

LIGHT ENGINE 12 LEDs CSP 295 x 25mm

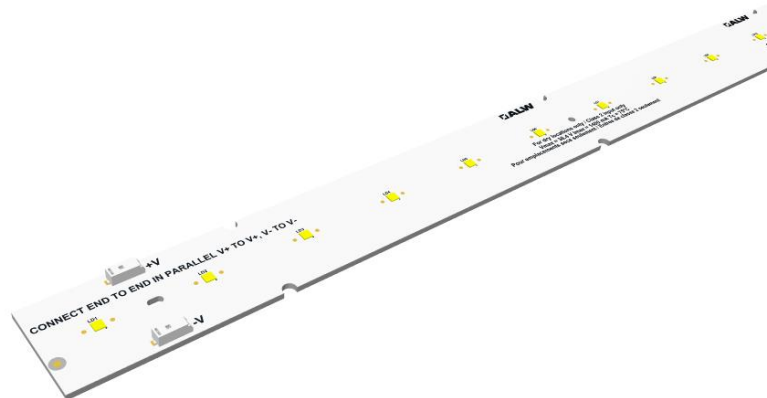
Issue Date	Jun, 2021
Issued by	Vegner, I.

Applications

- Office Linear Lighting
- Retail Linear Lighting
- Troffers

Characteristics

- Module Efficacy – up to 119 lm/W
- L70 > 50.000 hours
- CRI > 90 (Typ.92)
- CCTs 2,700K / 3,000K / 3,500K / 4,000K
- 05 years warranty



DRIVING CURRENTS

Parameter	Nominal	Max
LIGHT ENGINE 12 LEDs CSP 295 x 25mm	700 mA	1400 mA

MODULE TEMPERATURES

Parameter	Nominal	Max
Tc (case temperature at Tc point)	60 °C	85 °C

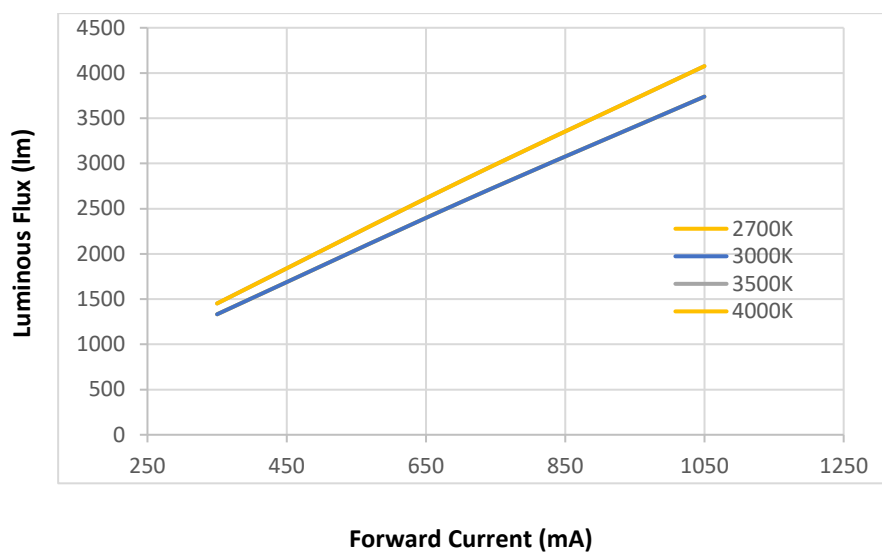
PRODUCT PART NUMBER

80330900100	80329100100	80331000100	80331100100
2,700 K	3,000 K	3,500 K	4,000 K

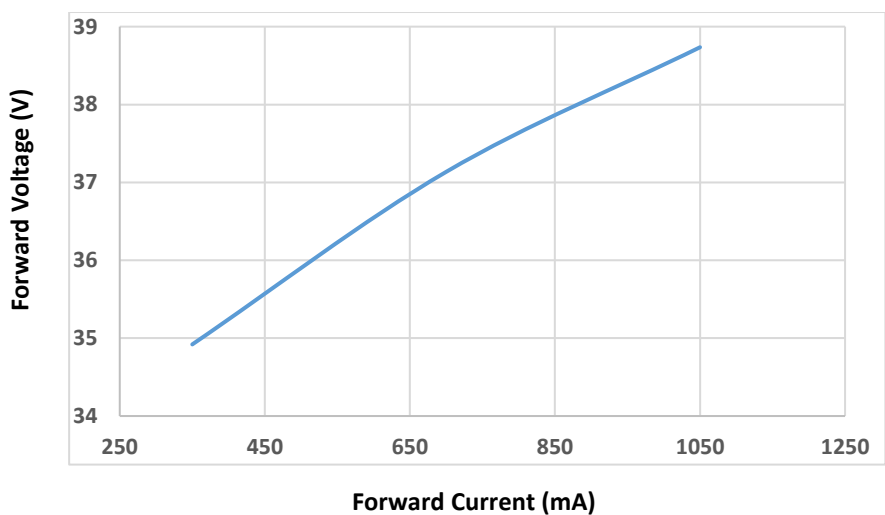
TECHNICAL INFORMATION

CCT	LED Driver Current (mA)	# LEDs	Luminous Flux (lm)	Forward Voltage (V)	LED Forward Current (mA)	TC (°C)	Power (W)	Efficacy (lm/W)
2700K	350	12	1,332	34.9	350	75	12.2	109
2700K	700	12	2,571	37.1	700	75	26.0	99
2700K	1,050	12	3,739	38.7	1,050	75	40.7	92
3000K	350	12	1,332	34.9	350	75	12.2	109
3000K	700	12	2,571	37.1	700	75	26.0	99
3000K	1,050	12	3,739	38.7	1,050	75	40.7	92
3500K	350	12	1,452	34.9	350	75	12.2	119
3500K	700	12	2,803	37.1	700	75	26.0	108
3500K	1,050	12	4,076	38.7	1,050	75	40.7	100
4000K	350	12	1,452	34.9	350	75	12.2	119
4000K	700	12	2,803	37.1	700	75	26.0	108
4000K	1,050	12	4,076	38.7	1,050	75	40.7	100

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



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

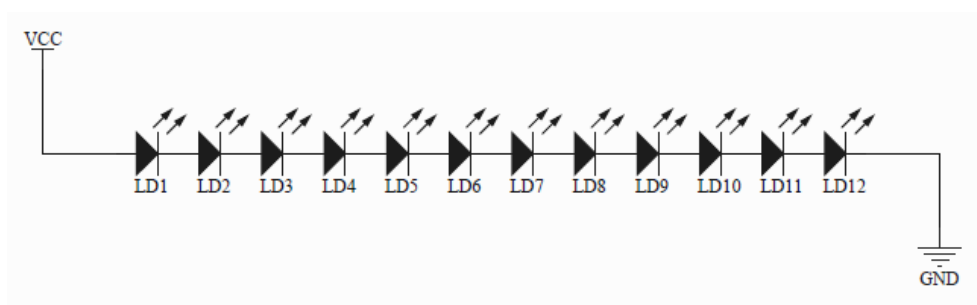


LED TYPE

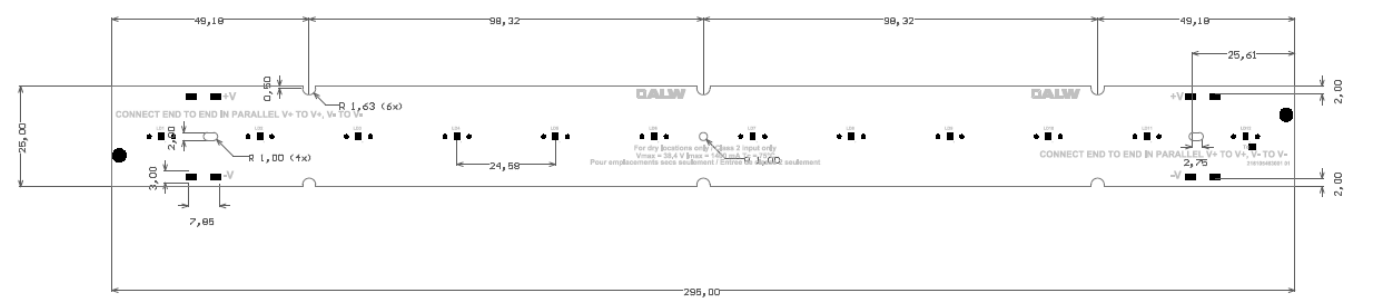
Manufacturer: Samsung

LED Series: LH181B

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