

LIGHT ENGINE 2X8 FIT 481

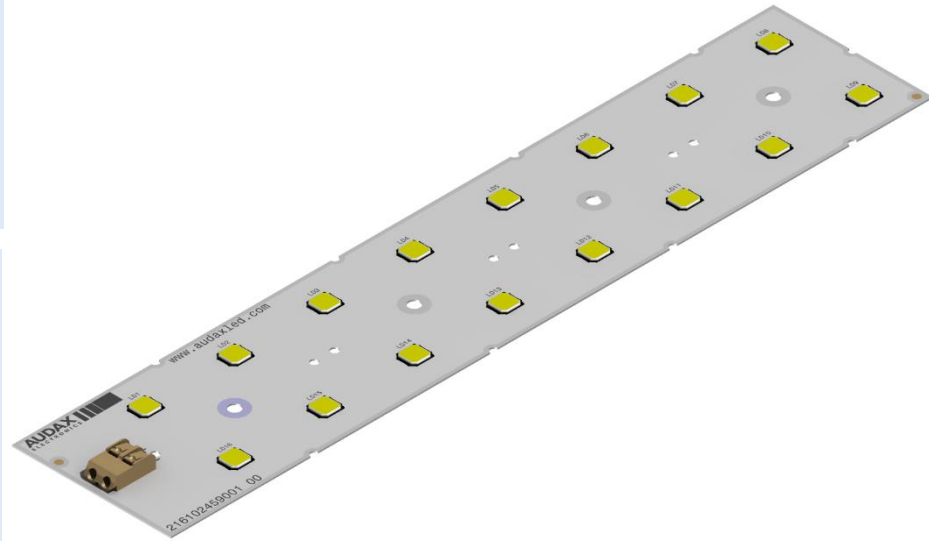
Issue Date	March, 2019
Issued by	Malassise, V.

Applications

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

Characteristics

- Module Efficacy – up to 148 lm/W
- L70 > 50.000 hours
- CRI > 70 (Typ.85)
- 03 SDCM
- CCTs 3.000K / 4.000K / 5.000K
- 05 years warranty



DRIVE CURRENTS

Parameter	Nominal	Max
Light Engine 2X8 FIT 481	2,800 mA	3,200 mA

MODULE TEMPERATURES

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

PRODUCT PART NUMBER

80171700100	80171800100	80171900100
2.700 K	4.000 K	5.000 K

TECHNICAL INFORMATION

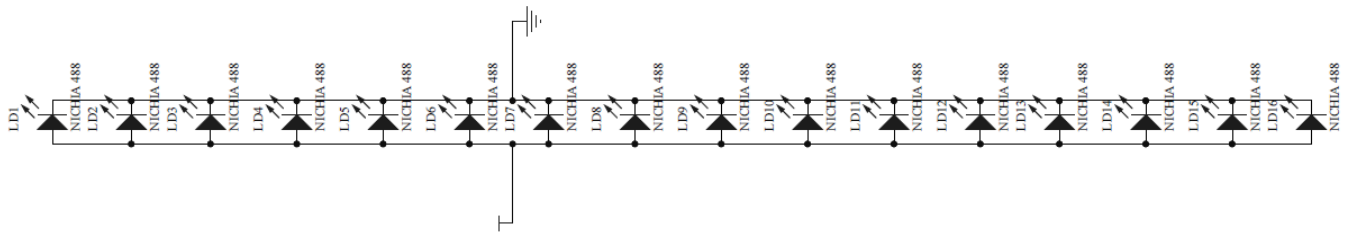
CCT	LED Driver Current (mA)	# LEDs	Luminous Flux (lm)*	Forward Voltage (V)	LED Forward Current (mA)	TC (°C)	Power (W)	Efficacy (lm/W)*
2.700 K	2,800	16	7,423	21.3	175	60	59.5	125
4.000 K	2,800	16	8,831	21.3	175	60	59.5	148
5.000 K	2,800	16	8,831	21.3	175	60	59.5	148

LED TYPE

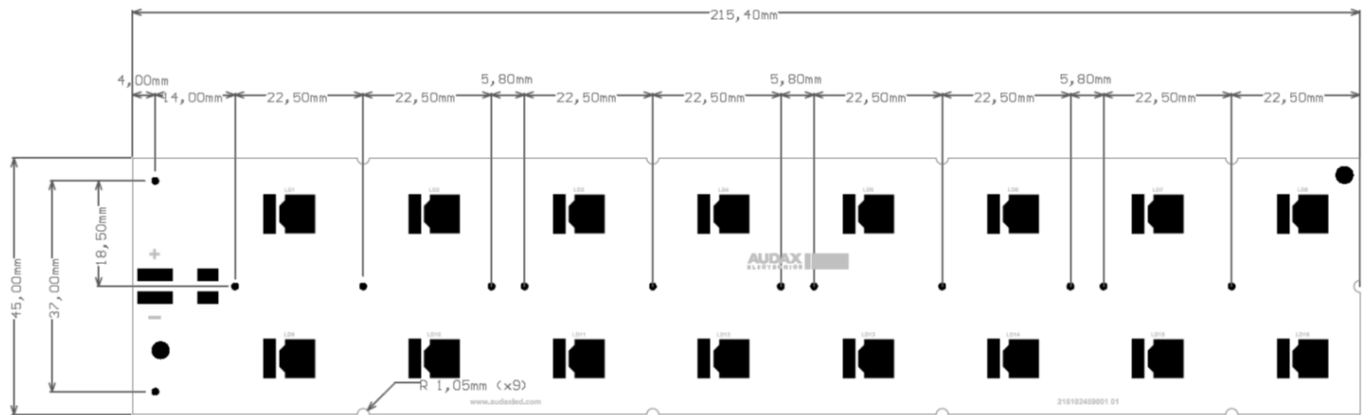
Manufacturer: NICHIA

LED Series: 48X

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