

Waveform Lighting's ABSOLUTE SERIES™ technology is the LED industry's first LED product to achieve 99 CRI at D50 5000K and D65 6500K.

The LED linear module is 11 inches in length and designed around a 24V constant voltage architecture, providing 800 lumens per module. Poke-in terminal blocks are mounted on both ends, allowing for quick solderless connectivity and daisy chain capability.

The LED linear module is built with premium PCB materials including extra thick aluminum and copper, as well as high thermal conductivity dielectric material. The module features 35 LEDs mounted in a high density configuration, eliminating dark spots and shadowing on diffusers.

## FEATURES

- 99 CRI to truly replicate natural daylight - an industry first
- Available in D50 (5000K) and D65 (6500K)
- Designed around 24V constant voltage input
- 800 lumens @ 24V
- 350 mA current draw and 8.4 W power draw @ 24V
- Aluminum-core PCB for excellent thermal dissipation and long-term reliability
- Versatile linear form factor measures 11 inches x 0.78 inches (280 mm x 20 mm)
- 3.3 mm diameter mounting holes - compatible with standard M3 screws
- WAGO 2060 connectors on both ends for plug-and-play connectivity (18 - 24 AWG)
- Daisy chain capability of up to 10 modules
- High-reflectance pure white soldermask for improved system efficacy



## PHOTOMETRIC SPECIFICATIONS

|               |                  |  |         |
|---------------|------------------|--|---------|
| Light output: | 800 lumens       | CRI Ra (min):                              | 95      |
| D50 CCT:      | 5000K ± 75K      | CRI Ra (typ):                              | 99      |
| D65 CCT:      | 6500K ± 75K      | CRI R9 (min):                              | 90      |
| D50 CIE xy:   | (0.3447, 0.3553) | TLCI:                                      | 95+     |
| D65 CIE xy:   | (0.3123, 0.3282) | TM-30-15 R <sub>f</sub> / R <sub>g</sub> : | 95+/100 |

Download full photometric reports at <https://www.waveformlighting.com/photometrics>

## ELECTRICAL SPECIFICATIONS

|                  |                  |
|------------------|------------------|
| Input type:      | Constant Voltage |
| Input voltage:   | 24V DC           |
| Current draw:    | 350 mA @ 24V DC  |
| Power draw:      | 8.4 W @ 24V DC   |
| Max daisy chain: | 10 PCS           |

## MECHANICAL SPECIFICATIONS

|                           |                                  |
|---------------------------|----------------------------------|
| Length:                   | 11.0 in (280 mm)                 |
| Width:                    | 0.787 in (20 mm)                 |
| Height:                   | 0.236 in (6.0 mm)                |
| LED spacing (OC):         | 0.315 in (8.0 mm)                |
| Terminal block wire spec: | 18-24 AWG, 0.28-0.35 in (7-9 mm) |

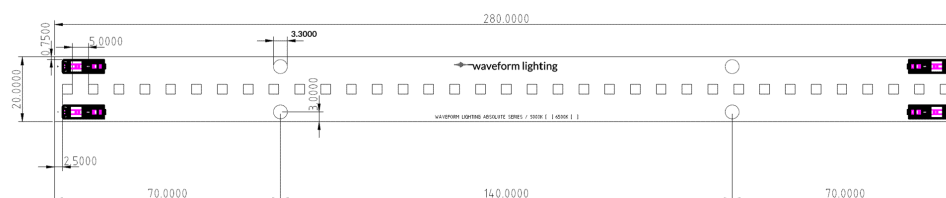
## POWER SUPPLY SELECTION

Compatible with Waveform Lighting PN 3092 or third-party 24V DC constant voltage power supply.

If you choose to utilize a third-party power supply unit, you will need to ensure that the power capacity of the power supply is sufficient for the number of modules being connected in a daisy chain. Use the table to the right to determine if the power supply is sufficient for your project.

| Qty     | Minimum Power Supply Capacity |
|---------|-------------------------------|
| 1 PCS:  | 420 mA / 10 W                 |
| 2 PCS:  | 820 mA / 20 W                 |
| 5 PCS:  | 2.1 A / 50 W                  |
| 10 PCS: | 4.2 A / 100 W                 |

## MECHANICAL DRAWING & DIMENSIONS



## PART NUMBERS AND ORDERING

|      |         |
|------|---------|
| D50: | 7001.50 |
| D65: | 7001.65 |

