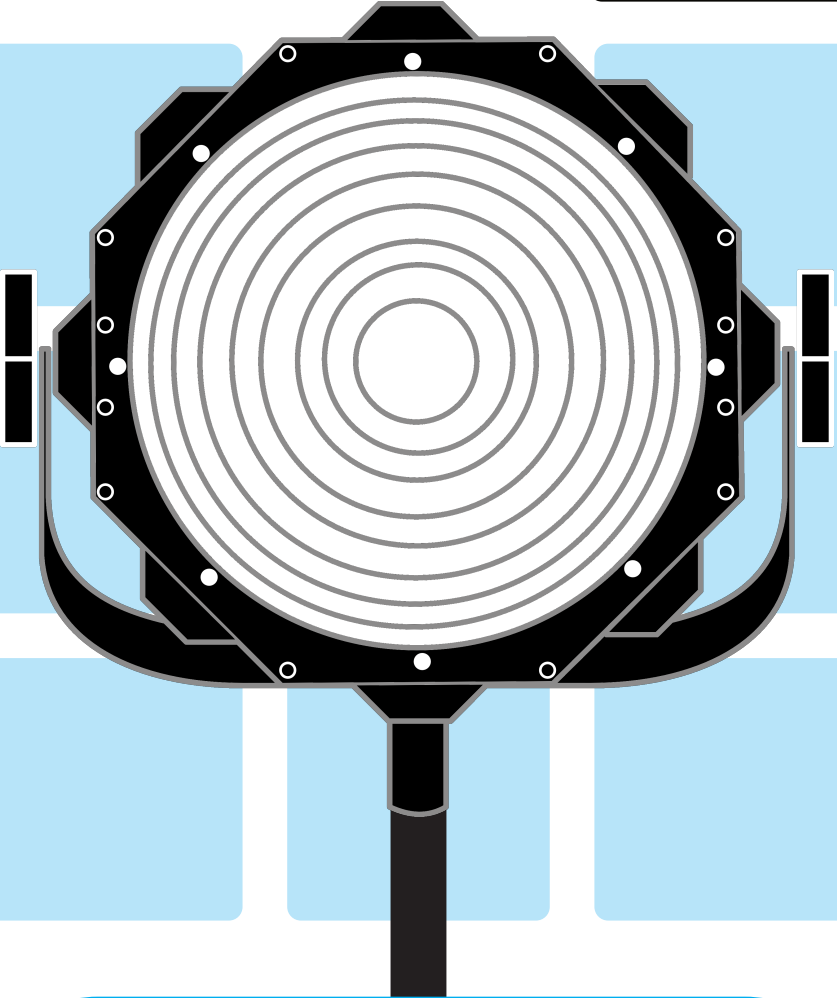




NILA



**NILA 150 BI-COLOR  
USER GUIDE**



Nila LED light fixtures are intended for indoor use only (unless specified for outdoor use).



Nila LED light fixtures should not be used in ambient temperatures over 50°C (120°F)



Do not use Nila LED light fixtures in wet conditions unless clearly specified for all-weather use. A shock hazard may exist if a fixture is placed directly into water.



Nila LED light fixtures are not suitable for direct mounting on normally flammable surfaces (suitable only for mounting on non-combustible surfaces).



When mounting Nila LED light fixtures for use, make sure the power cable is not stressed or kinked. A shock hazard may exist if the power cable is being stressed due to the mounting of the fixture.



Only connect Nila LED light fixtures to grounded power supplies. Nila LED light fixtures may only be powered by AC power supplies of 90 to 240 volts AC, 50 to 60 hertz (unless specifically noted as DC compatible).



Nila LED light fixtures conform to all applicable CE directives.



Nila LED light fixtures comply with North American safety standards.

**RoHS**

Nila LED light fixtures comply with the Restriction of Hazardous Substances Directive.

This user guide is published by Nila, Inc. without any warranty. Improvements and changes necessitated by typographical errors, inaccuracies of current information, or improvements to programs and/or equipment may be made by Nila, Inc. at any time without notice. Such changes will be incorporated into new editions of this user guide. All rights reserved.

Nila 150 Bi-Color User Guide Updated July 2023

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Nila, Inc., 723 West Woodbury Rd., Altadena, CA 91001

## WELCOME TO THE NILA FAMILY!

Thank you for purchasing a state of the art LED product from Nila. Take a few moments to read this manual and familiarize yourself with the operations and capabilities of your new LED light fixture.

All LED lights are sustainable, right? Well, maybe not. It depends on the practices of the business behind the product. Nila's business model includes sustainable practices across the board. That includes using reusable and recyclable components, upcycling shipping materials, and offering trade-in options so we can recycle components from any lights you may want to upgrade.

We actively encourage our employees and our customers to be responsible stewards of the planet. Our goal is for everything we produce to be 100% recyclable and/or reusable.

All Nila products are assembled and tested with pride at our Altadena offices, and they're designed to provide a lifetime of reliable service to you. If you happen to encounter a problem with your fixture, please contact us at [nila.com/support](http://nila.com/support) so we can make it right.

All of us at Nila wish you the very best!

## NILA.COM/REGISTER

Protect your investment! While every Nila fixture is built to last a lifetime, there can still be the occasional problem. We stand behind every fixture we build with our iron-clad warranty.

Visit [nila.com/register](http://nila.com/register) today and register your new Nila fixture for full warranty coverage.

# HARDWARE



intensity knob

instant access 3200°K color temp

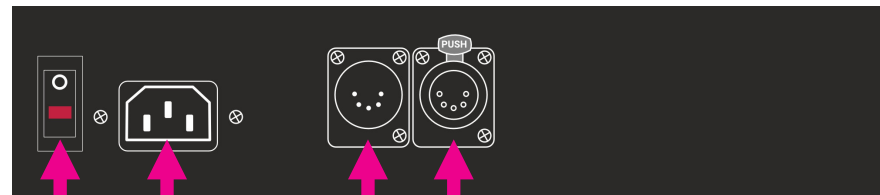
instant access 5600°K color temp

display screen

menu button

back button

color select knob



power switch

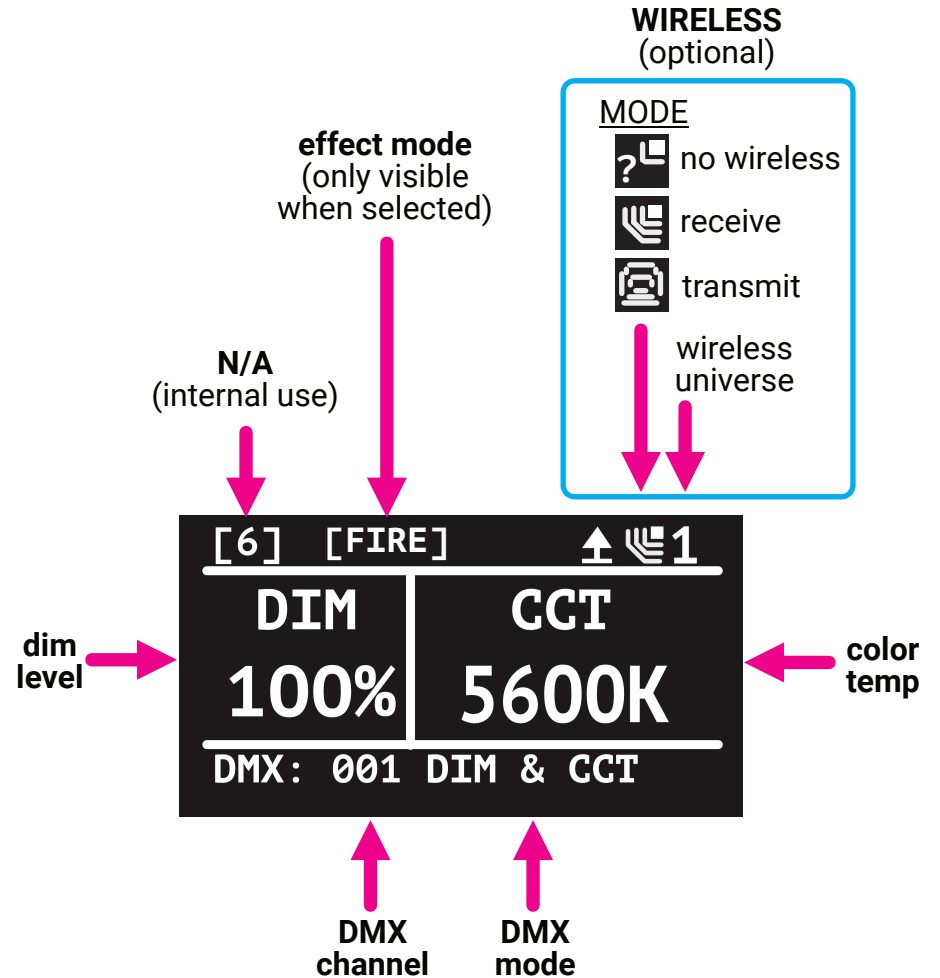
AC power input IEC male

DMX in 5-pin XLR male

DMX thru 5-pin XLR female

**DMX PINOUT:**  
 pin 1 - common  
 pin 2 - data 1 -  
 pin 3 - data 1 +  
 pin 4 - not used  
 pin 5 - not used

# MAIN MENU INDICATORS



**IMPORTANT:** The Nila 150 is available both with and without a wireless DMX control module. Both fixture versions include wireless options in their menus. However, those settings will have no effect on a fixture that isn't equipped with the wireless module.

If you'd like to upgrade your fixture to include wireless capabilities, please reach out to your Nila dealer or contact us through the contact form on our web site at [nila.com/support](http://nila.com/support).

# QUICK START GUIDE

## 1 POWER

Plug your fixture into a 120-240V grounded AC power source. Switch the power switch to the ON position and the fixture will power up with the last-used settings.

## 2 LEVEL

Use the left control knob to vary the intensity of the light output. Press and hold this control knob to enter standby mode without powering down.

## 3 COLOR

Turn the right control knob to change the color temperature of the light. A full range of colors from 2,600°K to 6,000°K is available. Turn the knob clockwise for cooler colors and counterclockwise for warmer.

## 4 DMX

The two 5-pin XLR jacks accept and send DMX 512 control signals. DMX is activated by attaching a 5-pin XLR cable to a DMX 512 compatible signal source. Set the fixture's DMX channel in the menu (see page 7).

## 5 DESIGN

The Nila 150 is a soft light by design. Its integrated fresnel-style lens produces a soft beam with no color fringing and no multiple shadows.

# POWER INPUT OPTIONS



Your Nila 150 light fixture has a universal switching power supply that works with **100-240V AC** input. Make sure that the main power switch is in the OFF position before attaching or removing the power cord from the fixture.


The fixture will work anywhere in the world as long as you use the appropriate plug type for the region. A grounded power source is always necessary for safe operation.

Your Nila 150 light fixture is not designed to be used with external dimmers.

**IMPORTANT:** Your Nila 150 fixture is neither weatherproof nor weather resistant. It is intended for indoor use only. Using it in any sort of precipitation will likely damage your fixture and void your warranty.

# SOFTWARE SETTINGS

Your Nila 150 light fixture has a large number of options available within its control software. All of the most useful information is available on the main screen, as illustrated on page 5.

 To access additional settings, simply press the menu button on the back of the fixture.

The right hand COLOR SELECT knob is used to navigate the menus. Turn the knob to move through each menu and press the knob to make a selection. Use the BACK BUTTON to return to the previous menu.

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## MAIN MENU

### CCT (correlated color temperature)

Select to access the default mode of operation. Utilize the left knob to control output level and the right knob to control color temperature. Available choices range from 2,600°K to 6,000°K.

### EFFECT

Select to access the EFFECTS sub-menu. When selected, the menu will offer the following options and control parameters.

- NONE - intensity & color (CCT MODE)
- BLINK - color, speed & duty
- BREATHE - color & speed
- ROTATE - color & speed
- LIGHTNING - color, speed, & magnitude
- CCT DRIFT - speed, color 1 & color 2
- FIRE - color, speed & magnitude
- INDEP - not used - do not select

### LAMP COUNT

This setting isn't currently in use. If you change this setting, your fixture's output could be deactivated. Reset the setting to the default value of 6 to restore your fixture's output.

### DMX ADDR

Choose a DMX512 channel between 1-511 in order to control your fixture using an external DMX512 controller.

### DMX MODE

Select one of three DMX modes:

2-channel - dim & CCT

12-channel - independent control (not currently used)

15-channel - control of all parameters

(See page 8-9 for control charts)

### WIRELESS ROLE (only available on wireless model)

Select the fixture's wireless role:

OFF - wireless is turned off

RECEIVE - fixture receives DMX data

TRANSMIT - fixture transmits DMX data

### WIRELESS UNIVERSE

Select a wireless universe number between 0-7.

Choose 0 for legacy DMX.

### LANGUAGE

Select this to choose English or Chinese menus.

### LOCK TIME

Select this to set the number of seconds (10-300) that the display remains active prior to timing out.

### VERSION

Select this to display software version information.

### EXIT

Select this to exit the menu.

# DMX PARAMETERS

## 2-Channel DMX Mode

DMX Address	Functions	Parameters	Description
n	DIM	0-255, 0%-100%	N/A
n+1	CCT	2600-6000K, 0%-100%	N/A

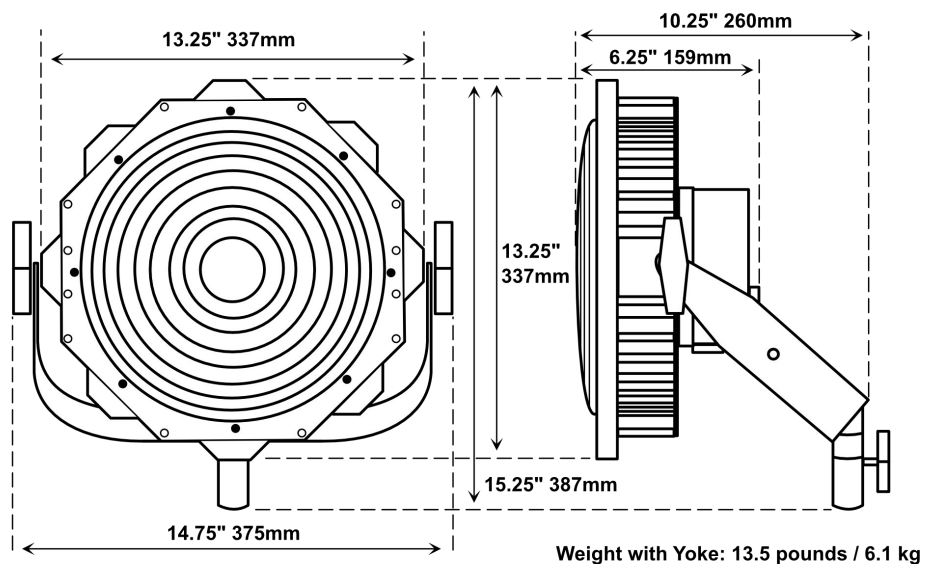
## 12-Channel DMX Mode

DMX Address	Functions	Parameters	Description
n	DIM-1	0-255, 0%-100%	N/A
n+1	CCT-1	2600-6000K, 0%-100%	N/A
n+2	DIM-2	0-255, 0%-100%	N/A
n+3	CCT-2	2600-6000K, 0%-100%	N/A
n+4	DIM-3	0-255, 0%-100%	N/A
n+5	CCT-3	2600-6000K, 0%-100%	N/A
n+6	DIM-4	0-255, 0%-100%	N/A
n+7	CCT-4	2600-6000K, 0%-100%	N/A
n+8	DIM-5	0-255, 0%-100%	N/A
n+9	CCT-5	2600-6000K, 0%-100%	N/A
n+10	DIM-6	0-255, 0%-100%	N/A
n+11	CCT-6	2600-6000K, 0%-100%	N/A

## 15-Channel DMX Mode

DMX Address	Functions	Parameters	Description
n	DIM	0-255, 0%-100%	N/A
n+1	CCT	2600-6000K, 0%-100%	N/A
n+2	Effect	0-255, 0%-100%	0-76(0%-30%): NONE 77-101 (31%-40%): BLINK 102-127(41%-50%): BREATHE 128-153(51%-60%): ROTATE 154-178 (61%-70%): LIGHTNING 179-204 (71%-80%): CCTDRIFT 205-229 (81%-90%): FIRE
n+3	NOT USED		
n+4	Effect Param 1	0-255, 0%-100%	BLINK:Speed BREATHE:Speed ROTATE:Speed LIGHTNING:Speed CCTDRIFT:Speed FIRE:Speed
n+5	Effect Param 2	0-255 0%-100%	BLINK : Duty LIGHTNING : Magnitude CCTDRIFT : CCT2 FIRE : Magnitude
n+6	NOT USED		
n+7	NOT USED		
n+8	NOT USED		
n+9	NOT USED		
n+10	NOT USED		
n+11	NOT USED		
n+12	NOT USED		
n+13	NOT USED		
n+14	NOT USED		

## DIMENSIONS



## SPECIFICATIONS

### OUTPUT

light output: 20,000 lumens average (133 per watt)  
color (CCT): 2,800°K to 6,500°K variable (bi-color)  
beam angle: 60° fixed  
optical efficiency: 90%  
UV output: none  
CRI: >97  
TLCI: 98  
dim range: 0-100% (no CCT shift @ 10 to 100%)  
stroboscopic flicker: <0.001%  
LED type: SMD

### INPUT

input voltage : 100-240 volts AC  
input current: 1.25 amps at 120 volts  
system watts: 150 average, 175 peak  
power factor: >0.92  
surge protection: internal fuse  
control network: wired or wireless RDM DMX512

### HARDWARE

net weight: 13.5 lbs. (6.1 kg)  
operating temperature: -4°F to +104°F (-20°C to +40°C)  
housing construction: cold forged aluminum alloy  
finish: electrophoresis & powder coat w/anti-corrosion  
finish certification: none  
face material: polycarbonate  
mounting options: attached yoke  
IP rating: 20  
light source: high-efficiency LEDs  
projected lifespan: >50,000 hours  
cooling: convection (no fans)  
certs: CE, CB, RoHS, ETL, SAA, EMC, DLC (in process)  
country of origin: China  
warranty period: five years



## STAY IN TOUCH



<https://www.nila.com>



<https://www.nilaoutlet.com>



[info@nila.tv](mailto:info@nila.tv)



<https://linkedin.com/company/nila-lighting>



<https://www.instagram.com/nilaledlighting>



<https://www.facebook.com/nilainc>



<https://www.youtube.com/nilaled>

## LIMITED 5-YEAR WARRANTY

Nila, Inc. ("Nila") guarantees its light fixtures against defects in workmanship for the period of five years from the original date of purchase.

Nila will either repair or replace any defective product, at our sole discretion. To the extent permitted by law, this shall be the sole and exclusive remedy of the purchaser. Nila reserves the right to determine whether the equipment manufactured by Nila is defective.

This warranty does not cover accessories. All warranty claims of any nature are barred if the product has been altered, damaged or in any way physically changed, or subjected to abuse, misuse, negligence or accident. Damage due to normal wear and tear is not covered by the warranty.

Nila disclaims any liability for damage to products, adapters, other property, or personal injury resulting in whole or in part, from improper installation or use of its products. In no event shall Nila be liable for any indirect, punitive, incidental or consequential damages, regardless of whether a claim for such damages is based on warranty, contract, negligence or otherwise, nor shall Nila's liability to the purchaser for damages exceed the purchase price of the product in respect of which damages are claimed.

Any warranty claims shall be made by the purchaser as soon as practicable. The purchaser must obtain a Return Merchandise Authorization (RMA) number from Nila prior to returning any product, and is responsible for paying for all warranty freight costs. To make a warranty claim, the original purchaser must contact Nila through the contact form available at <http://nila.com/support> to obtain an RMA. Some products may be field repairable. You must contact Nila before returning any products.

If Nila determines that any returned product is not defective, within the terms of this warranty, the purchaser shall pay Nila all costs of handling, return freight and repairs at Nila's prevailing rates. All warranty shipments must be pre-paid and insured. Nila is not liable for lost in-bound packages.



The logo features the word "NILA" in a bold, blue, sans-serif font. A small white dot is positioned above the letter 'i'. The text is centered within a black rounded square background.

**NILA**

The text "nila.com" is displayed in a white, sans-serif font, centered within a blue rounded rectangular background.

[nila.com](http://nila.com)