

LIGHT ENGINE DAISY 16 LEDs 156mm x 20mm

Issue Date	January, 2022
Issued by	Carmo, K.

Applications

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

Characteristics

- Module Efficacy – up to 166 lm/W
- L70 > 50,000 hours
- CRI > 90 (Typ.95)
- 03 SDCM
- CCTs 3000K / 3500K / 4000K
- 05 years warranty



DRIVE CURRENTS

Parameter	Nominal	Max
Light Engine Daisy 16 LEDs 156mm x 20mm	100mA	480mA

MODULE TEMPERATURES

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

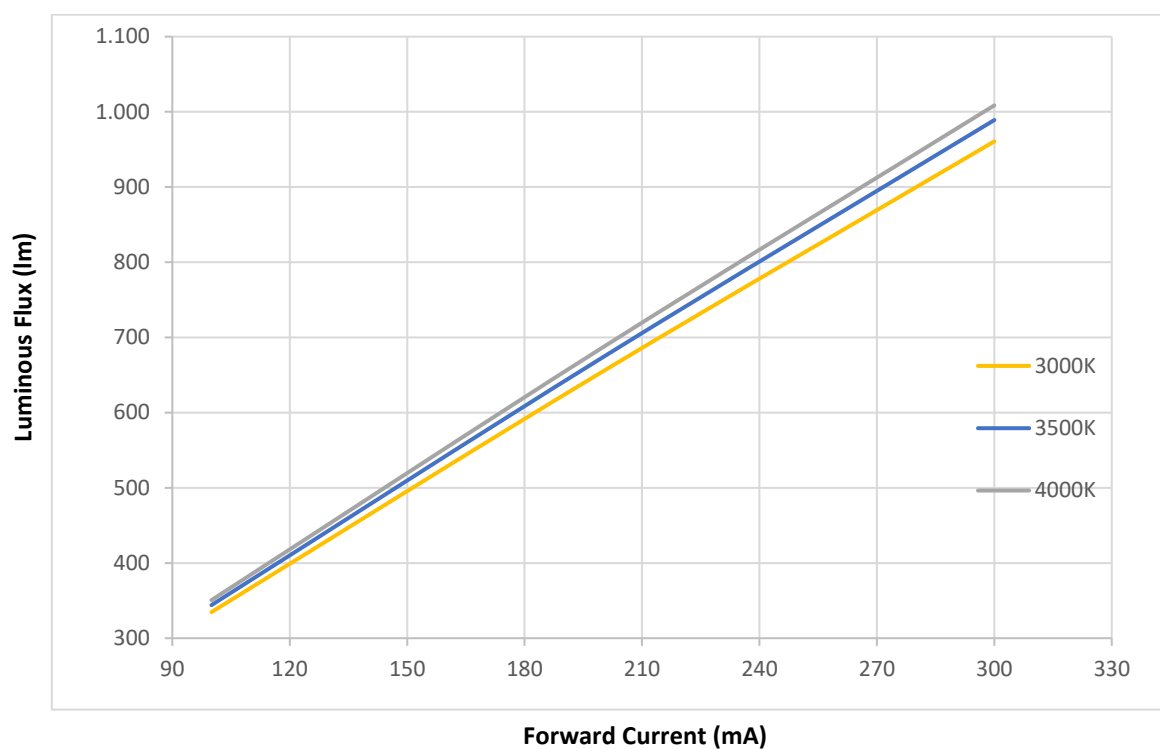
PRODUCT PART NUMBER

80410000100	80410100100	8041020100
3000K	3500K	4000K

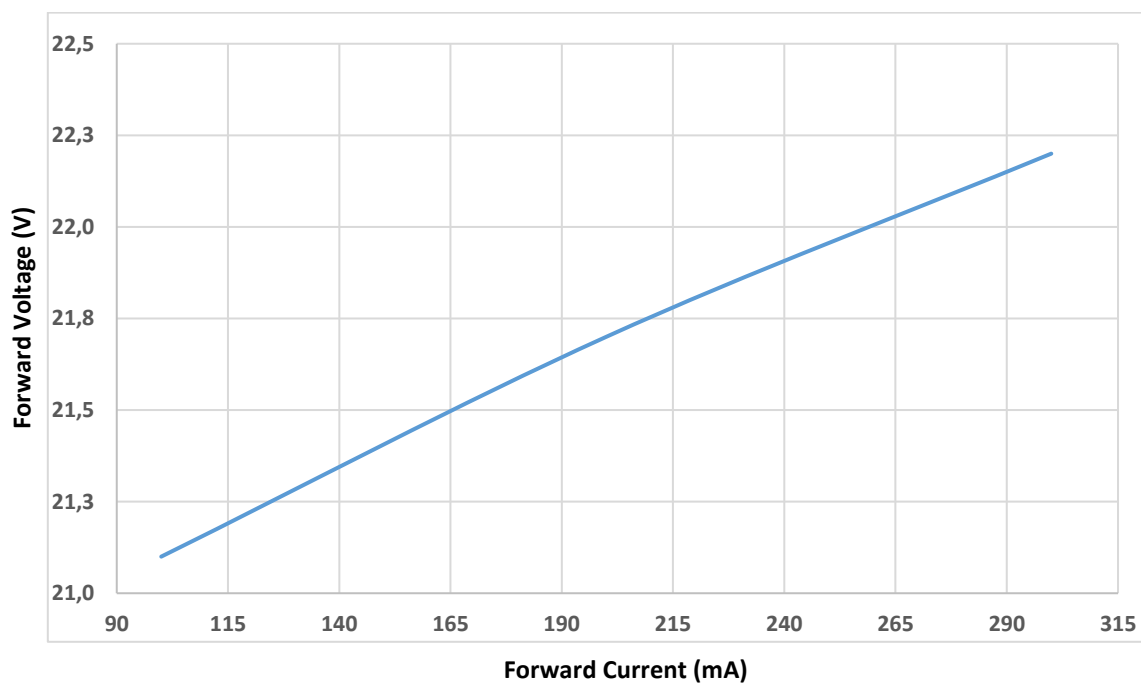
TECHNICAL INFORMATION

CCT	LED Driver Current (mA)	# LEDs	Luminous Flux (lm)	Forward Voltage (V)	LED Forward Current (mA)	TC (°C)	Power (W)	Efficacy (lm/W)
3000K	100	16	334.7	21.1	50	75	2.1	159.3
3000K	200	16	654.8	21.7	100	75	4.3	152.2
3000K	300	16	960.7	22.2	150	75	6.7	144.2
3500K	100	16	344	21.1	50	75	2.1	163.8
3500K	200	16	673.7	21.7	100	75	4.3	156.6
3500K	300	16	989.1	22.2	150	75	6.7	147.6
4000K	100	16	350.6	21.1	50	75	2.1	166
4000K	200	16	686.9	21.7	100	75	4.3	159.7
4000K	300	16	1,008.6	22.2	150	75	6.7	150

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



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

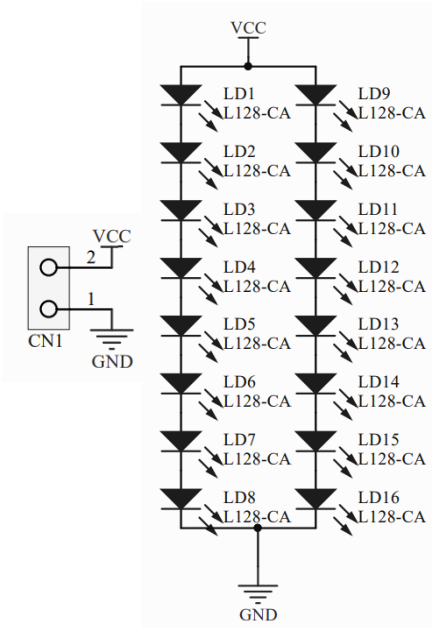


LED TYPE

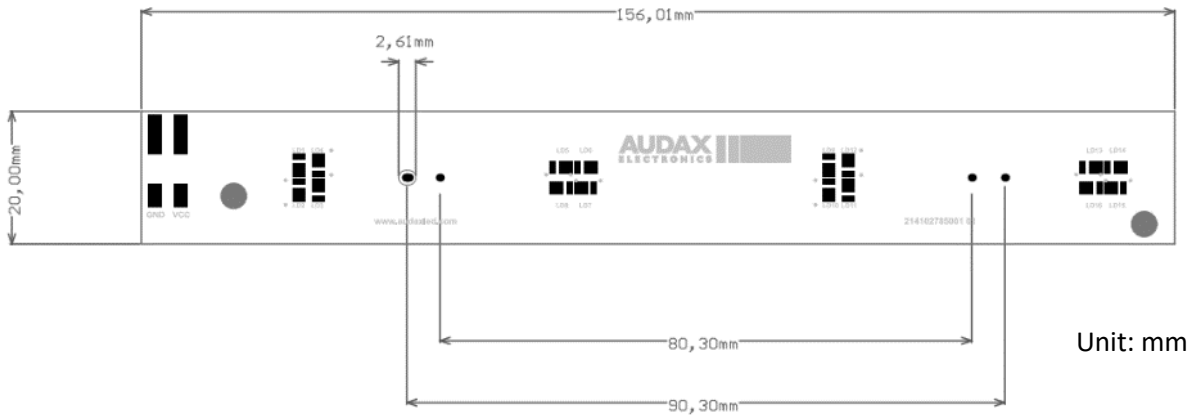
Manufacturer: Lumileds

LED Series: LUXEON 2835 HE

SCHEMATICS

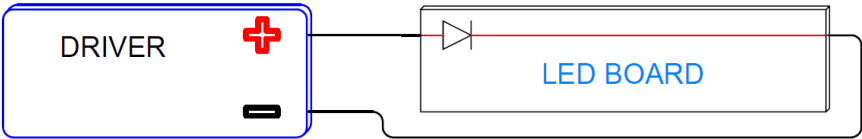


MECHANICAL DRAWING



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°