

LIGHT ENGINE COB 42W 24X19MM

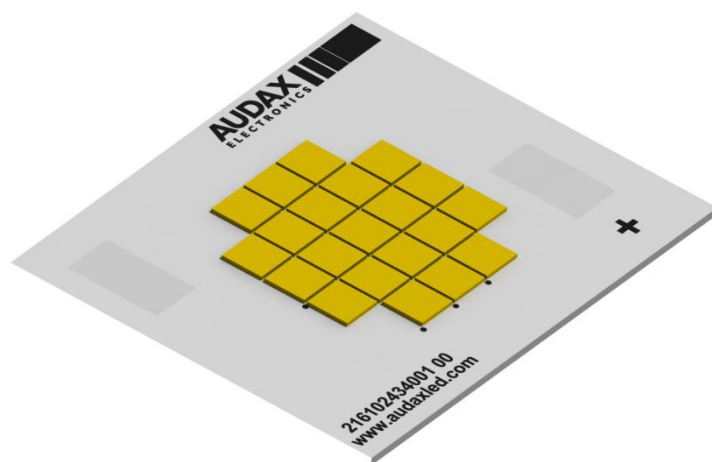
Issue Date	Aug, 2020
Issued by	Soares, D.

Applications

- Retail and Indoor
- Lighting fixtures

Characteristics

- Module Efficacy – up to 157 lm/W
- L70 > 60.000 hours
- CRI > 80
- 03 SDCM
- CCTs 2700K / 3000K / 4000K
- 05 years warranty



DRIVING CURRENTS

Parameter	Nominal	Max
DC Current Supply	700 mA	1,050 mA

MODULE TEMPERATURES

Parameter	Nominal	Max
Tc (case temperature at Tc point)	85 °C	90 °C

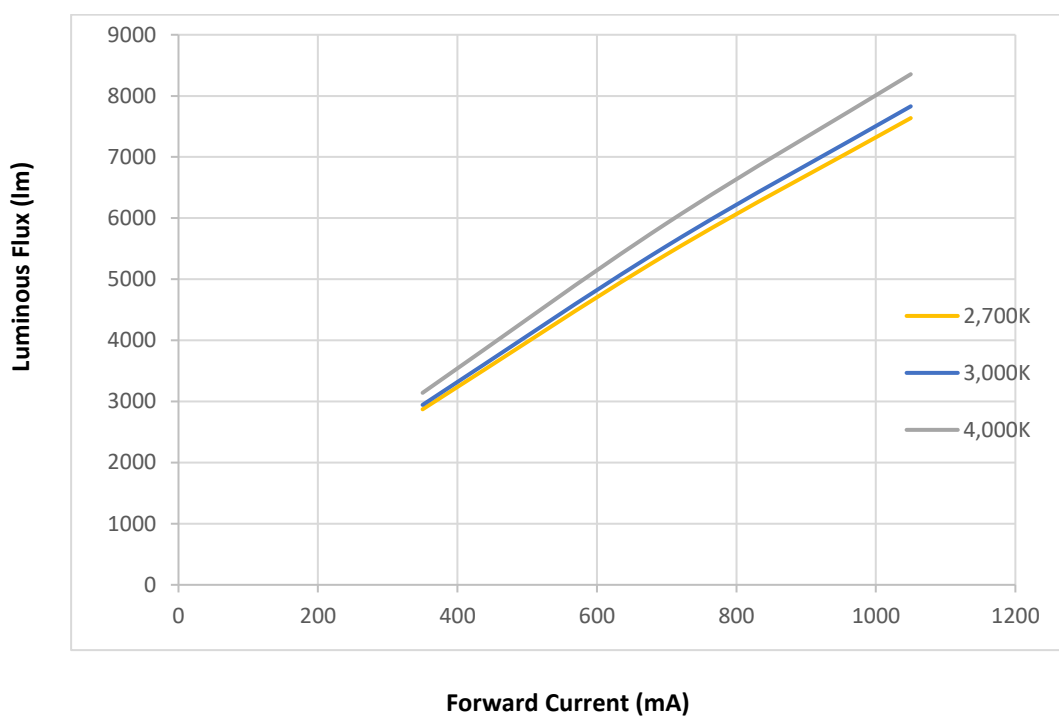
PRODUCT PART NUMBER

80164000100	80164100100	80164200100
2,700 K	3,000 K	4,000 K

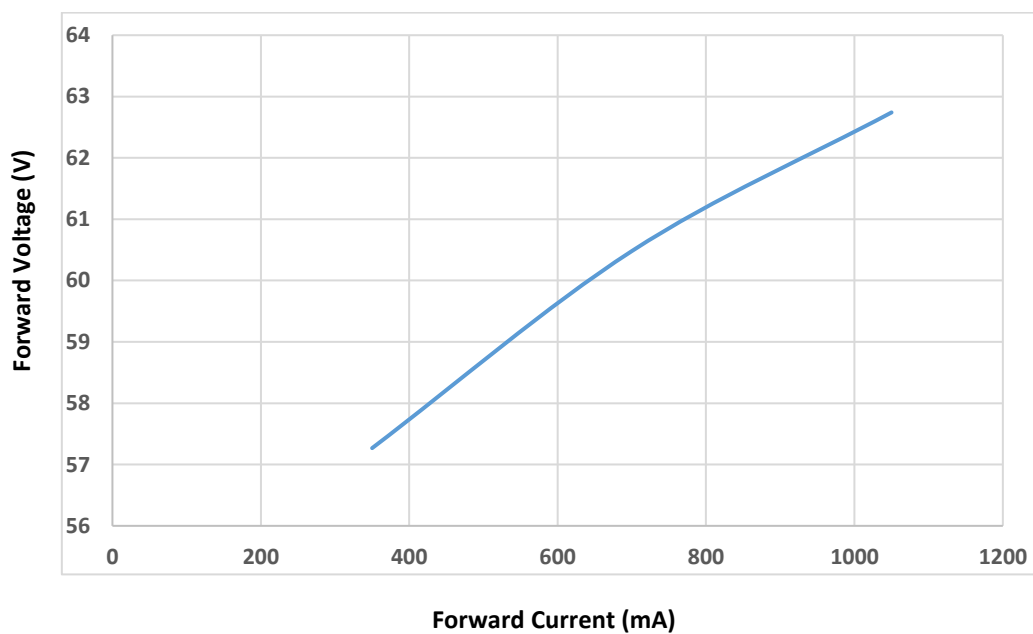
TECHNICAL INFORMATION

CCT	LED Driver Current (mA)	# LEDs	Luminous Flux (lm)	Forward Voltage (V)	LED Forward Current (mA)	TC (°C)	Power (W)	Efficacy (lm/W)
2,700K	350	21	2,872	57.3	350	85°C	20.0	143
2,700K	700	21	5,408	60.5	700	85°C	42.3	128
2,700K	1,050	21	7,637	62.7	1,050	85°C	65.9	116
3,000K	350	21	2,944	57.3	350	85°C	20.0	147
3,000K	700	21	5,544	60.5	700	85°C	42.3	131
3,000K	1,050	21	7,830	62.7	1,050	85°C	65.9	119
4,000K	350	21	3,142	57.3	350	85°C	20.0	157
4,000K	700	21	5,916	60.5	700	85°C	42.3	140
4,000K	1,050	21	8,354	62.7	1,050	85°C	65.9	127

Luminous Flux (lm) x Forward Current (mA) (TC 85°C)



Forward Voltage (V) x Forward Current (mA) (TC 85°C)

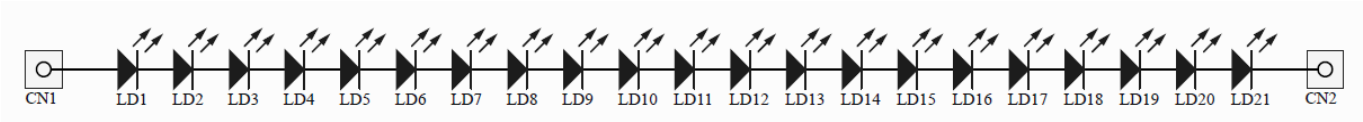


LED TYPE

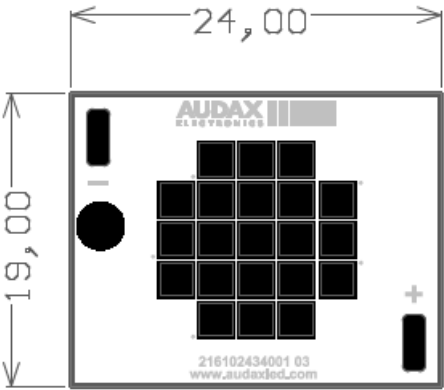
Manufacturer: NICHIA

LED Series: E21

SCHEMATICS



MECHANICAL DRAWING



Unit: mm