

### Electrical Specifications

Driver Type:	Constant-Current
Drive Current:	700mA Nominal
Nom. Forward Voltage:	37V
Total Board Power:	26W Nominal
Life:	50,000 Hrs, 70% lumen maint. @ Ta max 40°C, used as specified
Max Junction Temp:	90°C
Max Test Point Temp:	80°C
Operating Temp:	-40°C to +60°C Ambient
Storage Temp:	-40°C to +80°C
Viewing Angle (FWHM):	120° Lambertian distribution
CRI:	70 typical

- Constant-Current DC Array, 12 LEDs in Series
- Designed for easy use in standard luminaires
- Designed to accept any Khatod Nactus 12 optic
- Color: Full ANSI binning
- Suggested Applications: Surface-mount Outdoor, such as Garage, Gas Station & Area Lighting
- Customizable: Engines can be modified to your application. Contact us.
- Engineered by Norlux
- 5 yr. Warranty



### 7 Inch Canopy DC LED Module

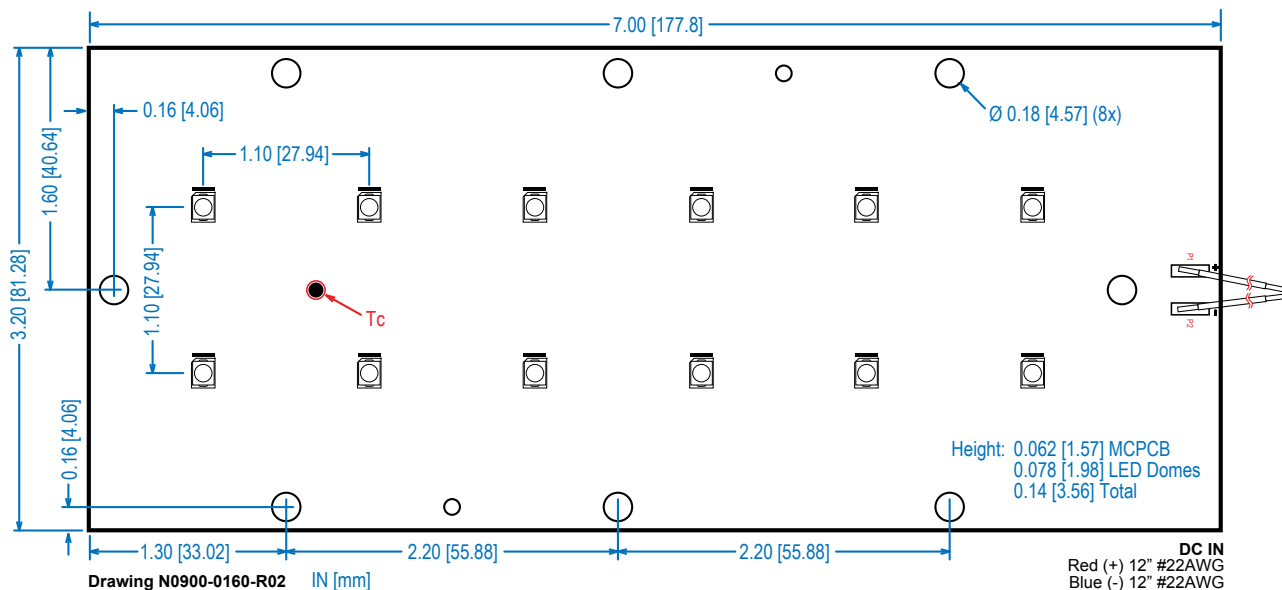
Model	Color Temp (K)	Total Current (mA)	Total Board Power (W)	Lumens (± 15%)	Board LPW
98025	4000	350	12.2	1,780	146
		700	26	3,317	127
98009	5000	350	12.2	1,836	150
		700	26	3,420	132

### Connectivity Options

Suffix	Connection
(blank)	12 IN, #22 AWG Stranded Leads
-01	No Leads
-02	Push-in Connectors

For Poke-In Connectors, use #24-18 AWG stranded or solid wire

### Dimensions



★ **MADE IN USA** ★  
Of Imported And Domestic Components

## CIE Chromaticity Coordinates

### 4000K

ANSI

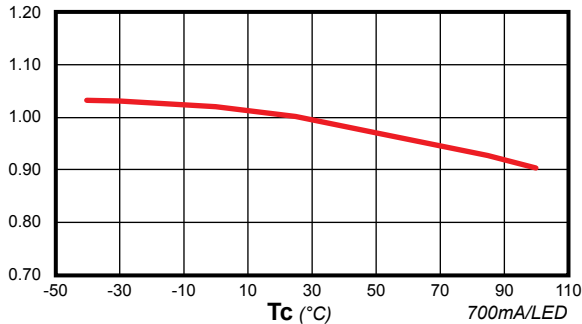
X	Y
0.3736	0.3874
0.3996	0.4015
0.3670	0.33578
0.3898	0.3716

### 5000K

ANSI

X	Y
0.3376	0.3616
0.3548	0.3736
0.3366	0.3369
0.3515	0.3487

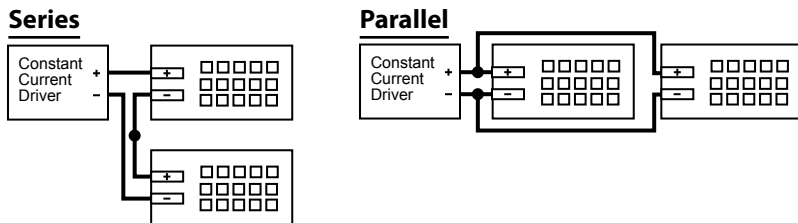
### Relative Luminous Flux / Tc Temperature



## Series/Parallel Configurations

**Parallel:** The positive and negative of one board is connected to the respective positive and negative of the next. Current adds, so the supply must be 2x the current for 2 boards.

**Series:** The negative of one board is connected to the positive of the next. Voltage adds, so the supply must be 2x the voltage for 2 boards.



## Maximum Run Lengths

The max number of boards wired in a chain (**series**) is limited by the max current rating of the first board wired to the driver. The sum of the board currents, in the chain, funnels through the first board. Multiple chains can connect directly to the power supply in parallel. See table for max chain length.

Product	Series/Parallel	Max Allowable Boards	
		High Current (Nom)	Low Current
7" Canopy	Series	11	22

## Mounting Notes

The LED assembly is supplied with mounting holes, per the dimensional drawing. It is important to mount the board in such a way as to maintain the Tc point below the max. The steady state thermals in application will dictate if the board needs to be mounted directly to metallic housing and/or include a thermal pad. For example fully enclosed recessed fixture will require better thermal mounting than an open air pendant.

## Static Sensitive Device

Handle only at static-safe work stations.

## Step Dimming:

This Light Engine can be step-dimmed See the SD2 or SD3 data sheet.

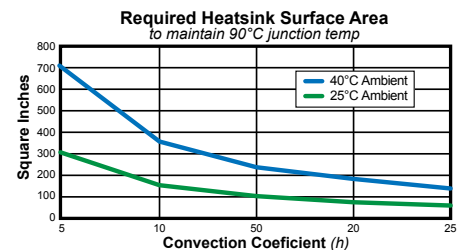
## Compatible TRP Drivers:

The drivers listed here are all compatible with this module. Choose the best driver for your application.

- LED12W-48-C0250
- LED20W-57-C0350
- LED20W-57-C0350-D
- LED20W-43-C0460
- LED20W-43-C0460-D
- LED20W-40-C0500
- LED20W-40-C0500-D
- LED20W-040-C0350-LE
- LED20W-040-C0350-TE
- LDC25W-048-C0450
- LED25W-072-C0350
- LED25W-072-C0350-D
- LED25W-062-C0400
- LED25W-062-C0400-D
- LED25W-056-C0450
- LED25W-056-C0450-D
- LED25W-040-C0450
- LED25W-040-C0450-D
- LED25W-040-C0620
- LED25W-040-C0620-D
- LED25W-48-C052-LE
- LED25W-48-C052-TE
- LEDDC25W-072-C0350
- LEDDC25W-072-C0350-D
- LED30W-85-C0350
- LED30W-42-C0700
- LED30W-85-C0350-D
- LED30W-075-C0450
- LED30W-075-C0450-D
- LED30W-075-C0400
- LED30W-075-C0400-D
- LED30W-42-C0700-D
- LED35W-054-C0700
- LED35W-054-C0700-D
- LED40W-114-C0350
- LED40W-114-C0350-D
- LED40W-100-C0450
- LED40W-100-C0450-D
- LED40W-089-C0450
- LED40W-089-C0450-D
- LED40W-054-C0700
- LED40W-054-C0700-D
- LED40W120-054-C0700-LT
- LED40W230-054-C0700-LT
- LED50W-72-C0700
- LED50W-72-C0700-D
- LED60W-086-C0700
- LED60W-086-C0700-D
- LEDDC60W-086-C0700

## Thermal Application Notes

Heat sink required during operation. For assistance in designing proper thermal management for your application, contact TRP.



## Maximum Current

**Max Current: 1500mA**

**Voltage at max current: 42V, Power at max current: 62W**

The total maximum current reflects the LED maximum forward current only, without considering thermal needs. Driving the LEDs this hard will likely violate their thermal limits, depending on the application. **Tc point must remain at or below the max temperature, or the warranty will be voided.** Temperature is directly correlated to LED current.

## Packaging

50 per box standard.