5	164
3,000K	240	16	809	21.8	120	75	5.2	155
3,000K	350	16	1,155	22.3	175	75	7.8	148
3,500K	120	16	428	21.0	60	75	2.5	170
3,500K	240	16	838	21.8	120	75	5.2	160
3,500K	350	16	1,196	22.3	175	75	7.8	153

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



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

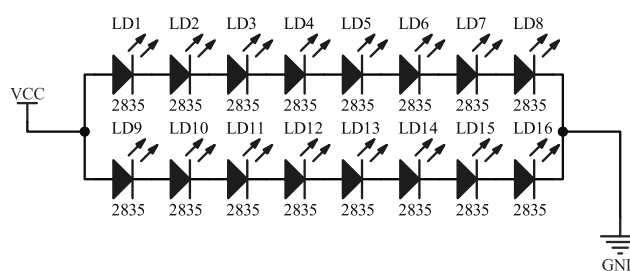


LED TYPE

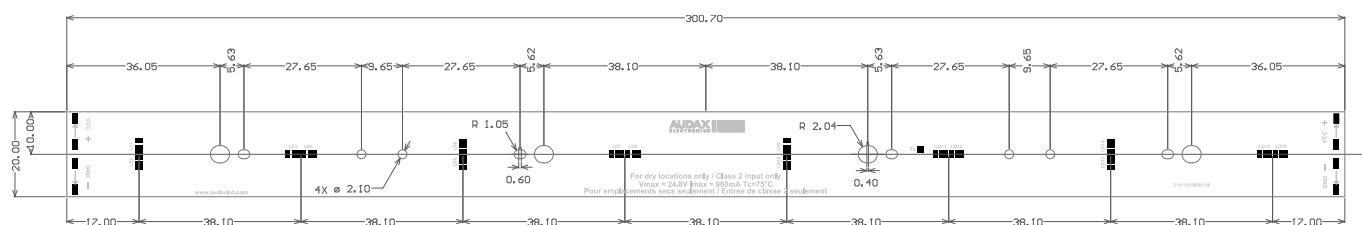
Manufacturer: CREE

LED Series: 2835 G Class

SCHEMATICS



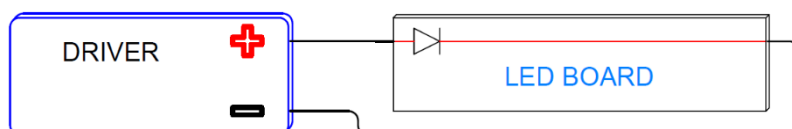
MECHANICAL DRAWING



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	Beam
LEDiL	CN17175_DAISSY-8X1-W-MATT	Black	~50°
LEDiL	CN17176_DAISSY-8X1-WW-MATT	Black	~80°
LEDiL	CN17177_DAISSY-8X1-WW-MATT-WHT	White	~80°
LEDiL	CN17178_DAISSY-8X1-W-MATT-WHT	White	~50°
LEDiL	CN17343_DAISSY-8X1-W-MATT-WHT-D	White	~50°
LEDiL	CN17344_DAISSY-8X1-WW-MATT-WHT-D	White	~80°
LEDiL	CN17345_DAISSY-8X1-WW-MATT-D	Black	~80°
LEDiL	CN17347_DAISSY-8X1-W-MATT-D	Black	~50°
LEDiL	C18109_DAISSY-4X1-M-D-US	Milky	~35°
LEDiL	C17819_DAISSY-4X1-M-US	Clear	~35°

