

LIGHT ENGINE DAISY 112 LEDs 1,140mm x 20mm

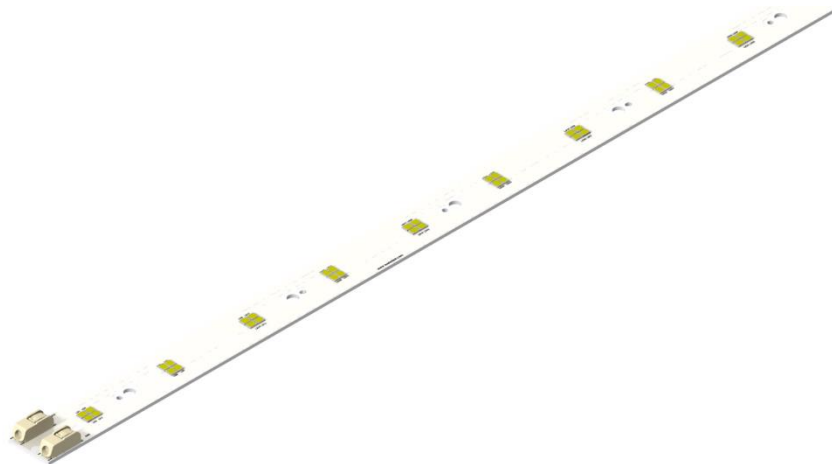
Issue Date	January, 2022
Issued by	Carmo, K.

Applications

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

Characteristics

- Module Efficacy – up to 183 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 112 LEDs 1,140mm x 20mm	700mA	2,100mA

MODULE TEMPERATURES

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

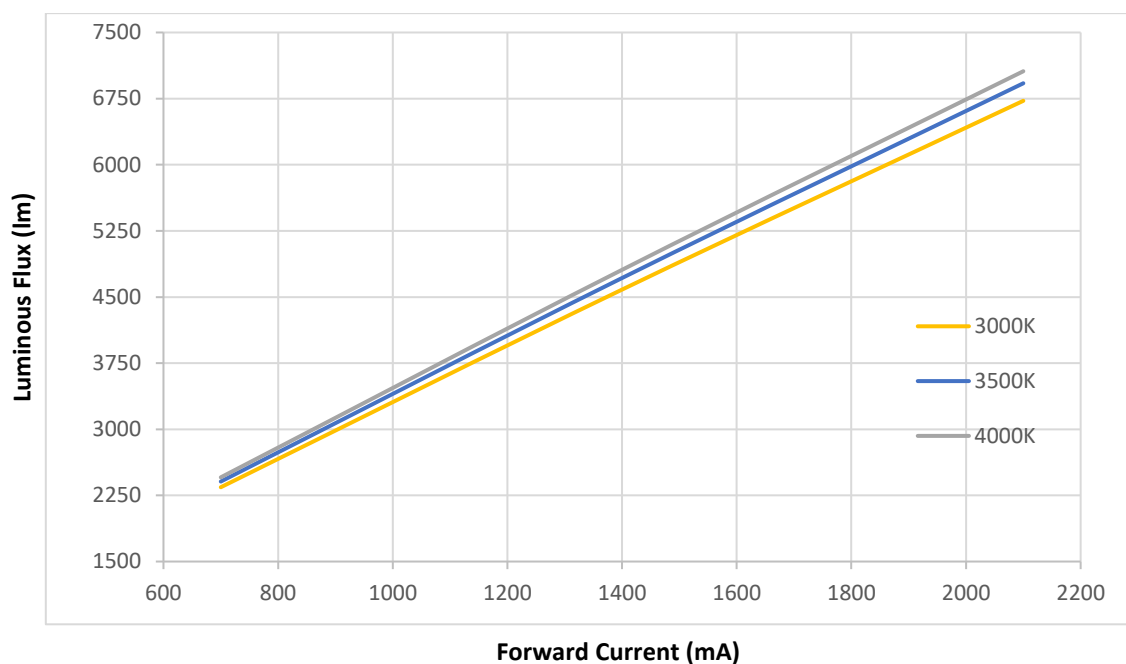
PRODUCT PART NUMBER

80410700100	80410800100	80410900100
3000K	3500K	4000K

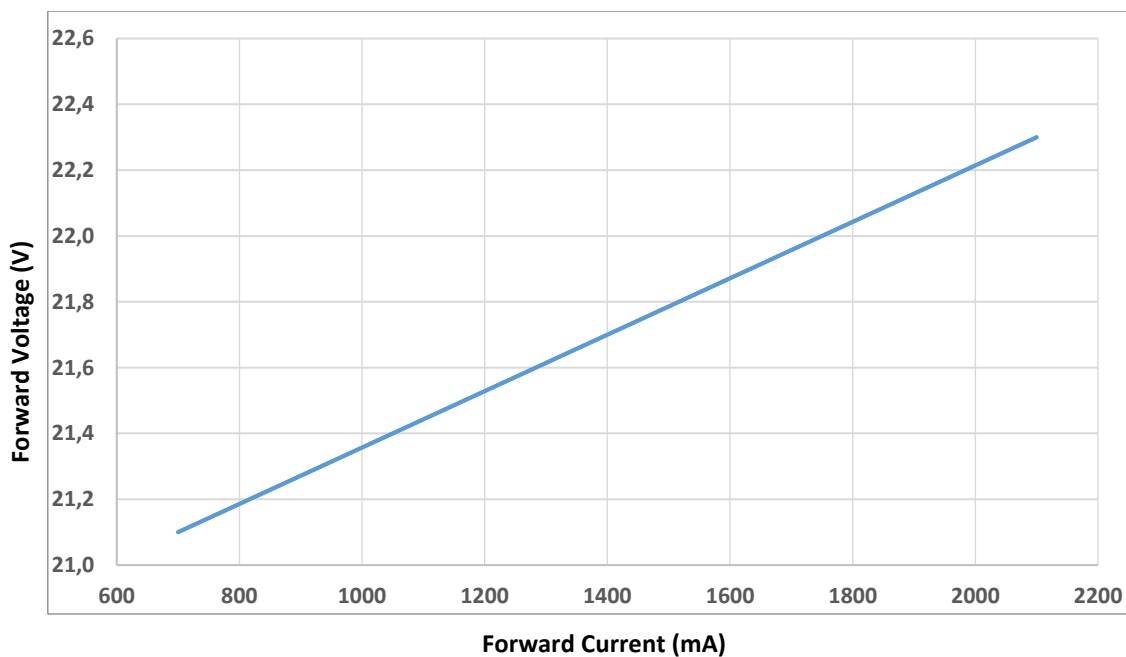
TECHNICAL INFORMATION

CCT	LED Driver Current (mA)	# LEDs	Luminous Flux (lm)	Forward Voltage (V)	LED Forward Current (mA)	TC (°C)	Power (W)	Efficacy (lm/W)
3000K	700	112	2342.7	21.1	50	75	14.8	158.3
3000K	1,400	112	4584.2	21.7	100	75	30.4	150.8
3000K	2,100	112	6725.4	22.3	150	75	46.8	143.7
3500K	700	112	2407.3	21.1	50	75	14.8	162.7
3500K	1,400	112	4715.5	21.7	100	75	30.4	155.1
3500K	2,100	112	6924.0	22.3	150	75	46.8	147.9
4000K	700	112	2454.8	21.1	50	75	14.8	165.9
4000K	1,400	112	4808.4	21.7	100	75	30.4	158.2
4000K	2,100	112	7060.6	22.3	150	75	46.8	150.9

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



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

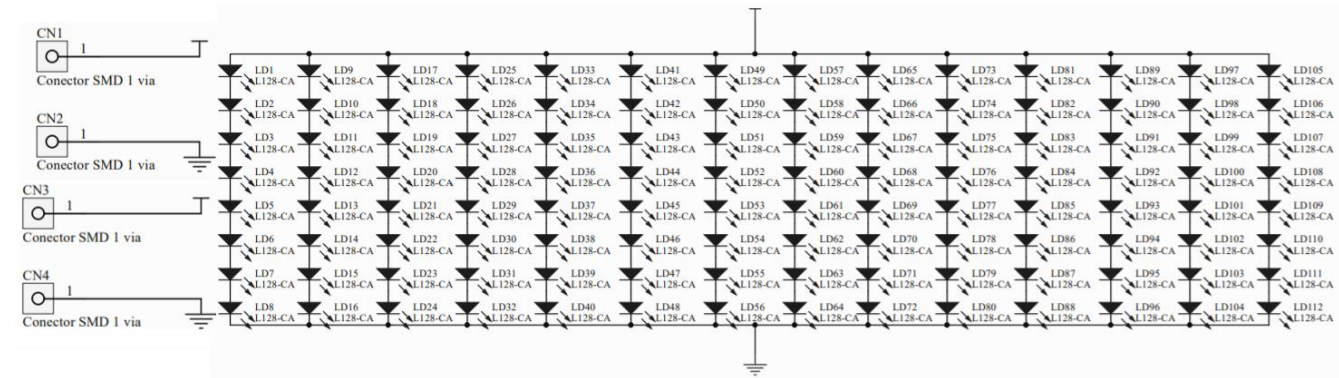


LED TYPE

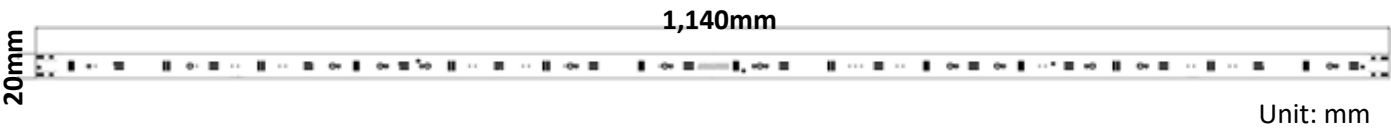
Manufacturer: Lumileds

LED Series: Luxeon 2835 HE

SCHEMATICS

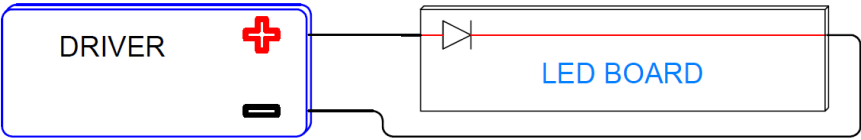


MECHANICAL DRAWING



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°