

LIGHT ENGINE IP-8

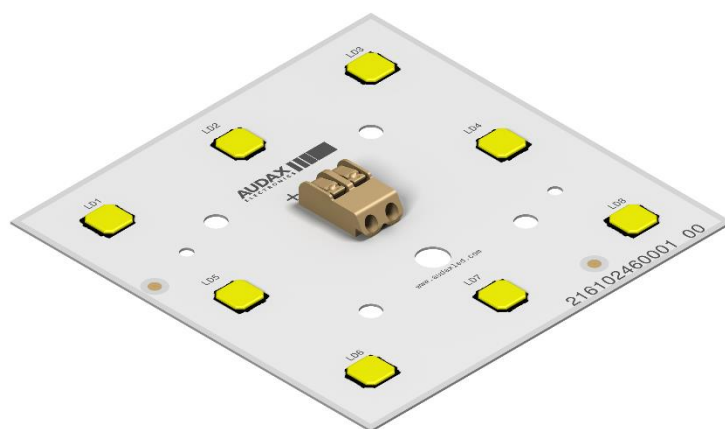
Issue Date	Feb - 2019
Issued by	Bitencourt E.

Applications

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

Characteristics

- Module Efficacy – up to 140 lm/W
- L70 > 60.000 hours
- CRI > 70
- 03 SDCM
- CCTs 2.700K / 4.000K / 5.000K
- 05 years warranty



DRIVE CURRENTS

Parameter	Nominal	Max
Light Engine IP-8	700 mA	1050 mA

MODULE TEMPERATURES

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

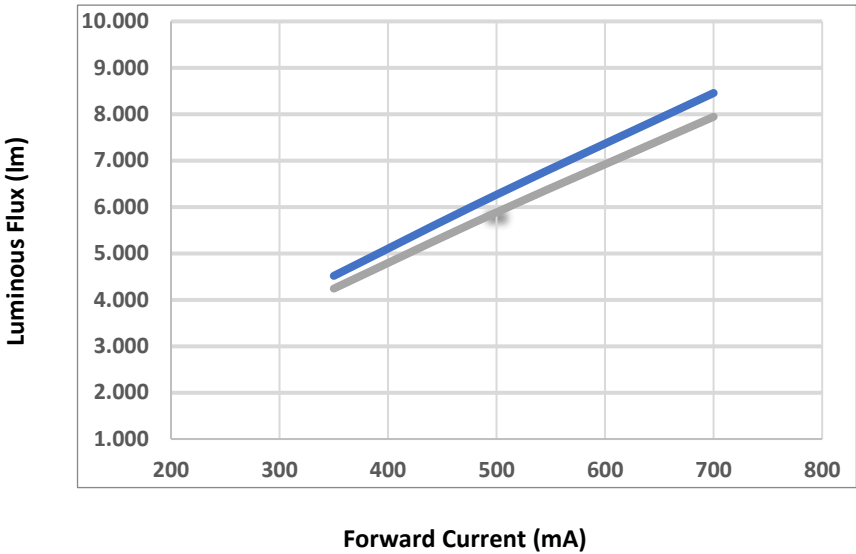
PRODUCT PART NUMBER

80172300100	80172400100	80172500100
2.700 K	4.000 K	5.000 K

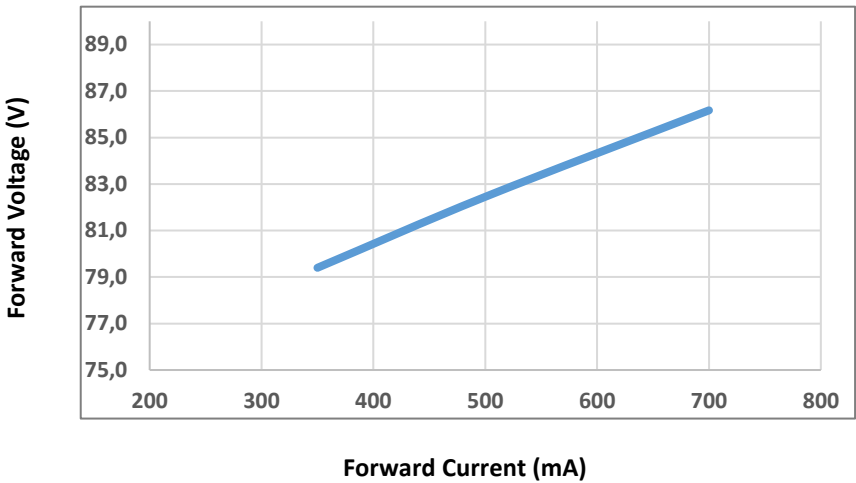
TECHNICAL INFORMATION

CCT	LED Driver Current (mA)	# LEDs	Luminous Flux (lm)	Forward Voltage (V)	LED Forward Current (mA)	TC (°C)	Power (W)	Efficacy (lm/W)
2,700K	350	8	4.242	79,4	87,5	75	27,8	153
2,700K	500	8	5.886	82,5	125	75	41,2	143
2,700K	700	8	7.945	86,2	175	75	60,3	132
4,000K	350	8	4.516	79,4	87,5	75	27,8	163
4,000K	500	8	6.266	82,5	125	75	41,2	152
4,000K	700	8	8.457	86,2	175	75	60,3	140
5,000K	350	8	4.516	79,4	87,5	75	27,8	163
5,000K	500	8	6.266	82,5	125	75	41,2	152
5,000K	700	8	8.457	86,2	175	75	60,3	140

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



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

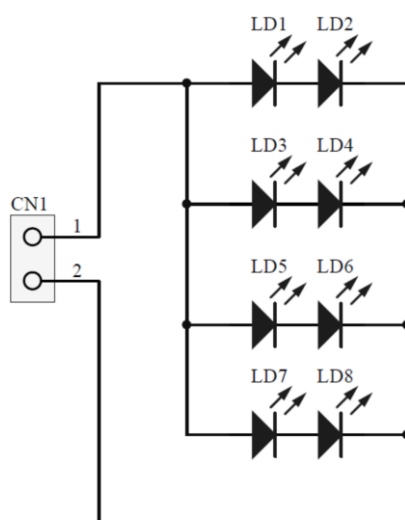


LED TYPE

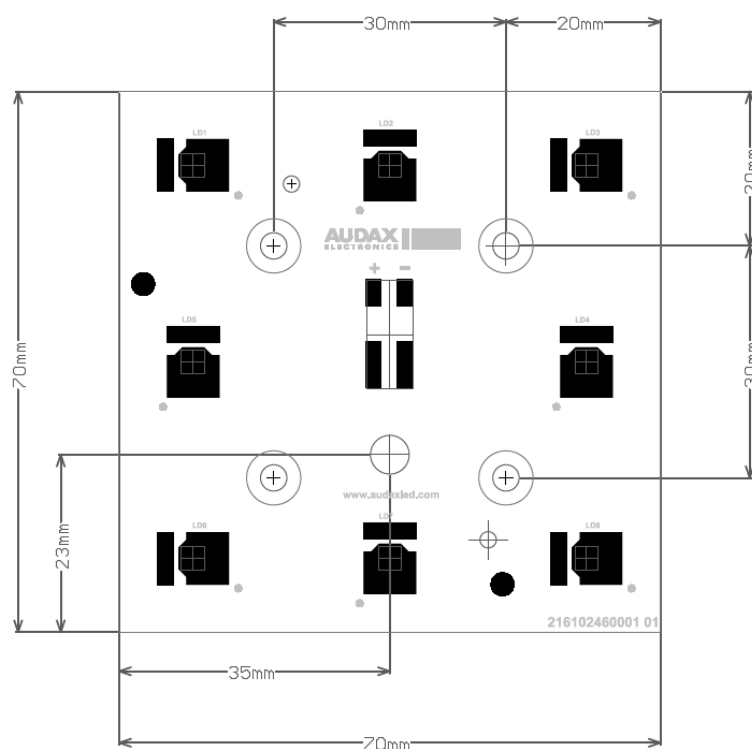
Manufacturer: Nichia Corporation

LED Series: NFMW488

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