

LIGHT ENGINE Ø28mm 01 LED 488

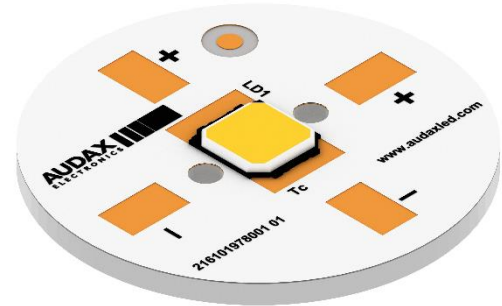
Issue Date	May. 2021
Issued by	Vegner, I.

Application

- Point lights
- Downlights
- Optical fiber

Characteristics

- Module Efficacy – up to 183lm/W
- L70 > 60.000 hours
- CRI > 70 (Typ.75)
- 03 SDCM
- CCTs 2,700K / 4,000K / 5,000K
- 05 years warranty



DRIVER CURRENTS

Parameter	Nominal	Max
LIGHT ENGINE Ø28mm 01 LED 488	200 mA	250 mA

MODULE TEMPERATURES

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

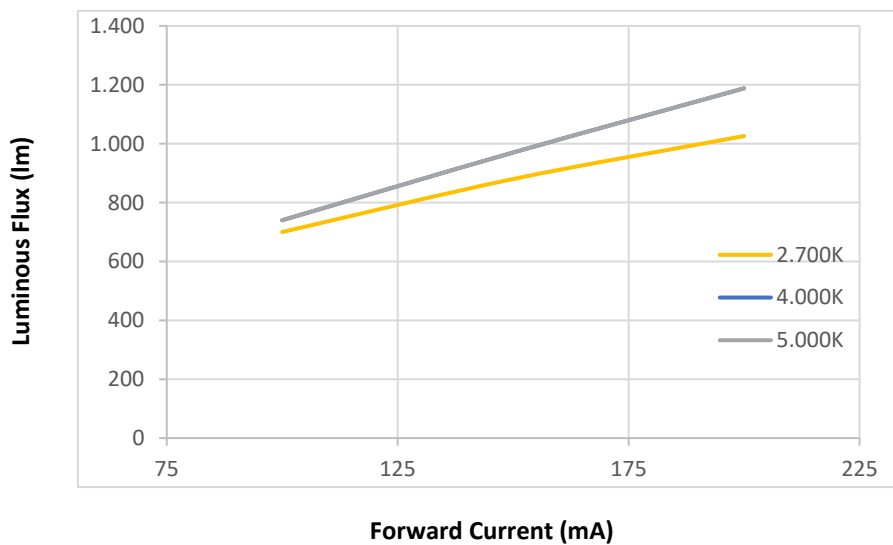
PRODUCT PART NUMBER

801666000100	80166100100	80166200100
2,700 K	4,000 K	5,000 K

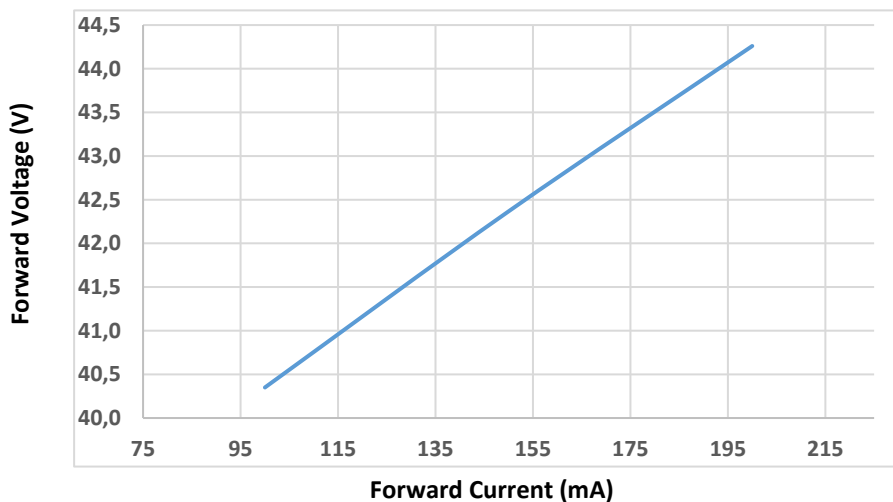
TECHNICAL INFORMATION

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	100	1	700	40.4	100	75	4.0	173
2,700K	150	1	880	42.4	150	75	6.4	138
2,700K	200	1	1,026	44.3	200	75	8.9	116
4,000K	100	1	740	40.4	100	75	4.0	183
4,000K	150	1	970	42.4	150	75	6.4	153
4,000K	200	1	1,188	44.3	200	75	8.9	134
5,000K	100	1	740	40.4	100	75	4.0	183
5,000K	150	1	970	42.4	150	75	6.4	153
5,000K	200	1	1,188	44.3	200	75	8.9	134

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



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

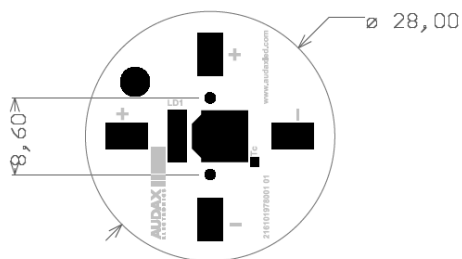


LED TYPE

Manufacturer: Nichia Corporation

LED Series: NFMW488ART

MECHANICAL DRAWING



Unit: mm

WIRING

Specification item	Value	Unit	Condition
Input wire cross- section	0.25...0.75	mm ²	Solid wire
	18...24	AWG	
Input wire strip length	7.5...8.5	mm	Solid wire
Input wire cross-section	0.33...0.5	mm ²	Stranded wire
	20...22	AWG	
Input wire strip length	7.5...8.5	mm	Stranded wire