

LIGHT ENGINE Ø120mm 2.400lm

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

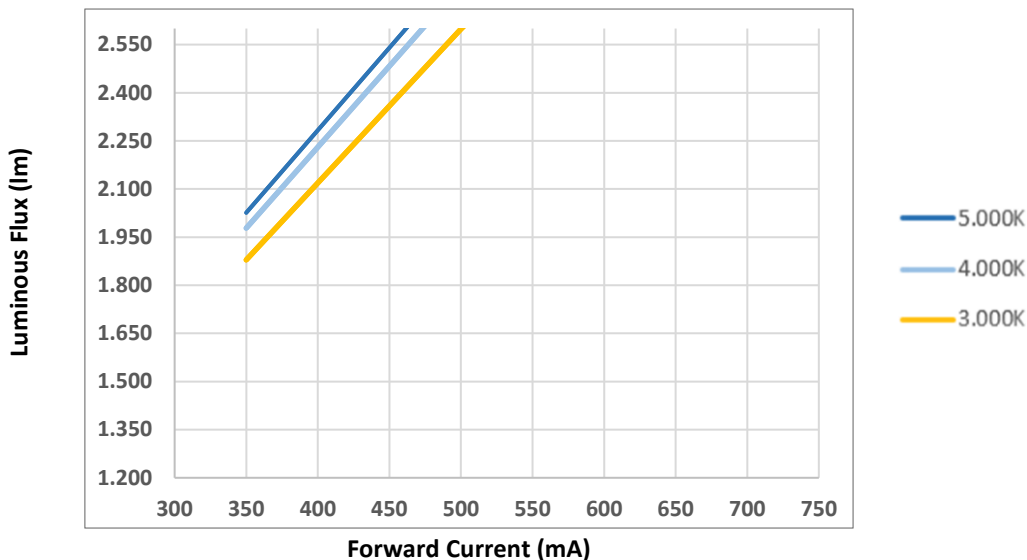
PRODUCT PART NUMBER

80047200100	80047300100	80047400100
3.000 K	4.000 K	5.000 K

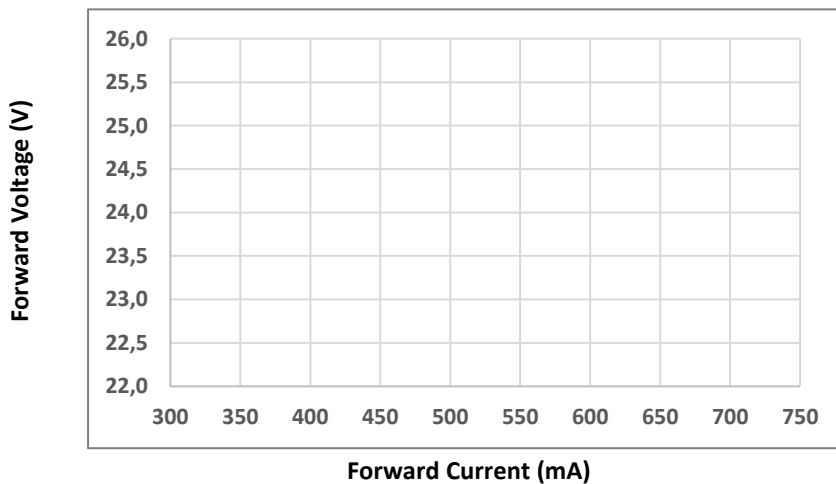
TECHNICAL INFORMATION

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	20	1,253	22.8	70	75	8	157
3.000 K	500	20	1,732	23.8	100	75	11.9	146
3.000 K	700	20	2,327	24.9	140	75	17.4	133
4.000 K	350	20	1,319	22.8	70	75	8	165
4.000 K	500	20	1,823	23.8	100	75	11.9	153
4.000 K	700	20	2,449	24.9	140	75	17.4	140
5.000 K	350	20	1,350	22.8	70	75	8	169
5.000 K	500	20	1,865	23.8	100	75	11.9	157
5.000 K	700	20	2,504	24.9	140	75	17.4	144

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



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

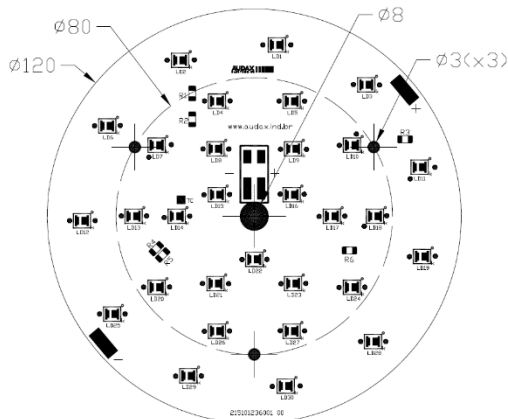


LED TYPE

Manufacturer: Nichia Corporation

LED Series: 757

MECHANICAL DRAWING



Unit: mm

WIRING

Specification item	Value	Unit	Condition
Input wire cross- section	0.25...0.75	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

DRIVER FOR 1 LIGHT ENGINES: LED DRIVER 21W 220-240VAC (EIP021C0700L2)

