

LIGHT ENGINE 2X6 PREMIUM

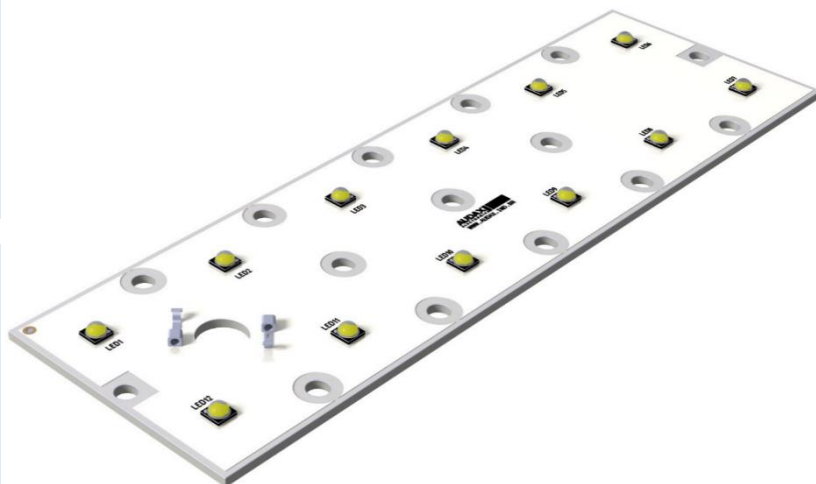
Issue Date	Jul - 2017
Issued by	Wilbur C.

Applications

- Highbay
- Street Light
- Gas station
- Projectors
- Decorative Poles

Characteristics

- Module Efficacy – up to 158 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 2X6 PREMIUM	1.050 mA	1.250 mA

MODULE TEMPERATURES

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

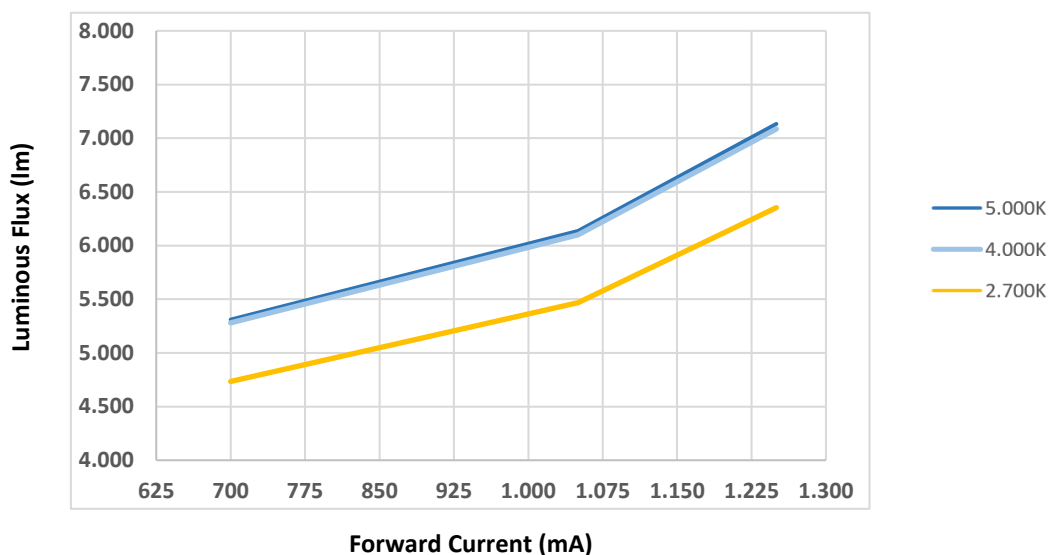
PRODUCT PART NUMBER

80087800100	80087900100	8008800100
2.700 K	4.000 K	5.000 K

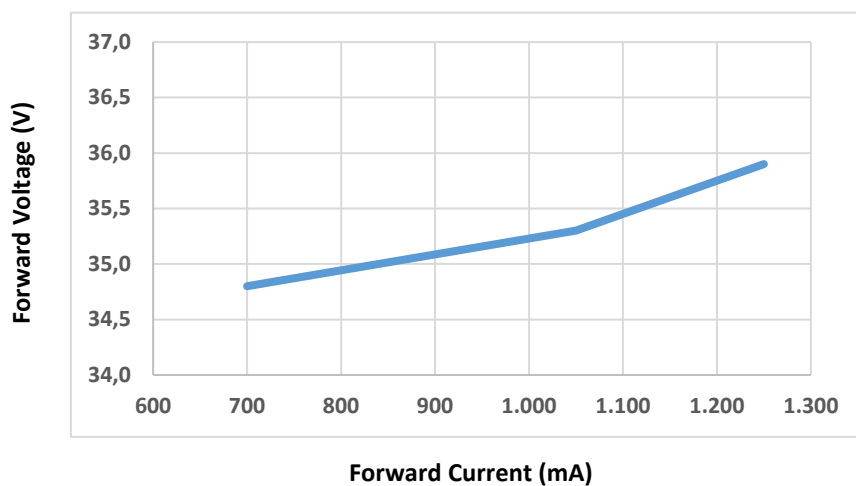
TECHNICAL INFORMATION

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	1.050	12	4.734	34,8	1.050	60	36,5	130
2.700 K	1.250	12	5.469	35,3	1.250	60	44,1	124
2.700 K	1.500	12	6.353	35,9	1.500	60	53,9	118
4.000 K	1.050	12	5.280	34,8	1.050	60	36,5	145
4.000 K	1.250	12	6.100	35,3	1.250	60	44,1	138
4.000 K	1.500	12	7.086	35,9	1.500	60	53,9	131
5.000 K	1.050	12	5.310	34,8	1.050	60	36,5	145
5.000 K	1.250	12	6.137	35,3	1.250	60	44,1	139
5.000 K	1.500	12	7.133	35,9	1.500	60	53,9	132

Luminous Flux (lm) x Forward Current (mA) (TC 60°C)



Forward Voltage (V) x Forward Current (mA) (TC 60°C)

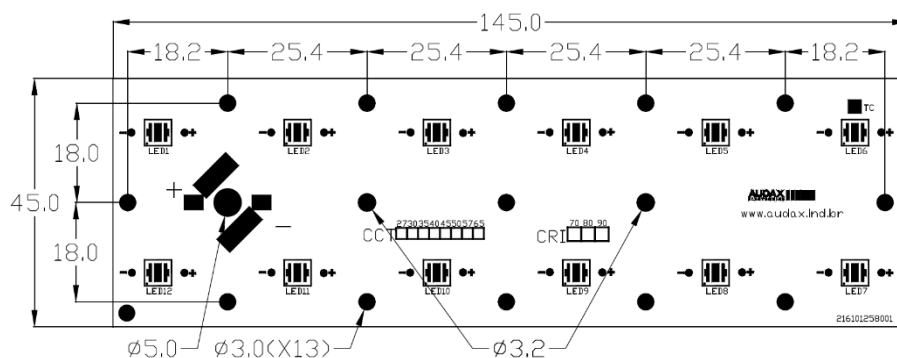


LED TYPE

Manufacturer: Nichia Corporation

LED Series: 319

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