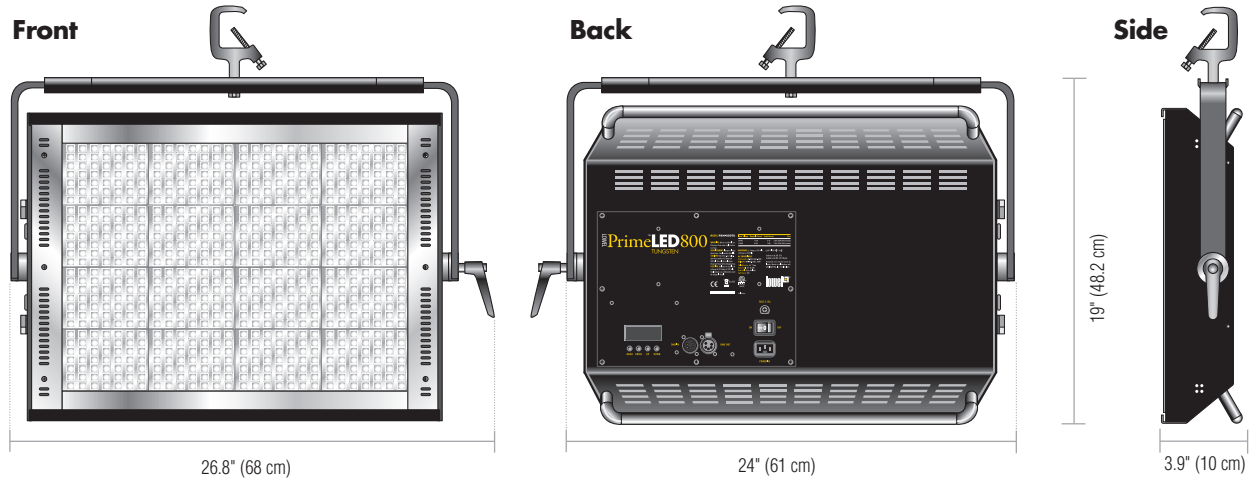


Model: 800 Tungsten (PRM-800TU), 800 Daylight (PRM-800DA)

# Studio Quality LED Lighting Fixtures for Professional Imaging Applications



- The Lowel Prime LED System has dedicated tungsten as well as daylight color fixtures
- They have powerful output, wide beam angles, and high color rendering indexes
- Fanless convection cooling allows them to vent heat quietly
- At 210 Watts, Prime 800 is more efficient than fluorescent or Tungsten-halogen fixtures
- 50,000 hour manufacturer listed LED lamp life
- All models auto-set to AC voltages from 90-240V
- Most components in fixture are easily user replaceable
- Light Control Accessories available

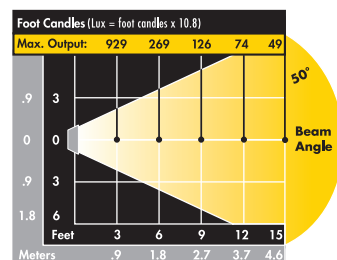
### Application:

The Lowel Prime LED 800 is a professional studio quality LED lighting fixture, in dedicated Daylight (5600°K) or Tungsten (3300°K) color models, with a high Color Rendering Index of 91+. It has a beam angle of 50°, and light output of 74 foot candles at 12 feet. It is fully DMX-512 (1990) compliant, and can be dimmed via DMX or manually on the unit. Daylight models have a small quantity of Tungsten color LEDs, and Tungsten models have a small quantity of Daylight LEDs integrated into their array's, for purposes of color balancing. It is possible to give the 2 colors in each fixture separate DMX addresses, to allow minor adjustment of their relative setup levels, for applications needing color proximity matching to other sources (aprox range, 100-200°K). The fixture consumes 210 Watts, has a power factor of .95, fanless convection cooling for silent operation, and a metal housing. It can be mounted on a stand or hung on a rail. It conforms to UL STD. 1573, and is Certified to CSA STD. C22.2 No. 16 6.

### Specification:

Studio LED fixture shall be listed in compliance with UL STD. 1573, and Certified to CSA STD. C22.2 No. 16 6. It shall be DMX dimmable, have a beam angle of 50 degrees, Color Rendering Index of 90+, allow for minor adjustment of output color (daylight or tungsten), fanless convection cooling, and be able to deliver 70 footcandles of light or more at 12 feet.

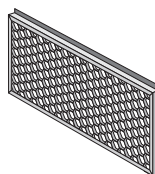
### Performance



### Beam Angles:

- Points at which intensity drops to 50% of maximum.
- Foot Candle readings taken with Tungsten color model, at center of beam, using a Minolta CL-200 meter.

### Available Accessories:



#### Honeycomb Grids:

Each fixture has accessory honeycomb grids to control the spill of the light, by attaching easily to the front of the fixture. The grids are available in 20 or 30 degree dispersions. Honeycomb Grids cause some loss of light output



#### Barndoor/Softening Set

This set includes a 4 way barndoor and subtle diffusion gel. Due to the 'multi point-source' nature of most LED fixtures, it is common to have an undesired multi-shadow effect when using barndoors to trim the beam.

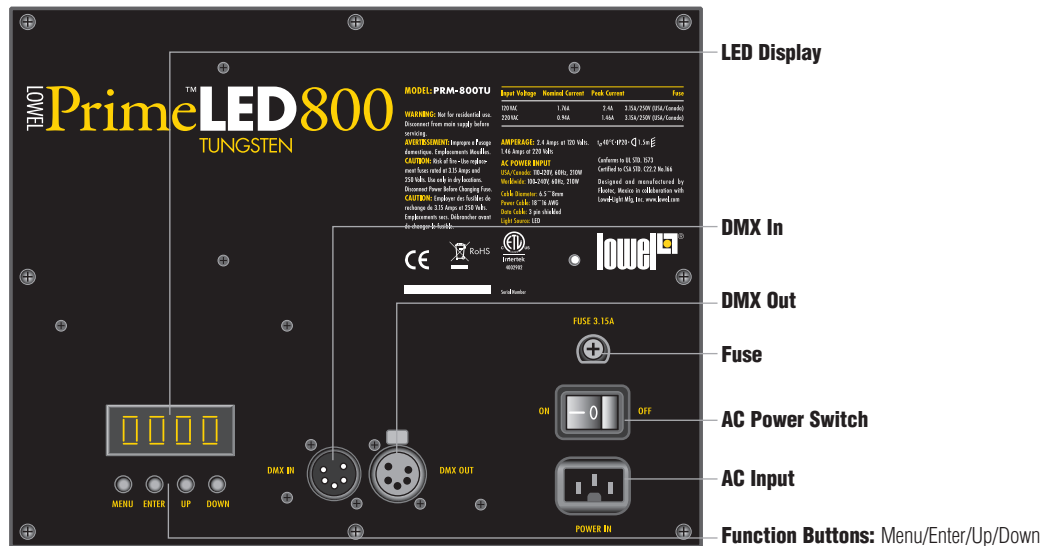
Barndoors with added diffusion attached will minimize multi-shadow, while still allowing a visible barndoor cut.



## Model: 800 Tungsten (PRM-800TU), 800 Daylight (PRM-800DA)

### Controlling Lowel Prime LED

The fixtures of the Lowel Prime LED Series are all dimmable models, which can be controlled either manually on the fixture or remotely via a console with DMX-512 protocol.



### Technical Specifications

#### General

**Use:** Dry locations only  
**Supplied contents:** Lowel Prime LED 800, Gel Frame, Safety Cable, Standard C-Clamp, 5/8" Female Stand Fitting, unswitched T1-808 AC Cable, and (USA domestic models only) switched T1-80 AC Cable

#### Input:

**AC POWER INPUT:**  
**USA/Canada:** 110-120V, 60Hz, 210W  
**Worldwide:** 100-240V, 60Hz, 210W  
**Power Factor:** .95

Input Voltage	Nominal Current	Peak Current	Fuse
120 VAC	1.76 A	2.4A	3.15A/250V (USA/Canada)
220 VAC	0.94 A	1.46A	3.15A/250V (Worldwide)

**AMPERAGE:** 2.4 Amps at 120 Volts. 1.46 Amps at 220 Volts

#### Color Temperature / CRI

**Model 400-DA:** 5600°k  
**Model 400-TU:** 3300°k  
**Color Rendering Index (CRI)**  
**Both Models:** 90+ (pro photo quality)

#### Physical

**Dimensions:** 26.8 x 3.9 x 19" (68 x 10 x 48.2 cm)  
**Weight:** 25.1 lbs (11.4kg)  
**Housing:** Sheet metal with flat black scratch resistant paint

#### Heat Management

**Heat dissipation:** Fan-free convection  
**Air flow requirements:** Allow for free air flow

### Data And Installed Software Features

**INTERFACE OPTIONS:**  
**Serial:** USITT DMX-512, 1990  
**DMX addressing:** On unit, 1–512 addresses.

#### Software Features

**Software Lock:** fixture can be password locked to limit access to controls  
**Master/Slave:** 1 master can control multiple DMX chain slaves (all dim together with Master, on unit - no console required).  
**Color Tweaking:** Allows the daylight & tungsten LEDs to be separated, and given DMX addresses, for tweaking output color.  
**Stored Dimming Behavior Curves:** To vary the rate of dimming when using a DMX console, there are 4 stored behavior curves. This allows the fixture to dim at the same rate as conventional fixtures (ex - tungsten-halogen) that are also in the DMX chain.

#### Agency Approvals

Conforms to UL STD. 1573  
 Certified to CSA STD. C22.2 No. 16.6.



**Intertek**  
4002902

#### Warranty

Lowel-Light warrants that Lowel Prime LED fixtures under normal use in accordance with operating instructions, will perform to the specifications published by Lowel-Light at the time of purchase, for two (2) years, from the date of purchase by the consumer. In the event of a defect reported by the consumer within the applicable time period, if any, Lowel-Light will, at its option, replace or repair the defective merchandise at no charge to the consumer for either parts or labor.

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*As part of its policy of continuous research and product development, Lowel-Light reserves the right to change or withdraw specifications without prior notice.*



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