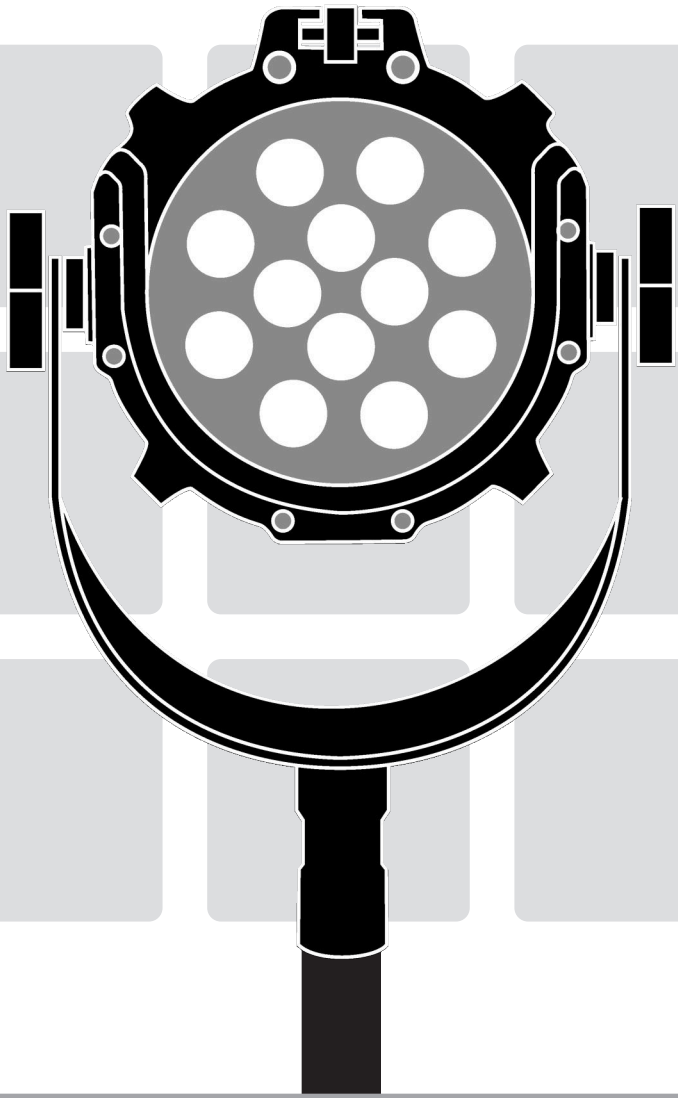
NİLA



VARSA 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.

Varsa (V2) user guide updated 3-26-18

723 West Woodbury Rd., Altadena, CA, 91001 626.529.2856 www.nila.com

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.

LIMITED LIFETIME WARRANTY

Nila, Inc. (“Nila”) guarantees its 2nd generation Varsa light fixtures against defects in workmanship for the lifetime of the products. 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 at support@nila.tv or through the online form at http://nila.com/service to obtain their 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 cannot be liable for lost in-bound packages.

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

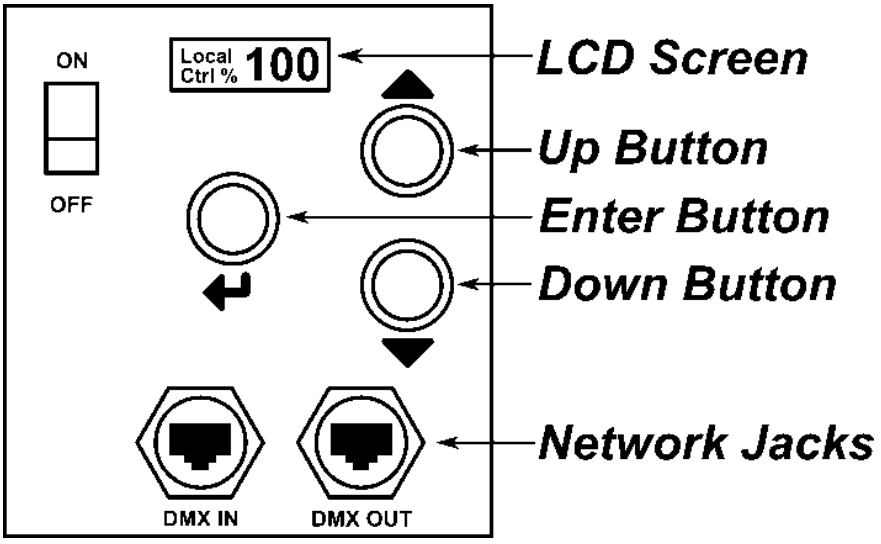
The Varsa accepts 10-18 volt DC input via the XLR connector on the rear panel of the fixture. If your battery's voltage falls outside of the recommended range, the fixture will not function. We recommend that you use batteries rated at 6 amps or higher. If you use a battery whose current rating is lower 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.

Both AC and DC power can be connected at the same time without risk of failure. If both are connected, the fixture will continue to draw power from the DC input until the battery's voltage drops below nominal voltage.

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

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

CONTROLS



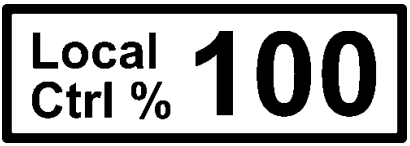
NOTE: There are multiple versions of the Nila Net control system. The mode selection and networking illustrations presented here are for the version that came with your fixture. Other Nila fixtures may operate differently.

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



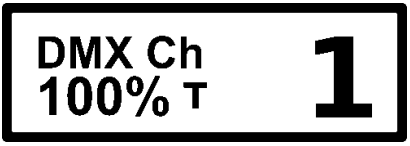
Local Control Mode allows for local dimming control of each individual fixture. To change the intensity of a fixture's light output, press the **Up or Down Arrows** on the rear of the fixture. The LCD screen will display the intensity of the output from 0 to 100%.

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.

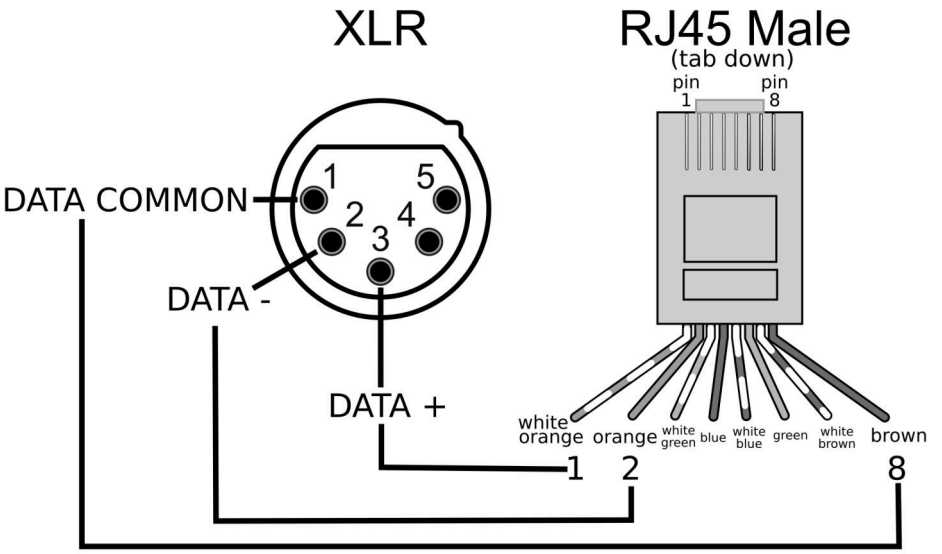
DMX CONFIGURATIONS

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

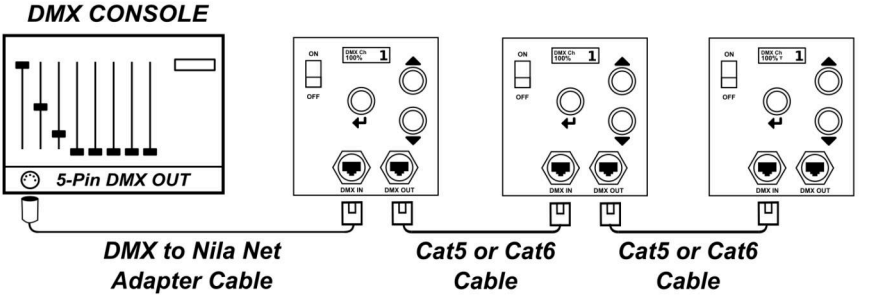
5-pin DMX to RJ45 adapter cables are available from your Nila dealer. You may also make your own adapters.

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



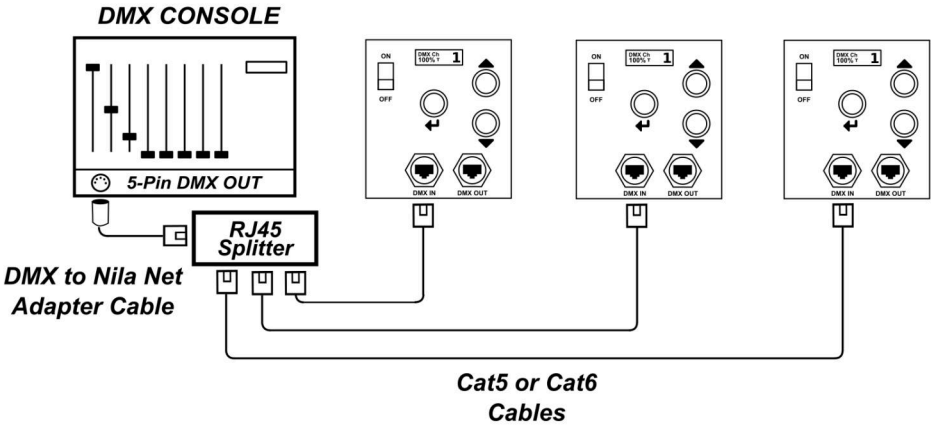
USING A DMX CONTROL CONSOLE (in series)

Nila light fixtures can be controlled by any standard DMX control console. The DMX standard 5-pin XLR output must simply be adapted to the Nila standard RJ45 connector. Nila offers a 5-pin DMX to RJ45 adapter cable that's available from your Nila dealer.



USING A DMX CONTROL CONSOLE (in parallel)

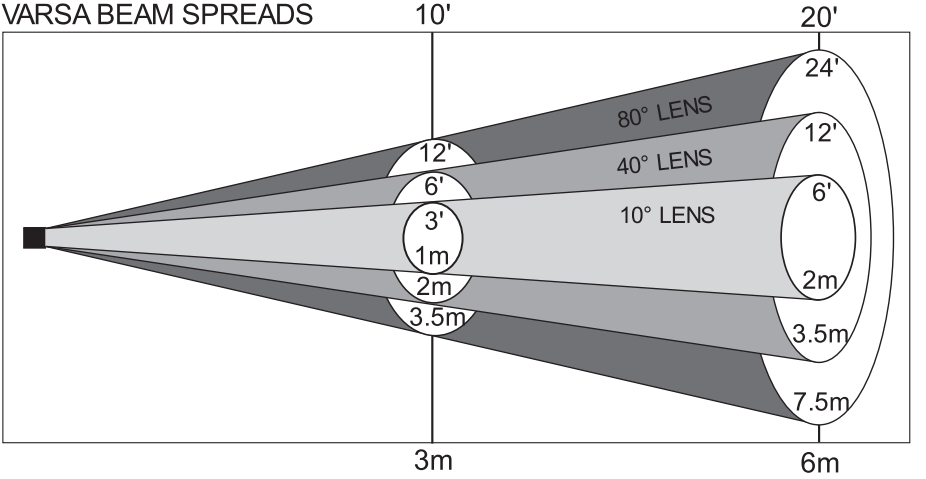
Connect the 5-pin XLR output of the DMX console to a non-powered RJ45 splitter using our DMX to Nila Net adapter cable. Use the splitter to distribute the control signal to each fixture. Each fixture can be assigned its own channel or controlled together on the same channel. When using this arrangement,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



VARSA SPECIFICATIONS

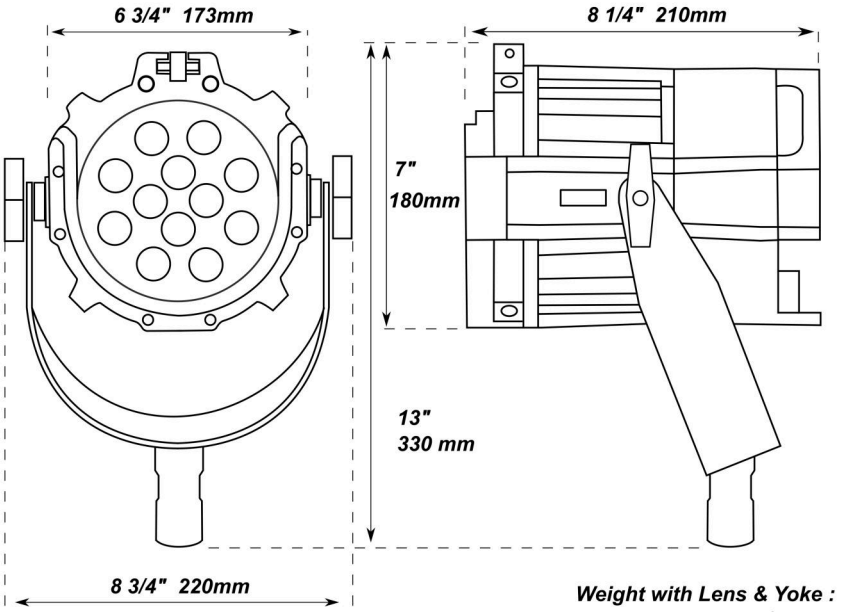
-input voltage: 100-240V AC, 10-18V DC
-input current: 0.65A at 115V AC
-system watts: 75
-power factor: >.95 @ 115V AC, >.97 @ 240V AC
-dim range: 0-100% (onboard dimmer)
-compatible shutter speeds: all (flicker-free at any frame rate at 100% output, and up to 5000 fps when dimmed)
-light source: single-color, 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: 11 lbs. (5 kg)
-certifications: ETL & CE
-IP65
-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' locking IP68 UTL
-power connector: Souriau UTL (AC), 4-pin XLR (DC)
-country of origin: USA
-warranty: limited lifetime

VARSA BEAM SPREADS



VARSA PHOTOMETRICS (daylight balanced)

Lens	3 Ft (FC)	10 Ft (FC)	20 Ft (FC)	1m (lux)	3m (lux)	6m (lux)
Raw	9400	1200	300	100000	13000	3200
10	5000	500	140	54000	5500	1500
20	2000	190	50	22000	2000	520
40	900	80	20	9600	840	210
60	480	42	11	5000	450	110
80	340	28	7.4	3600	300	80
60x10	1500	140	37	17000	1500	400



Weight with Lens & Yoke :
11 pounds / 5 kg

LIGHT SMARTER

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