

LIGHT ENGINE Ø120mm 4.800lm (MCPCB)

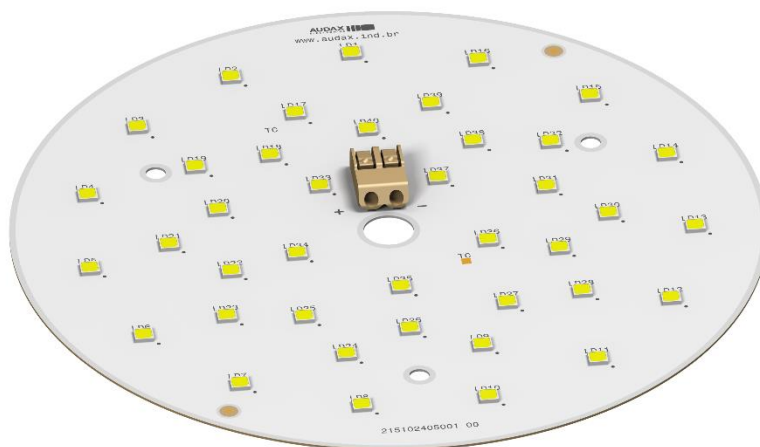
Issue Date	May – 2018
Issued by	Thiago S.

Application

- Point lights
- Downlights
- Optical fiber

Characteristics

- Module Efficacy – up to 144 lm/W
- L70 > 60.000 hours
- CRI > 80 (Typ.85)
- 03 SDCM
- CCTs 3.000K / 4.000K / 5.000K
- 05 years warranty



DRIVE CURRENTS

Parameter	Nominal	Max
Light Engine Round Fit	700 mA	700 mA

MODULE TEMPERATURES

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

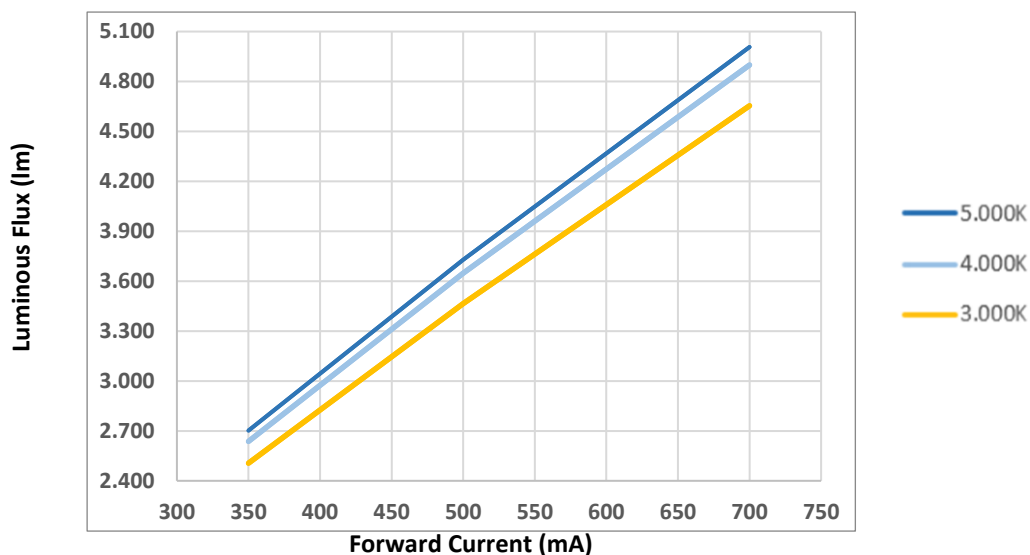
PRODUCT PART NUMBER

80151500100	80151600100	80151700100
3.000 K	4.000 K	5.000 K

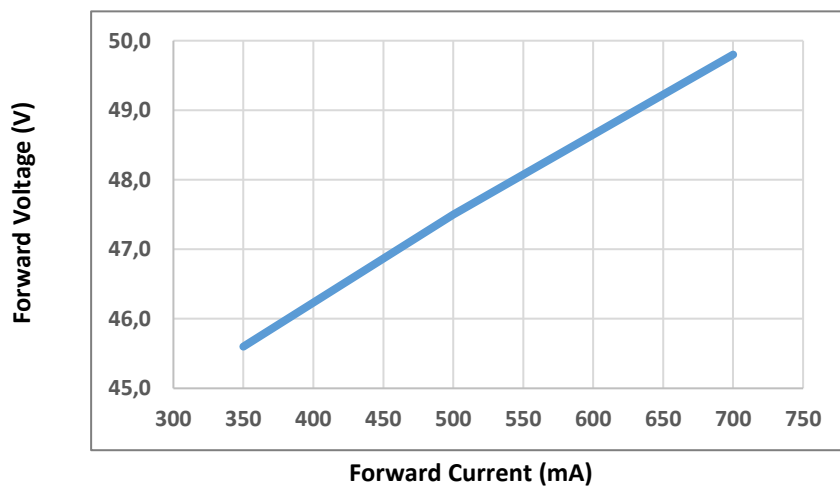
TECHNICAL INFORMATION

CCT	LED Driver Current (mA)	# LEDs	Luminous Flux (lm)	Forward Voltage (V)	LED Forward Current (mA)	TC (°C)	Power (W)	Efficacy (lm/W)
3.000 K	350	40	2,506	45.6	70	75	16	157
3.000 K	500	40	3,464	47.5	100	75	23.8	146
3.000 K	700	40	4,654	49.8	140	75	34.9	133
4.000 K	350	40	2,637	45.6	70	75	16	165
4.000 K	500	40	3,647	47.5	100	75	23.8	153
4.000 K	700	40	4,899	49.8	140	75	34.9	140
5.000 K	350	40	2,702	45.6	70	75	16	169
5.000 K	500	40	3,729	47.5	100	75	23.8	157
5.000 K	700	40	5,007	49.8	140	75	34.9	144

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



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

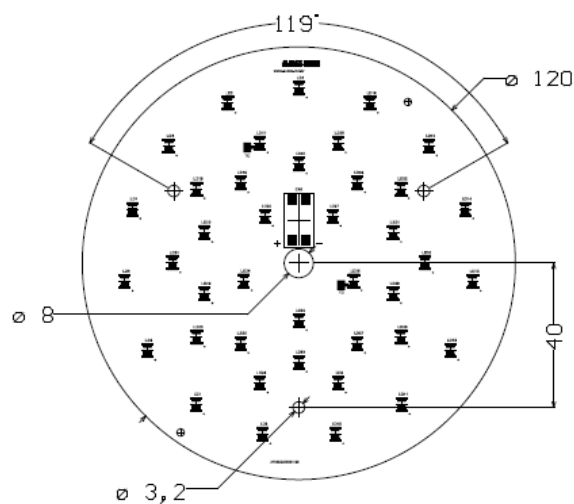


LED TYPE

Manufacturer: Nichia Corporation

LED Series: 757

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

DRIVER FOR 1 LIGHT ENGINES: LED DRIVER 40W 220-240VAC ([EIP040C0700L1](#))

