

LIGHT ENGINE DAISY 28 LEDs 277.5mm x 20mm

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Issued by	Carmo, K.

Applications

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

Characteristics

- Module Efficacy – up to 165 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 28 LEDs 277.5mm x 20mm	350mA	1400mA

MODULE TEMPERATURES

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

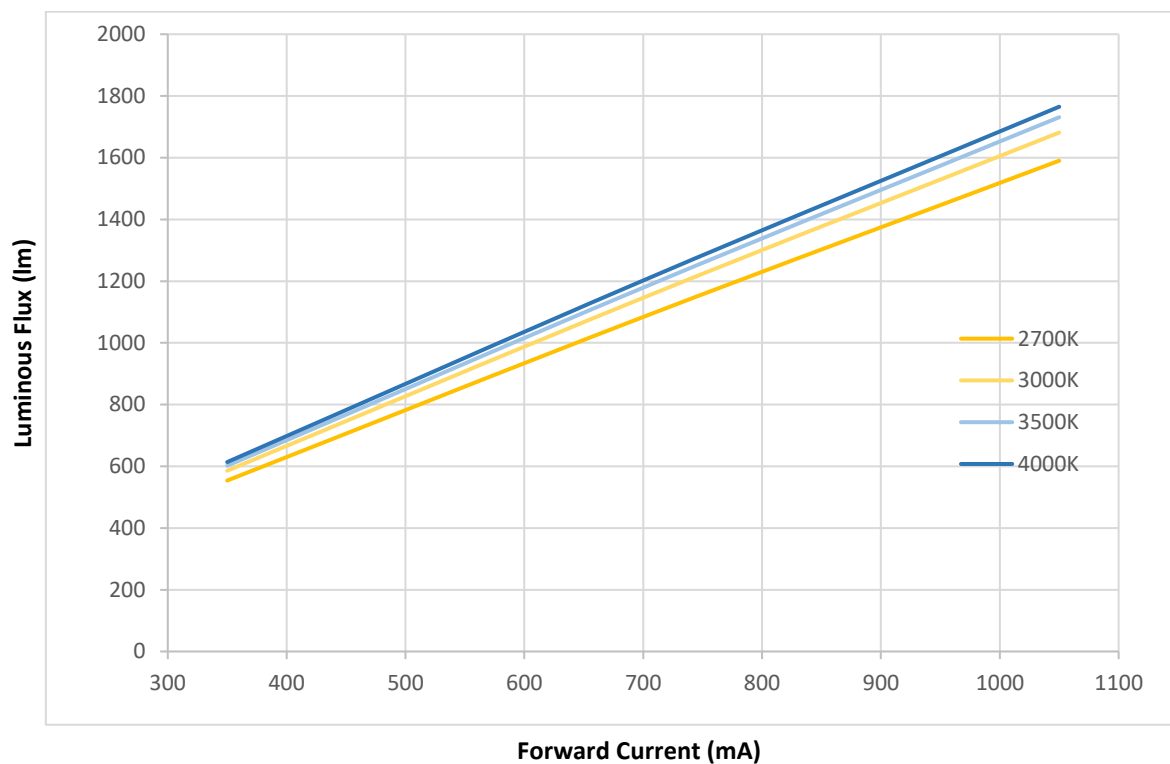
PRODUCT PART NUMBER

80347600100	80347700100	80347800100	80410600100
2700K	3000K	3500K	4000K

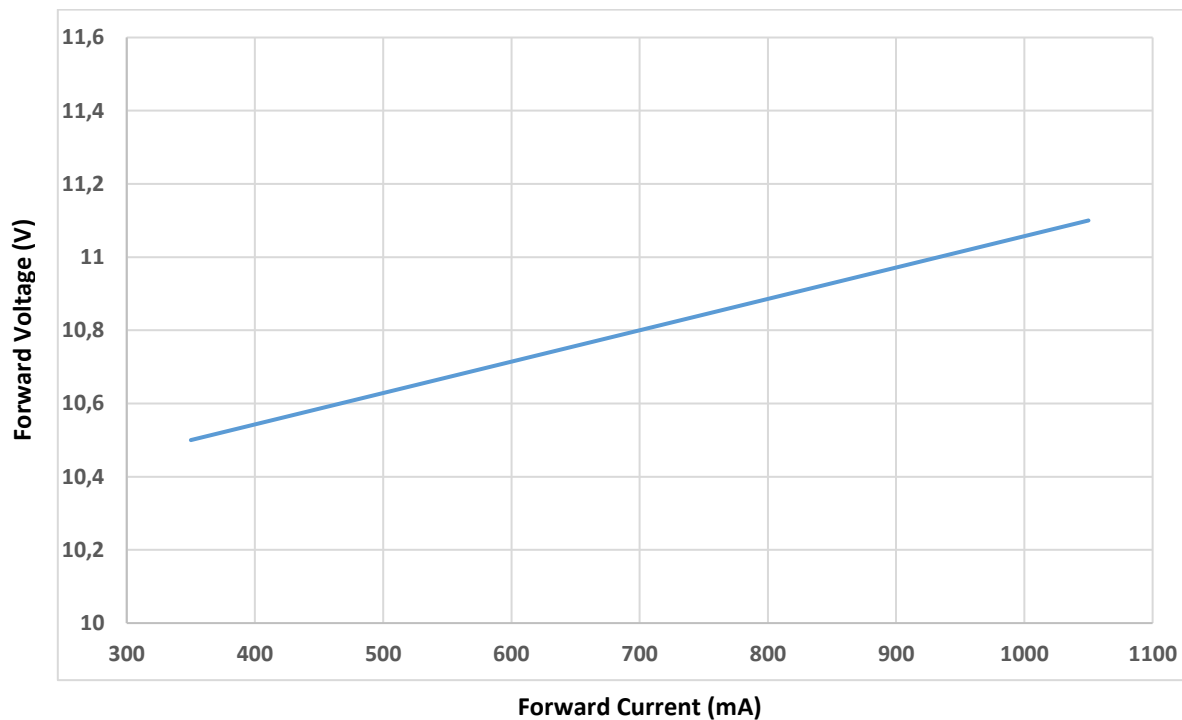
TECHNICAL INFORMATION

CCT	LED Driver Current (mA)	# LEDs	Luminous Flux (lm)	Forward Voltage (V)	LED Forward Current (mA)	TC (°C)	Power (W)	Efficacy (lm/W)
2700K	350	28	554	10.5	50	75	3.7	149.7
2700K	700	28	1,084	10.8	100	75	7.6	142.6
2700K	1,050	28	1,590	11.1	150	75	11.7	135.9
3000K	350	28	586	10.5	50	75	3.7	158.3
3000K	700	28	1,146	10.8	100	75	7.6	150.8
3000K	1,050	28	1,681	11.1	150	75	11.7	143.7
3500K	350	28	602	10.5	50	75	3.7	162.7
3500K	700	28	1,179	10.8	100	75	7.6	155.1
3500K	1,050	28	1,731	11.1	150	75	11.7	147.9
4000K	350	28	614	10.5	50	75	3.7	165.9
4000K	700	28	1,202	10.8	100	75	7.6	158.2
4000K	1,050	28	1,765	11.1	150	75	11.7	150.9

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



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

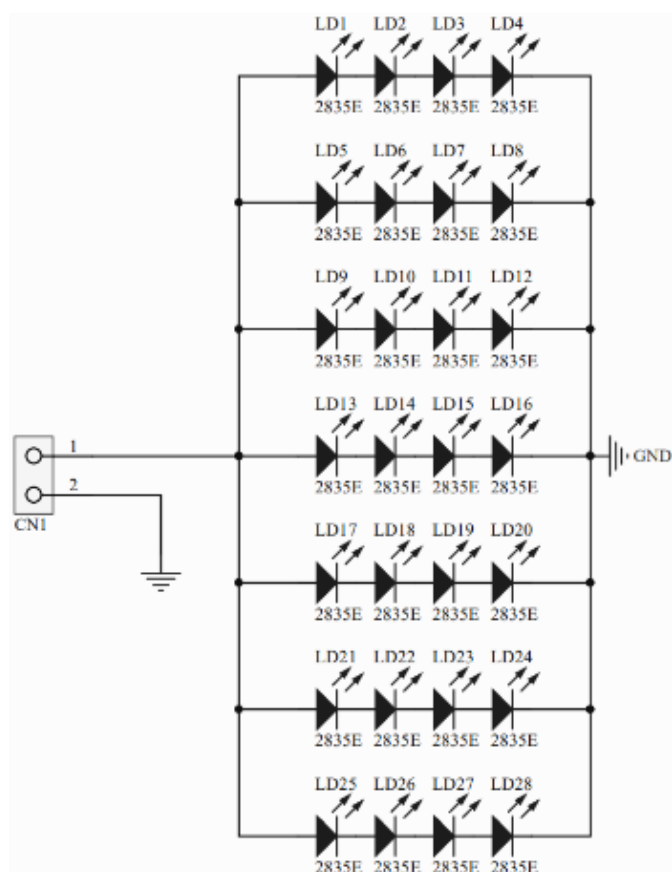


LED TYPE

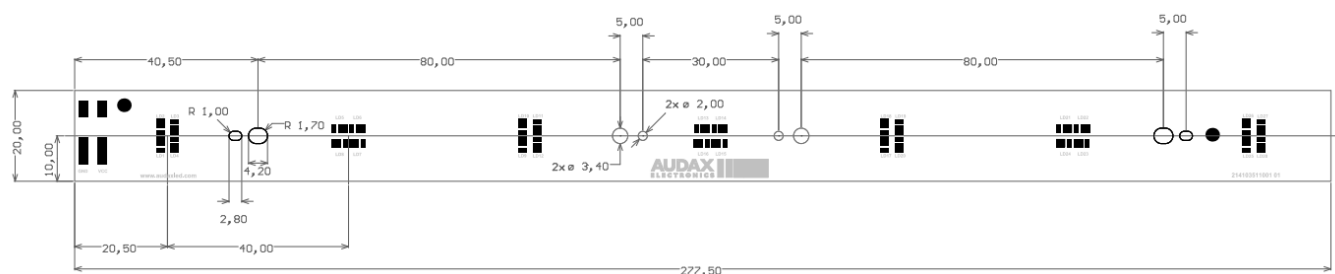
Manufacturer: Lumileds

LED Series: Luxeon 2835 HE

SCHEMATICS



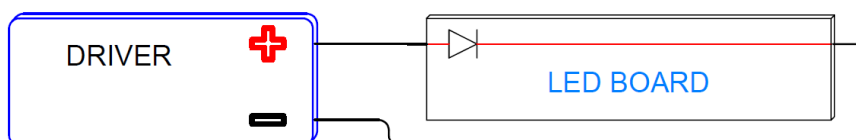
MECHANICAL DRAWING



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_DAISSY-7X1-WW	Clear	PMMA	80°
LEDiL	C16871_DAISSY-7X1-W	Clear	PMMA	50°
LEDiL	C16989_DAISSY-7X1-W2	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	C17538_DAISSY-7X1-O	Clear	PMMA	25 + 70°
LEDiL	C17540_DAISSY-7X1-O-D	Mily	PMMA	25 + 70°
LEDiL	C17390_DAISSY-7X1-ZT25	Clear	PMMA	Asy-Angle ⁽¹⁾
LEDiL	C17391_DAISSY-7X1-WAS	Clear	PMMA	Asy-Angle ⁽¹⁾
LEDiL	C17389_DAISSY-7X1-M	Clear	PMMA	35°
LEDiL	C17767_DAISSY-7X1-ZT25-D	Milky	PMMA	Asy-Angle ⁽¹⁾
LEDiL	C18143_DAISSY-7X1-M-D	-	PMMA	35°

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