



GENERAL INFORMATION

A powerful, well-rounded stage light, the elektraLite **1018AI** is ready to bring rich vibrant color at a professional level.

At the heart of the elektraLite **1018AI** are eighteen powerful 12-watt 6-in-1 LED's, consisting of a red, green, blue, white, amber, and indigo component. The 6-in-1 LED uses diffraction lensing, eliminating "rainbow" color spots which are typical when individual LED's are exposed in lighting a cyc or similar background.

The elektraLite **1018AI** is designed to deliver rich, vibrant colors you expect from an LED fixture, while still providing true, brilliant, tunable white. By mixing color internally, the **1018AI**'s sophisticated diffraction lensing system provide true, blended, single-color output. Because of this, the white is tunable with the amber and white LED components, and the color range for pastel and deep blues and purples is intensified with the indigo component.

By adding amber and indigo to the LED emitter, the elektraLite **1018AI** is ideal for a wide variety of public spaces including stages, classrooms, galleries, worship spaces, studios, and event spaces.

A user-friendly onboard control interface allows for multiple control options including master/slave, DMX, including RGB, strobe, and console-free static operation.

The **1018AI** has 5-pin XLR DMX connectors (both in and thru). With a convenient, strong double-yoke included standard, mounting options are limitless.

FEATURES

- LED technology; utilizing eighteen 12-watt 6-IN-1 LED's
- rich, vivid red, blue, green and white, with added amber for true white color toning, and indigo for pastel blending and well-rounded color saturation
- crisp 5,600K white light and balancing 2,700K amber
- flicker-free on camera operation
- strong double yoke allows for floor mount or hanging
- variable adjustable speed strobe effect
- sophisticated diffraction lensing system provide true, blended, single-color output
- up to eight fixtures can be connected on one 20A circuit, and can be run in stand-alone or master/slave configuration, all with or without a control source, for fast, effective, and efficient operation
- thermal protection and cooling built-in
- double-slot gel frame holder and accessory slot with clip built-in

ORDERING INFORMATION

| | |
|--------|---|
| ELE788 | 1018AI LED with 30° Beam Spread |
| ELE720 | 1018 Four-Leaf Barn Door <i>(black)</i> |
| -W | White Finish <i>(add to end of fixture part number)</i> |



ELE788

1018AI

(18) 12W RGBWAI LED

SPECIFICATIONS

| | |
|--------------------------|--|
| Power Consumption | - 200 watts (1.9A) |
| Electrical | - multi-voltage; AC 100-240V – 50/60Hz |
| Housing | - black aluminum |
| Materials | - corrosion resistant hardware |
| Yoke | - rigid flat steel |
| Light Engine | - eighteen 12-watt LED emitters |
| Refresh Rate | - >400Hz |
| CRI | - 86 |
| Optics / Lensing(s) | - Diffraction Lensing |
| Control | - DMX-512A (in and thru) via 5-pin XLR |
| Ratings / Certifications | - ETL listing to UL1573 |

ACCESSORIES

Accessories Included with each 1018AI are as follows:

- (1) double-yoke
- (1) 24" integrated power cable with Edison connector

DMX PROFILE

Depending on personality chosen, the 1018AI can be set for operation from 4 to 13 channels of DMX. Consult the User Manual for further details.

| CH | ACTION DESCRIPTION | VALUE |
|----|---|--------|
| 1 | Grand Master for RGBW | 0-255 |
| 2 | Red LED's | 0-255 |
| 3 | Green LED's | 0-255 |
| 4 | Blue LED's | 0-255 |
| 5 | White LED's | 0-255 |
| 6 | Amber LED's | 0-255 |
| 7 | Indigo LED's | 0-255 |
| 8 | Crossfades* | 0-255 |
| 9 | Strobe Effect | 0-255 |
| 10 | HSV | 10-255 |
| 11 | Speed Control for Channel 10 | 0-255 |
| 12 | Dimmer Curve (various – see manual) | 0-255 |
| 13 | ID Fixture Address (various – see manual) | 1-255 |

* = consult manual for full DMX Profile details

PHOTOMETRICS

Photometric data was taken with all channels at full, and reflects the output of the fixture with the lens installed as noted. Comparisons between fixtures should only be made with photometric data that incorporates the lensing system to be used.

| Lens | Beam Angle | Field Angle | Candela (cd) | Field Lumens | Lumens per Watt |
|------|------------|-------------|--------------|--------------|-----------------|
| 30° | 29° | 64° | 87,993 | 2884 | 27.5 |

| Lens | Beam Size at 10' Throw (d) | Beam Size at 20' Throw (d) | Beam Size at 30' Throw (d) |
|------|----------------------------|----------------------------|----------------------------|
| 30° | 6'-3" | 12'-8" | 19'-2" |

To determine illumination in footcandles (fc) at any distance, divide candlepower (cd) by distance squared ($fc=cd/(d^2)$). For Lux, multiply footcandles (fc) by 10.76.

DIMENSIONS CHART

| Physical Dimensions | | | Shipping Dimensions | | |
|---------------------|--------|-------|---------------------|--------|-------|
| Height | Length | Width | Height | Length | Width |
| 8.5" | 11" | 8.5" | 14" | 14" | 11" |

WEIGHTS CHART

| Weight | | Shipping Weight | |
|--------|-----|-----------------|-----|
| lbs | kgs | lbs | kgs |
| 9.5 | 4.3 | 13.0 | 5.9 |

