

## LIGHT ENGINE Ø120mm 3.600lm

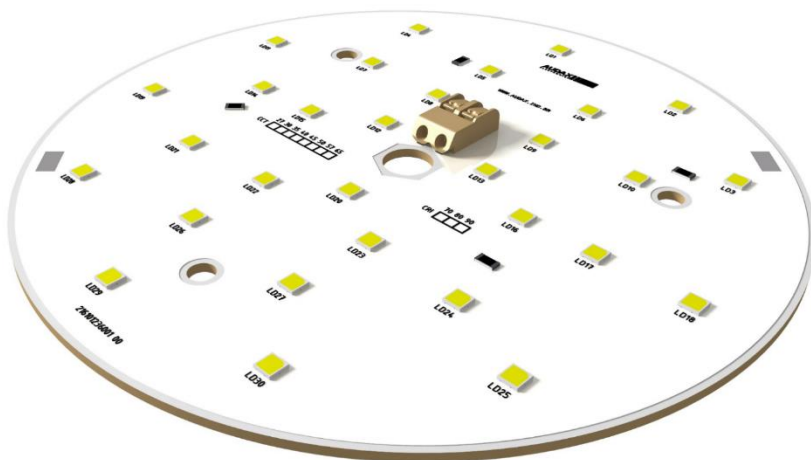
|            |            |
|------------|------------|
| Issue Date | May – 2018 |
| Issued by  | Thiago S.  |

### 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 |

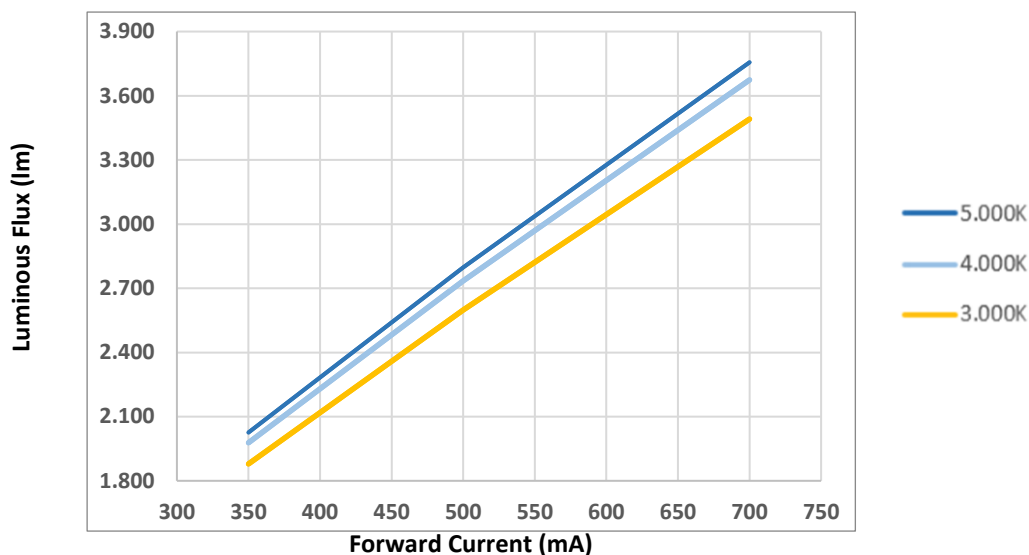
### PRODUCT PART NUMBER

| 80047500100 | 80047600100 | 80047700100 |
|-------------|-------------|-------------|
| 3.000 K     | 4.000 K     | 5.000 K     |

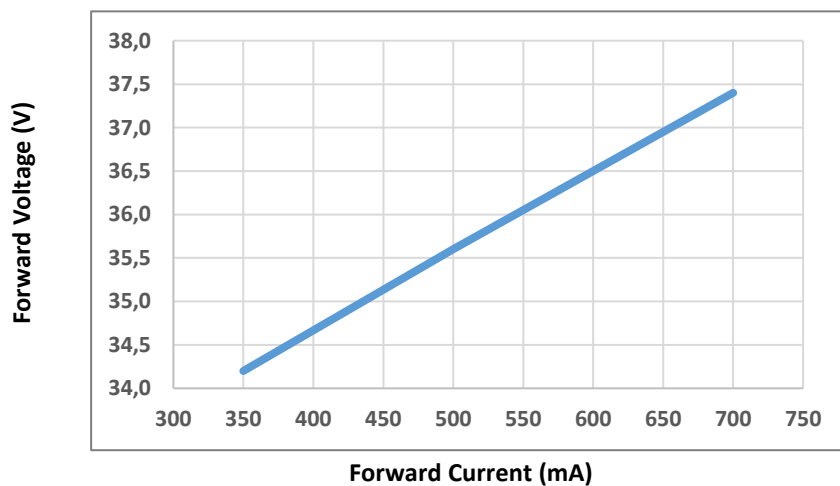
### TECHNICAL INFORMATION

| 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                     | 30     | 1,879              | 34.2                | 70                       | 75      | 12        | 157             |
| 3.000 K | 500                     | 30     | 2,598              | 35.6                | 100                      | 75      | 17.8      | 146             |
| 3.000 K | 700                     | 30     | 3,491              | 37.4                | 140                      | 75      | 26.2      | 133             |
| 4.000 K | 350                     | 30     | 1,978              | 34.2                | 70                       | 75      | 12        | 165             |
| 4.000 K | 500                     | 30     | 2,735              | 35.6                | 100                      | 75      | 17.8      | 154             |
| 4.000 K | 700                     | 30     | 3,674              | 37.4                | 140                      | 75      | 26.2      | 140             |
| 5.000 K | 350                     | 30     | 2,026              | 34.2                | 70                       | 75      | 12        | 169             |
| 5.000 K | 500                     | 30     | 2,797              | 35.6                | 100                      | 75      | 17.8      | 157             |
| 5.000 K | 700                     | 30     | 3,756              | 37.4                | 140                      | 75      | 26.2      | 144             |

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



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

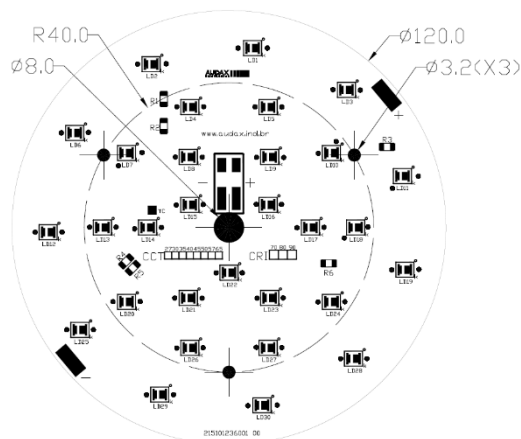


**LED TYPE**

Manufacturer: Nichia Corporation

LED Series: 757

## MECHANICAL DRAWING



Unit: mm

## WIRING

| Specification item        | Value                  | Unit                   | Condition     |
|---------------------------|------------------------|------------------------|---------------|
| Input wire cross- section | 0.25...0.75<br>18...24 | mm <sup>2</sup><br>AWG | Solid wire    |
| Input wire strip length   | 7.5...8.5              | mm                     | Solid wire    |
| Input wire cross-section  | 0.33...0.5<br>20...22  | mm <sup>2</sup><br>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](#))

