



NILA

**ZAILA DAYLIGHT
USER GUIDE**



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

Nila light fixtures should not be used if the ambient temperature is over 50° C (120°F).



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



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



When mounting a Nila light fixture 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 position of the fixture.



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



Nila products conform to all applicable CE directives.



Nila products comply with North American safety standards.

RoHS

Nila products comply with the Restriction of Hazardous Substances Directive.

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Patents Pending

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Thank you for purchasing a Nila LED light fixture. You're now a member of an elite group of savvy lighting professionals who are ushering in a new age of lighting possibilities. Take a moment to read this manual and familiarize yourself with the operation of your new light fixture. With a little care, your Nila light fixture should give you many years of exceptional service.

STATEMENT OF WARRANTY

Your Nila Zaila is covered by a warranty against manufacturing defects from the date of purchase by the original owner for two (2) years. Under this guarantee Nila Inc.'s liability is limited to repair or replacement of the product with the same or an equivalent product and does not include installation costs, removal costs, or transportation costs, nor loss or damage of any kind whatsoever, whether incidental, consequential or otherwise. Nila Inc. reserves the right to determine whether the equipment manufactured by Nila Inc. is defective. Damage due to normal wear and tear, incorrect installation, misuse, abuse, accident, or any cause other than a manufacturing defect 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. Commodities not manufactured by Nila Inc. are subject to the warranty or guarantee set forth by the manufacturer, and then only to the extent Nila Inc. is able to enforce the warranty or guarantee.

<http://nila.com/register>

Please register your new Nila fixture to protect your investment:

POWER OPTIONS

AC OPERATION

All Nila light fixtures have universal switching power supplies that work at 90-240V AC input. Make sure that the main power switch is in the OFF position before attaching or removing the power cord from the fixture.

An AC power cord is provided for each Nila fixture. A variety of plug types is available. Your Nila light fixture will work anywhere in the world as long as you have the proper plug type for the region. Regardless of plug type, a grounded power source is always necessary for safe operation.

Nila fixtures are not designed to be used with external dimmers.

DC OPERATION

Nila's revolutionary **Direct DC™** option makes it possible to connect your Nila light fixtures directly to a DC source. **Direct DC™** makes powering your lights in the field a snap. Simply connect an XLR output from your battery to the rear of the fixture and switch the power switch to the on position.

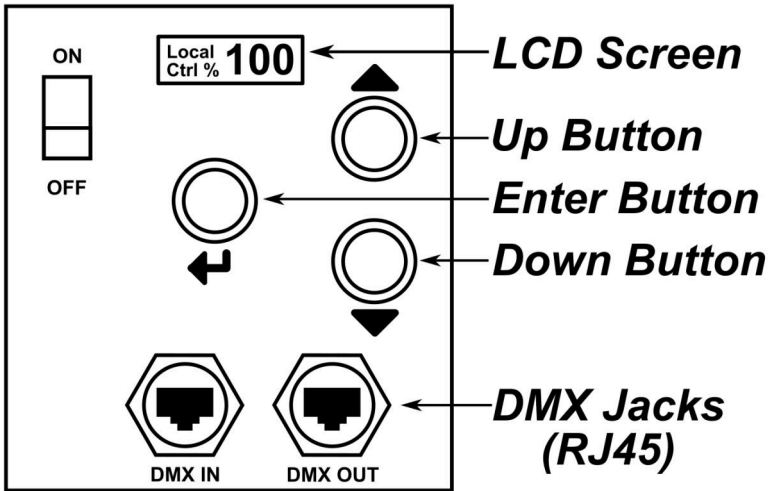
For the Zaila, an optional V-mount or gold-mount battery plate is available. It's designed to be conveniently attached to the fixture's yoke.

The Zaila accepts 10-18 volt DC input via the XLR connector on the rear panel of the fixture. If your battery's voltage falls outside of the recommended range, the fixture will not function. We recommend that you use batteries rated at 6 amps or higher. If you use a battery whose current rating is lower than 6 amps, you risk damaging the battery. If a battery is connected with its polarity reversed, the fixture will not function. Built-in polarity protection will protect your Nila light fixture from damage.

DC extension cables should not exceed 10' (3m) in length.

Zaila XLR Pins: 1 & 2: Negative DC V In
 3 & 4: Positive DC V In

CONTROLS



NOTE: There are multiple versions of the Nila Net control system. The mode selection and networking illustrations presented here are for the version that came with your fixture. Other Nila fixtures may operate differently.

CONTROL MODES

There are two different operating modes for controlling Nila light fixtures. On power up, the LCD screen on the rear of the fixture will display the startup screen with the software version number followed by the operating mode that the fixture was in when last switched off.



The two operating modes are Local Control Mode and DMX Mode. Press the **Enter Button** to switch between modes.

LOCAL CONTROL MODE



Local Control Mode allows for local dimming control of each individual fixture. To change the intensity of a fixture's light output, press the **Up or Down Arrows** on the rear of the fixture. The LCD screen will display the intensity of the output from 0 to 100%.

DMX CONTROL MODE

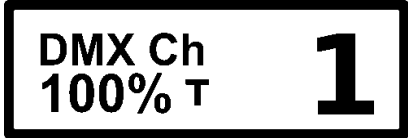
DMX Mode allows for remote dimming control of individual fixtures. This mode requires input from a DMX control system with an RJ45 adapter.



Nila Net allows for each fixture to be addressed to a single control channel between 1 and 512. These addresses correspond to those of a DMX control device. When there is a valid DMX signal present, the LCD screen will display the fixture's current channel setting and output level. If there is no DMX signal present, the LCD screen will read "No Signal".



To change the DMX channel of any Nila light fixture, press the **Enter Button** to switch to DMX control mode. The Select Channel screen will appear. Use the **Up and Down Arrows** to change the DMX channel. Once the channel is set, the display will return to the DMX control mode screen. The channel is now written to memory and will not change even if the light fixture is powered off.



When in DMX Mode, the last light in any chain will display a "T" on its display. This indicates that the control signal is terminated at that light fixture. If more than one light fixture in a chain displays a "T", then there is a faulty cable or fixture.

DMX CONFIGURATIONS

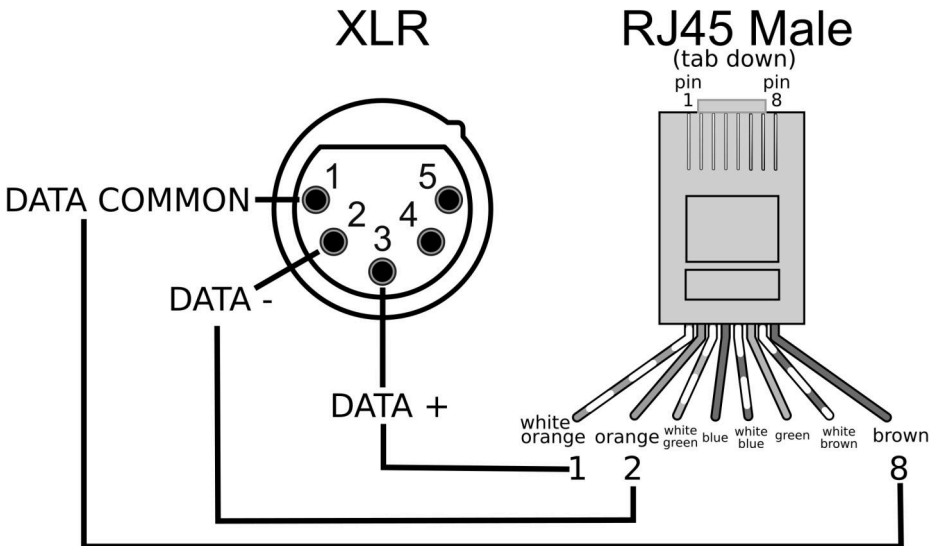
All of the examples presented here require all controlled fixtures to be in DMX mode. When connected to a Nila DMX-to-RJ45 adapter cable, each light fixture will switch to DMX Mode automatically. Each fixture may also be set to DMX Mode manually by pressing the **Enter Button**.

DMX 5-PIN XLR to RJ45 CONFIGURATION

5-pin DMX to RJ45 adapter cables are available from your Nila dealer. You may also make your own adapters.

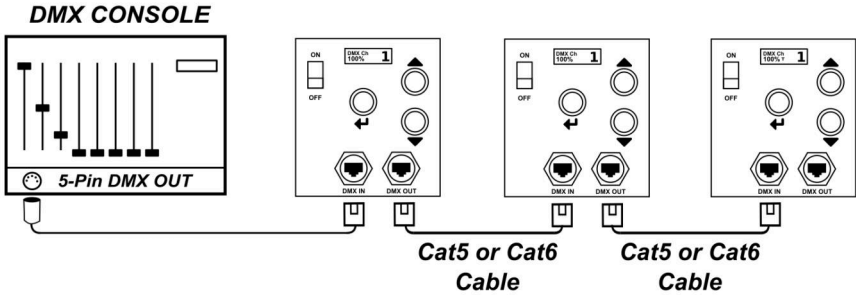


In order to trigger auto-sensing of DMX data, add a loop between pins 4 and 8 on the RJ45 jack.



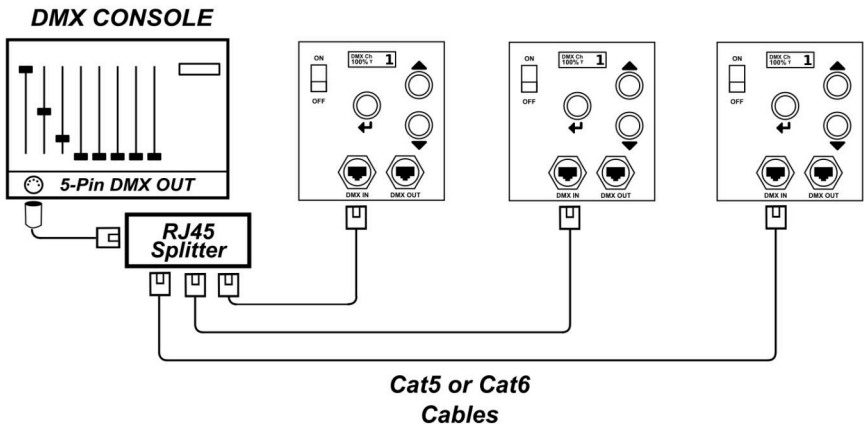
USING A DMX CONTROL CONSOLE (in series)

Nila light fixtures can be controlled by any standard DMX control console with the use of a 5-pin DMX to RJ45 adapter.



USING A DMX CONTROL CONSOLE (in parallel)

Connect the 5-pin XLR output of the DMX console to a non-powered RJ45 splitter using our DMX to Nila Net adapter cable. Use the splitter to distribute the control signal to each fixture. Each fixture can be assigned its own channel or controlled together on the same channel. When using this arrangement, every fixture will display a "T" on its screen indicating that the control signal terminates at each fixture.

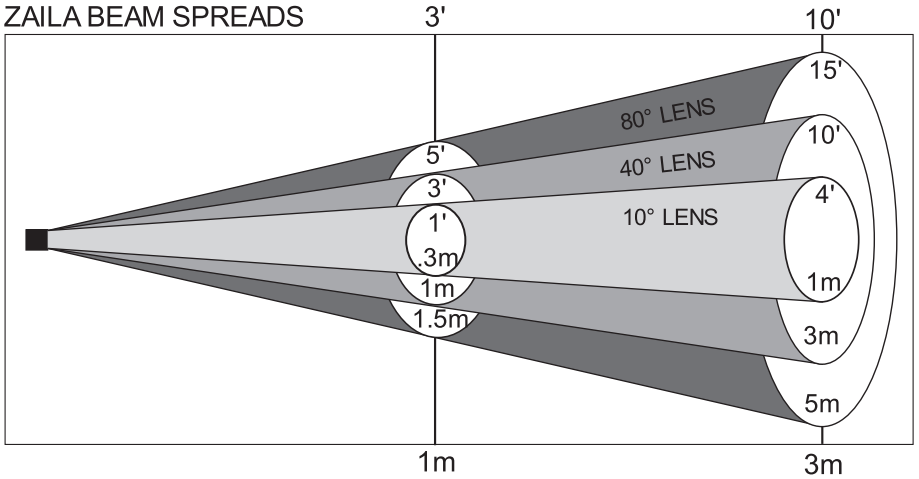


ZAILA SPECIFICATIONS



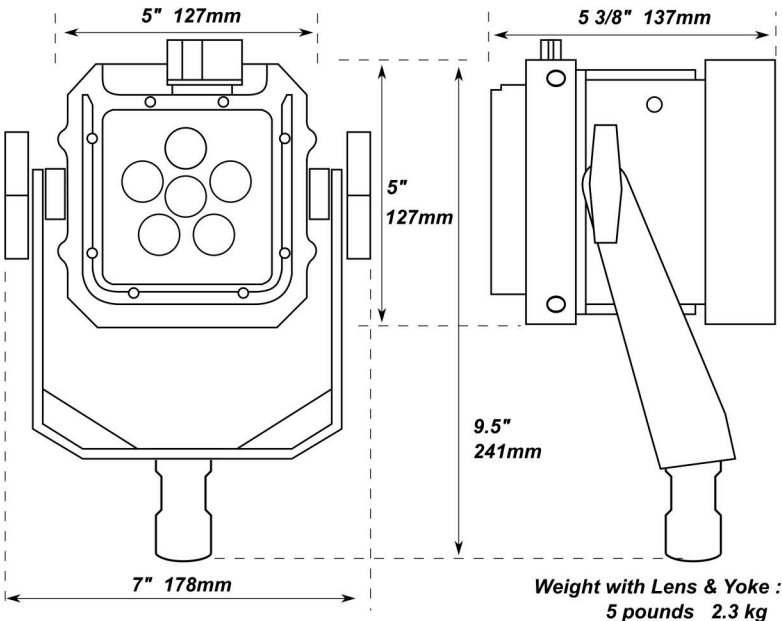
- input voltage: 100-240V AC, 10-18V DC
- input current: 0.4A at 100V AC
- system watts: 45
- dim range: 0-100% (onboard dimmer)
- compatible shutter speeds: all (flicker-free at any frame rate at 100% output, and up to 5000 fps when dimmed)
- light source: single-color, high brightness LEDs
- LED rated lifespan: 20,000+ hours
- color: 5600° K (daylight balanced)
- UV output: none
- color spectrum: continuous
- CRI: 90 (5600°K)
- TLCI: 86 (5600°K)
- beam angle: 10° to 80°
- focus method: holographic film lenses
- control network: DMX512 with RDM
- control connections: RJ45 (5-pin XLR adapter optional)
- built-in Chimera mount
- weight: 5 lbs. (2.3 kg)
- certifications: ETL & CE
- operating temperature: -22°F to +122°F (-30°C to +50°C)
- housing construction: aluminum
- mounting: yoke (w/junior pin and baby receiver)
- operating position: any
- cooling: passive (no fans)
- power cable: 10' IEC (to external power supply)
- power connector: NEMA 5-15P
- country of origin: USA
- warranty period: two years

ZAILA BEAM SPREADS



ZAILA PHOTOMETRICS (daylight balanced)

Lens	3 Ft (FC)	10 Ft (FC)	20 Ft (FC)	1m (lux)	3m (lux)	6m (lux)
Raw	2500	200	52	26910	2150	560
10	1400	120	30	15070	1290	320
20	800	64	16	8610	690	170
40	500	42	11	5380	450	115
60	190	17	5	2045	180	55
80	110	11	3	1180	115	30
60x10	500	42	11	5380	450	115





**LIGHT
SMARTER**