

LIGHT ENGINE 2X2 MX FIT

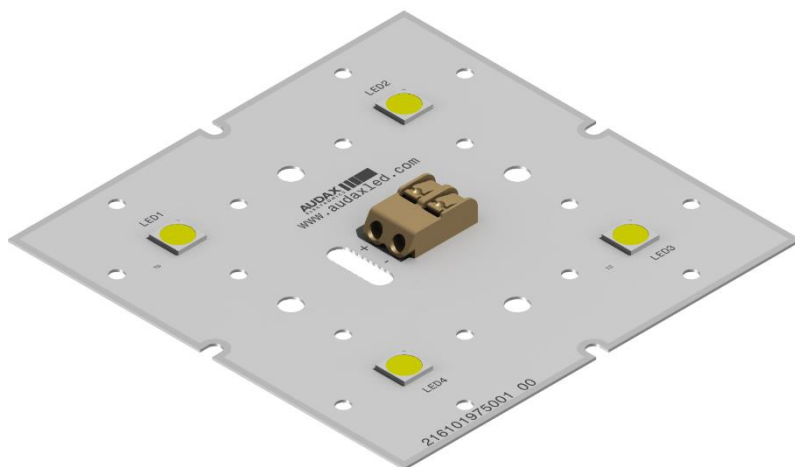
Issue Date	Jul - 2017
Issued by	Wilbur C.

Applications

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

Characteristics

- Module Efficacy – up to 154 lm/W
- L70 > 50.000 hours
- CRI > 80 (Typ.85)
- 03 SDCM
- CCTs 2,700K / 4,000K / 5,000K
- 05 years warranty



Zhaga

DRIVE CURRENTS

Parameter	Nominal	Max
Light Engine 2X2 MX PLUS	700 mA	800 mA

MODULE TEMPERATURES

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

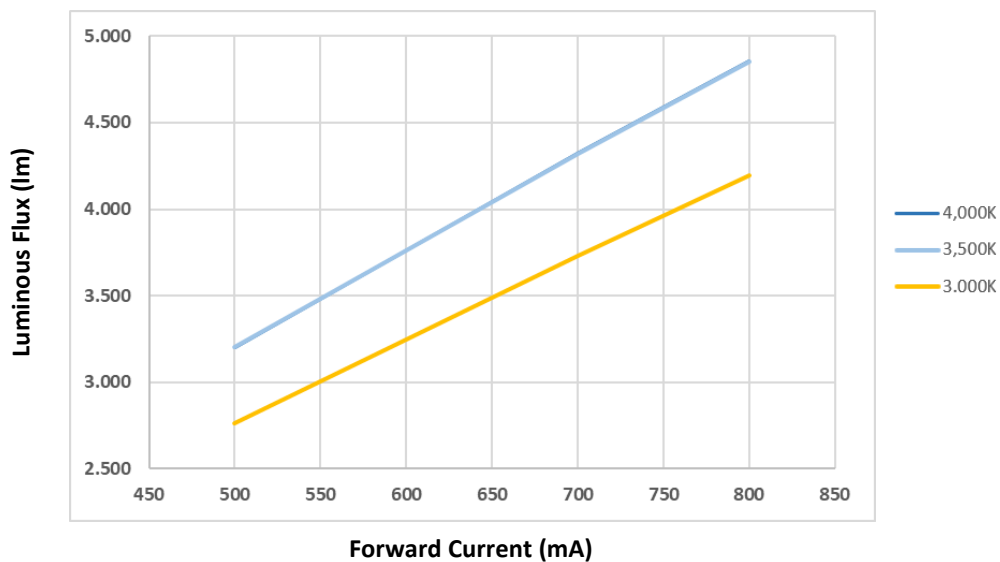
PRODUCT PART NUMBER

80160300100	80160400100	80160500100
2,700 K	4,000 K	5,000 K

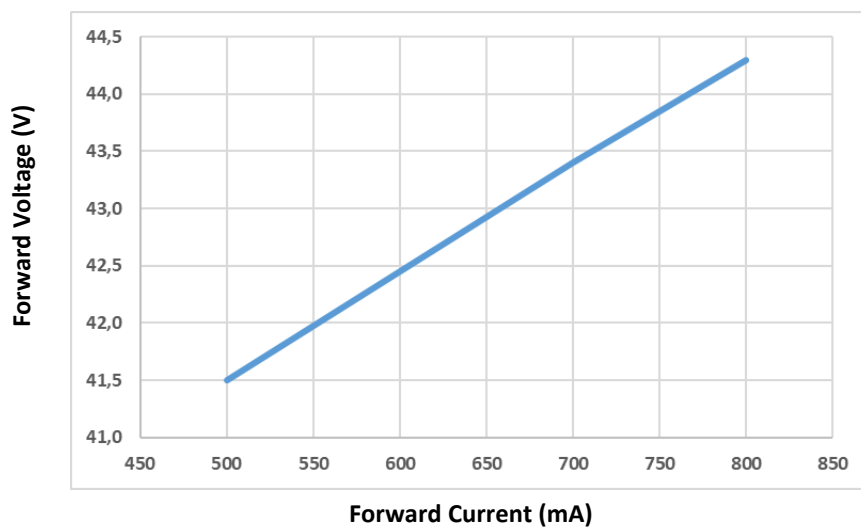
TECHNICAL INFORMATION

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	500	4	2,765	41.5	125	75	20.7	133
2,700 K	800	4	3,733	43.4	175	75	30.4	123
2,700 K	900	4	4,193	44.3	200	75	35.4	118
4,000 K	500	4	3,202	41.5	125	75	20.7	154
4,000 K	800	4	4,322	43.4	175	75	30.4	142
4,000 K	900	4	4,855	44.3	200	75	35.4	154
5,000 K	500	4	3,202	41.5	125	75	20.7	142
5,000 K	800	4	4,322	43.4	175	75	30.4	137
5,000 K	900	4	4,855	44.3	200	75	35.4	154

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



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

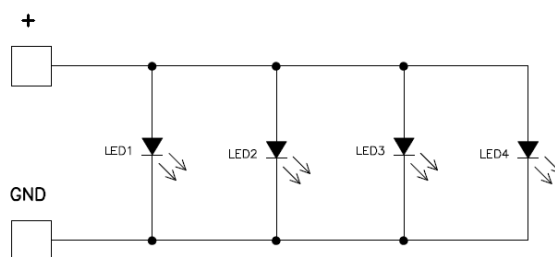


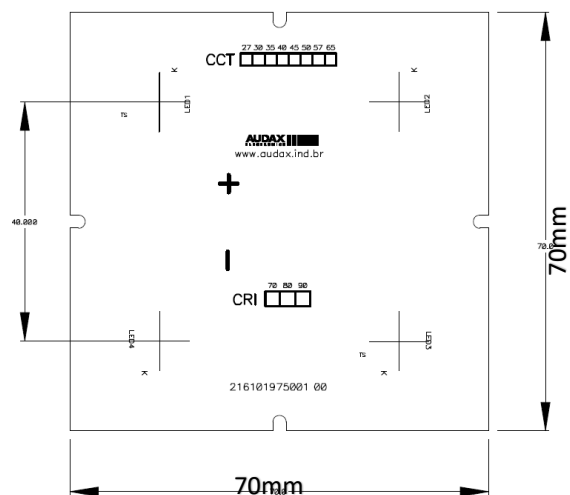
LED TYPE

Manufacturer: Nichia Corporation

LED Series: 488

SCHEMATICS





WIRING

Unit: mm

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