

LIGHT ENGINE 338 LEDs 13"Ø SLP DLC

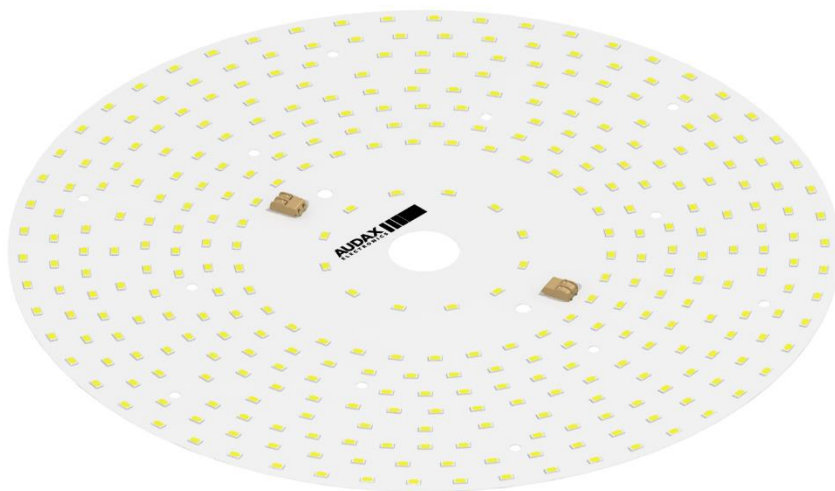
Issue Date	September, 2019
Issued by	Malassise, V.

Applications

- Industrial Lighting
- Outdoor Lighting
- Highbay
- Ex-Areas

Characteristics

- Module Efficacy – up to 178 lm/W
- L70 > 50.000 hours
- CRI > 80 (Typ.85)
- 03 SDCM
- CCTs 3,000K / 4,000K / 5,000K
- 05 years warranty



DRIVE CURRENTS

Parameter	Nominal	Max
LIGHT ENGINE 338 LEDs 13"Ø SLP DLC	1,950 mA	2,470 mA

MODULE TEMPERATURES

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

PRODUCT PART NUMBER

80XXXX	80212500100	80XXXX
3,000 K	4,000 K	5,000 K

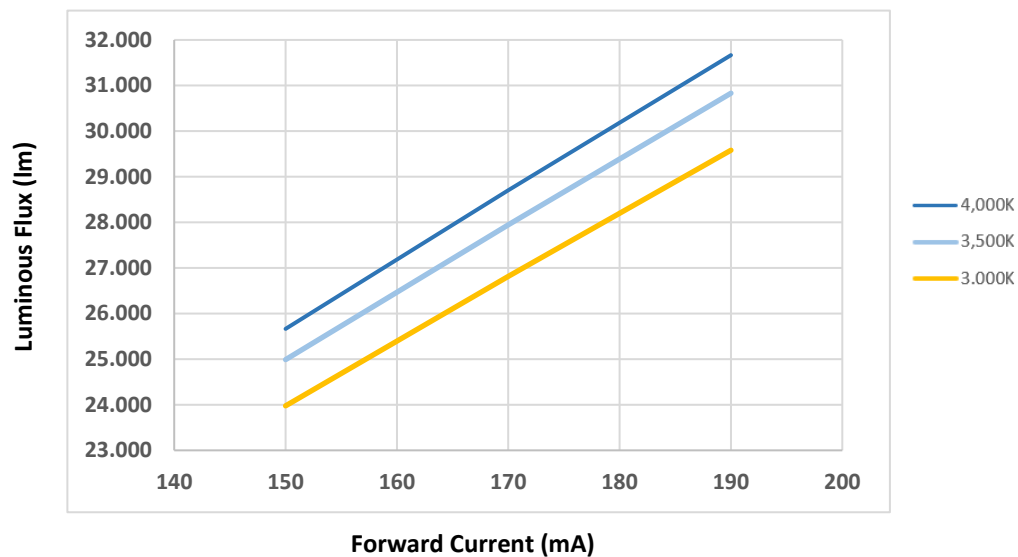
TECHNICAL INFORMATION

CCT	LED Driver Current (mA)*	# LEDs	Luminous Flux (lm)*	Forward Voltage (V)	LED Forward Current (mA)	TC (°C)	Power (W)	Efficacy (lm/W)**
3,000 K	1,950	338	23,976	36.9	150	75	144.2	166.3
3,000 K	2,210	338	26,813	37.3	170	75	165.1	162.4
3,000 K	2,470	338	29,582	37.7	190	75	186.4	158.7
4,000 K	1,950	338	24,989	36.9	150	75	144.2	173.3
4,000 K	2,210	338	27,946	37.3	170	75	165.1	169.3
4,000 K	2,470	338	30,832	37.7	190	75	186.4	165.4
5,000 K	1,950	338	25,664	36.9	150	75	144.2	178.0
5,000 K	2,210	338	28,701	37.3	170	75	165.1	173.8
5,000 K	2,470	338	31,666	37.7	190	75	186.4	169.9

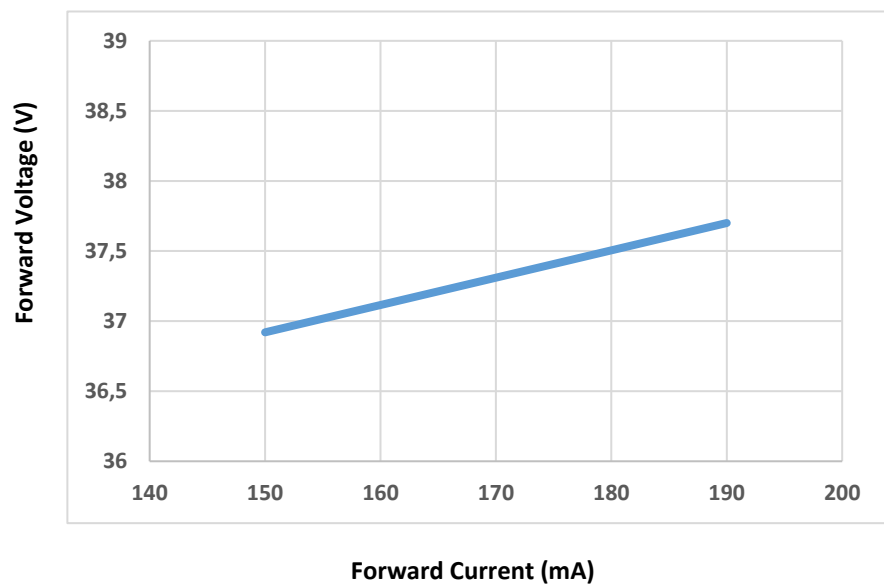
* Current levels per driver. This light engine uses 2 drivers.

** Values without optical and electrical losses.

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



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

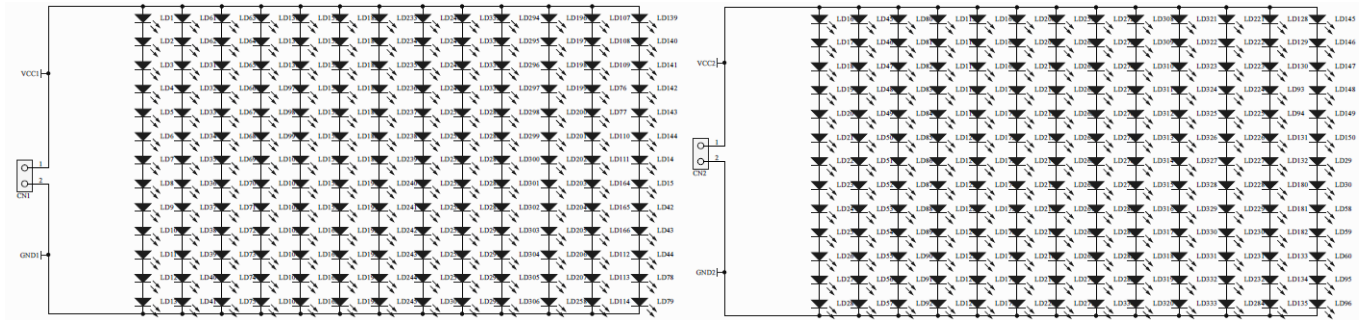


LED TYPE

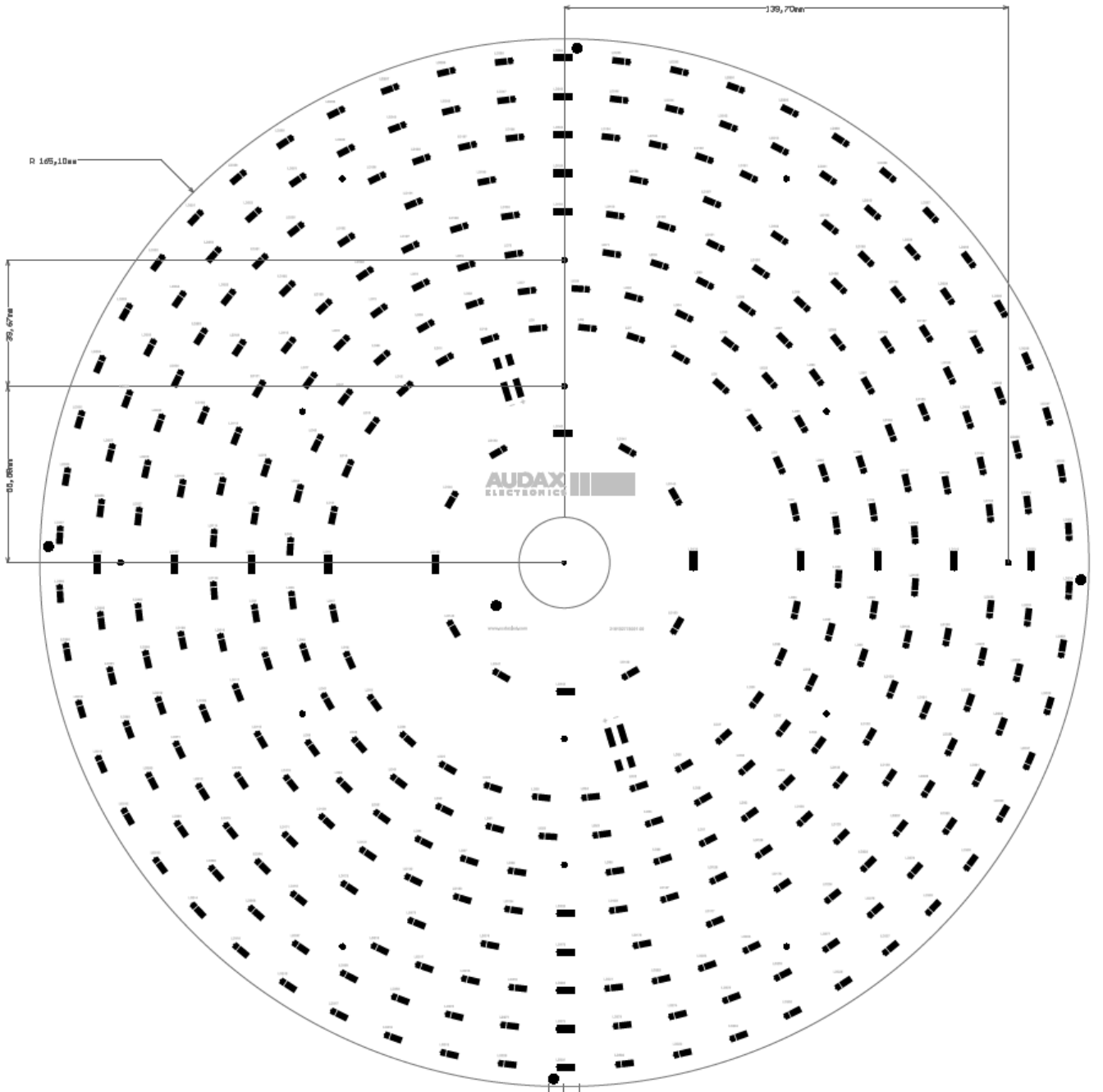
Manufacturer: Samsung

LED Series: LM561C

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

