

## LIGHT ENGINE 560 x 20mm 1.550lm

|            |            |
|------------|------------|
| Issue Date | Jul - 2017 |
| Issued by  | Wilbur C.  |

### Applications

- Troffers
- Battens
- Panels
- Linear Luminaire

### Characteristics

- Module Efficacy – up to 138lm/W
- L70 > 50.000 hours
- CRI > 80 (Typ.85)
- 03 SDCM
- CCTs 3.000K / 4.000K / 5.000K
- 05 years warranty



**Zhaga**

### DRIVE CURRENTS

| Parameter               | Nominal | Max    |
|-------------------------|---------|--------|
| Light Engine Linear 175 | 700 mA  | 700 mA |

### MODULE TEMPERATURES

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

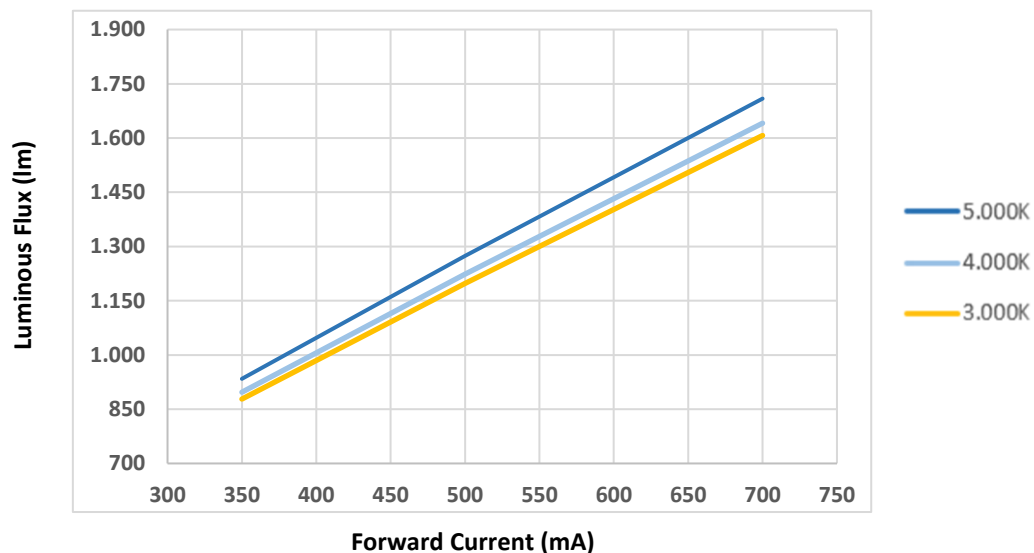
### PRODUCT PART NUMBER

| 80051800100 | 80051900100 | 80052000100 |
|-------------|-------------|-------------|
| 3.000 K     | 4.000 K     | 5.000 K     |

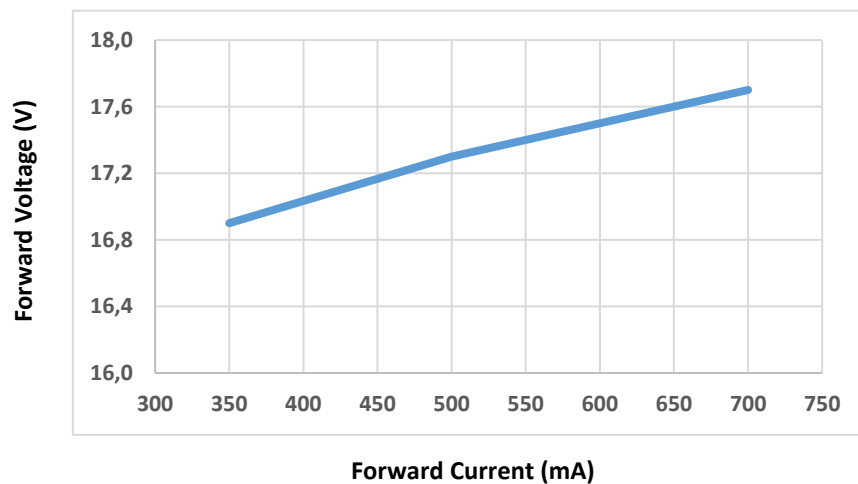
### TECHNICAL INFORMATION

| 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                     | 36     | 878                 | 16,9                | 58                       | 75      | 5,9       | 148              |
| 3.000 K | 500                     | 36     | 1.198               | 17,3                | 83                       | 75      | 8,6       | 139              |
| 3.000 K | 700                     | 36     | 1.607               | 17,7                | 117                      | 75      | 12,4      | 130              |
| 4.000 K | 350                     | 36     | 897                 | 16,9                | 58                       | 75      | 5,9       | 151              |
| 4.000 K | 500                     | 36     | 1.224               | 17,3                | 83                       | 75      | 8,6       | 142              |
| 4.000 K | 700                     | 36     | 1.641               | 17,7                | 117                      | 75      | 12,4      | 133              |
| 5.000 K | 350                     | 36     | 934                 | 16,9                | 58                       | 75      | 5,9       | 158              |
| 5.000 K | 500                     | 36     | 1.274               | 17,3                | 83                       | 75      | 8,6       | 148              |
| 5.000 K | 700                     | 36     | 1.709               | 17,7                | 117                      | 75      | 12,4      | 138              |

Luminous Flux (lm) x Forward Current (mA) (TC 60°C)



Forward Voltage (V) x Forward Current (mA) (TC 60°C)

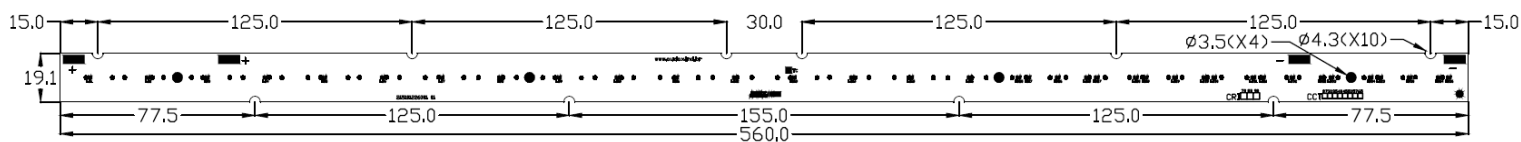


## LED TYPE

Manufacturer: Nichia Corporation

LED Series: TART

## MECHANICAL DRAWING

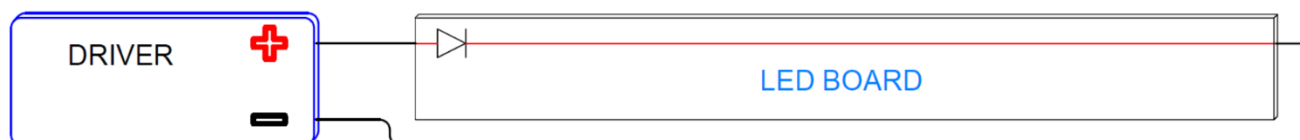


Unit: mm

## 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 21W 220-240VAC (EIP021C0700L2)



### DRIVER FOR 2 LIGHT ENGINES: LED DRIVER 40W 220-240VAC (EIP040C0700L1)

