

LIGHT ENGINE Ø22mm 01 LED

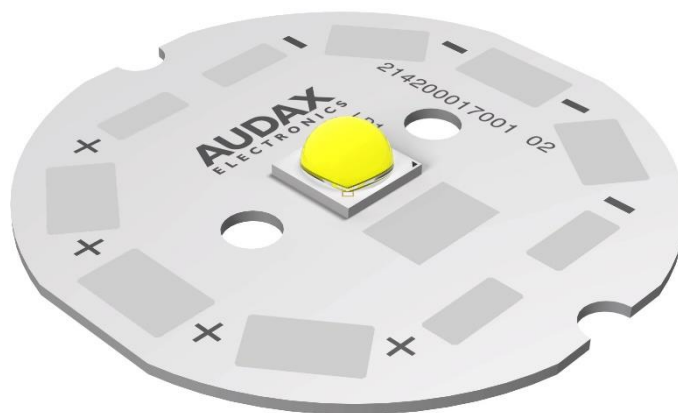
Issue Date	March 2020
Issued by	V. Malassise

Application

- Point lights
- Downlights
- Optical fiber

Characteristics

- Module Efficacy – up to 169lm/W
- L70 > 60.000 hours
- CRI > 70 (Typ.75)
- 03 SDCM
- CCTs 2,700K / 4,000K / 5,000K
- 05 years warranty



DRIVE CURRENTS

Parameter	Nominal	Max
LIGHT ENGINE Ø22mm 01 LED	700 mA	1,250 mA

MODULE TEMPERATURES

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

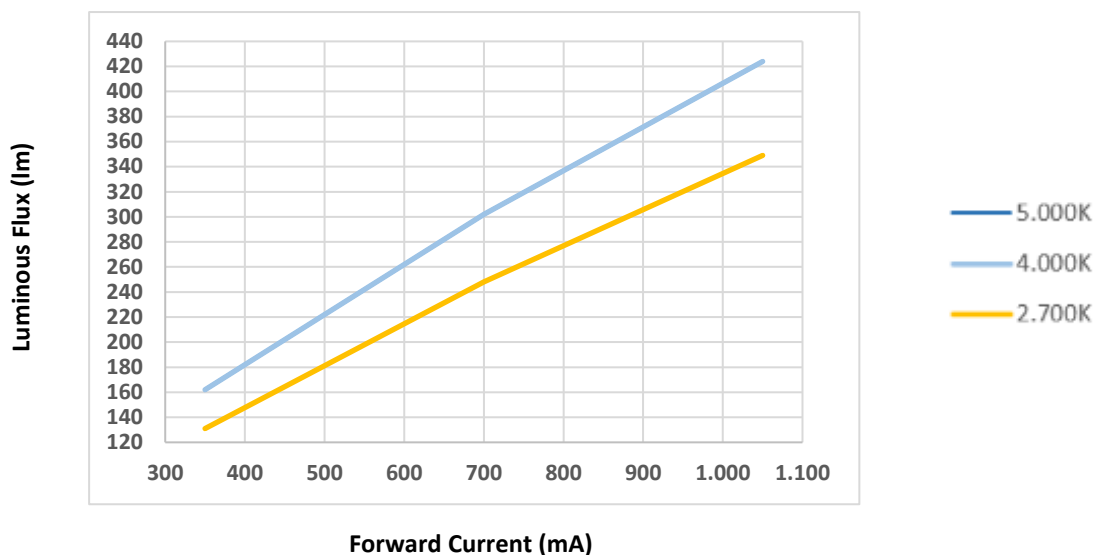
PRODUCT PART NUMBER

80071900100	80072700100	80072300100
2,700 K	4,000 K	5,000 K

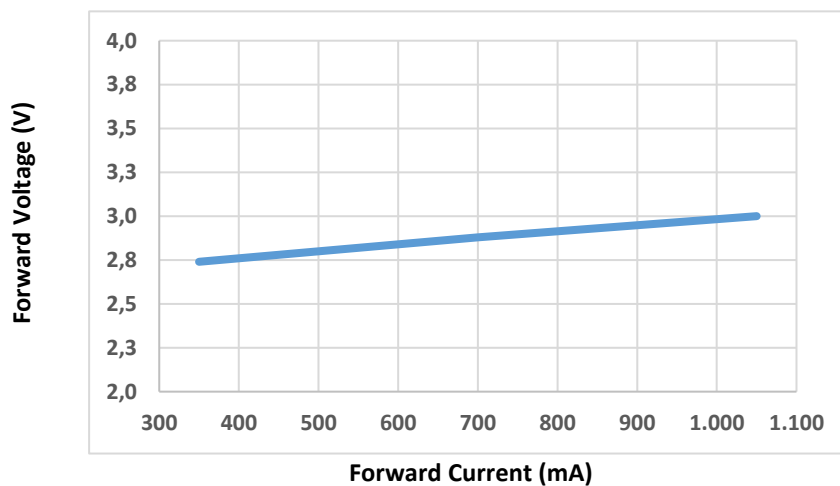
TECHNICAL INFORMATION

CCT	LED Driver Current (mA)	# LEDs	Luminous Flux (lm)	Forward Voltage (V)	LED Forward Current (mA)	TC (°C)	Power (W)	Efficacy (lm/W)
2,700 K	350	1	131	2.74	350	75	0.96	137
2,700 K	700	1	248	2.88	700	75	2.02	123
2,700 K	1,050	1	349	3.00	1,050	75	3.15	111
4,000 K	350	1	162	2.74	350	75	0.96	169
4,000 K	700	1	302	2.88	700	75	2.02	150
4,000 K	1,050	1	424	3.00	1,050	75	3.15	135
5,000 K	350	1	162	2.74	350	75	0.96	169
5,000 K	700	1	302	2.88	700	75	2.02	150
5,000 K	1,050	1	424	3.00	1,050	75	3.15	135

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



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

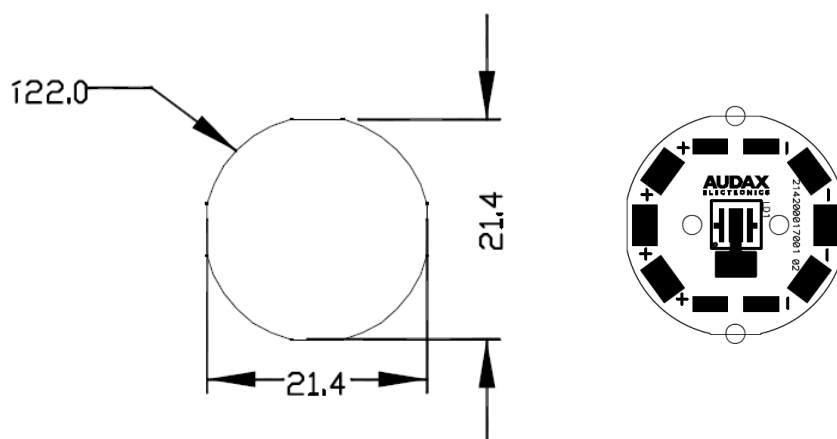


LED TYPE

Manufacturer: Nichia Corporation

LED Series: 219C

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

DRIVER FOR 1 LIGHT ENGINE: LED DRIVER 3W 700mA (EBP003C0700SS)

