

LIGHT ENGINE 2X2 MX

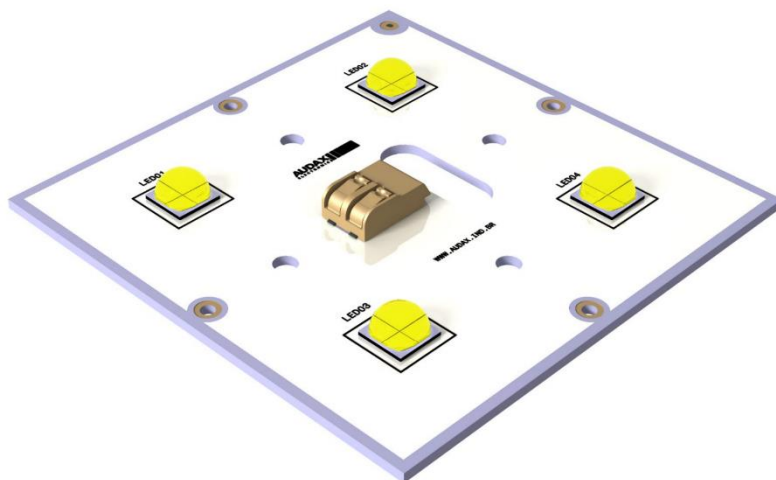
Issue Date	March, 2019
Issued by	Malassise, V.

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 2.700K / 4.000K / 5.000K
- 05 years warranty



DRIVE CURRENTS

Parameter	Nominal	Max
Light Engine 2X2 MX	700 mA	1050 mA

MODULE TEMPERATURES

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

PRODUCT PART NUMBER

80088600100	80088700100	80088800100
2.700 K	4.000 K	5.000 K

TECHNICAL INFORMATION

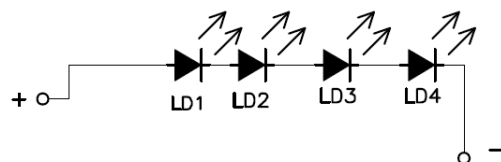
CCT	LED Driver Current (mA)	# LEDs	Luminous Flux (lm)*	Forward Voltage (V)	LED Forward Current (mA)	TC (°C)	Power (W)	Efficacy (lm/W)*
2.700 K	700	4	4.275	45,7	700	60	32	134
4.000 K	1.050	4	6.032	47,2	1.050	60	49	123
5.000 K	700	4	4.640	45,7	700	60	32	145
2.700 K	1.050	4	6.547	47,2	1.050	60	49	134
4.000 K	700	4	4.739	45,7	700	60	32	148
5.000 K	1.050	4	6.840	47,2	1.050	60	49	140

LED TYPE

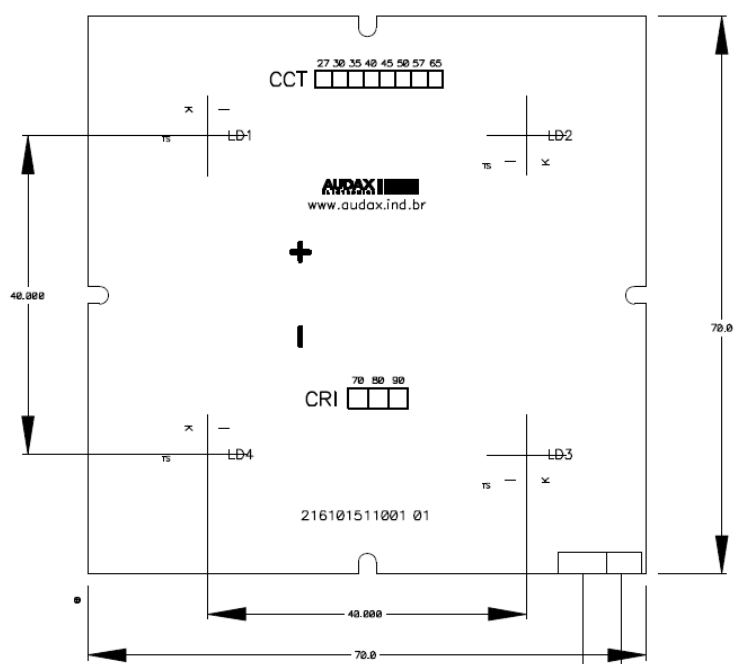
Manufacturer: Nichia Corporation

LED Series: 144

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