JAB Hurricane Light

User Manual

(IP65 Protection)

Table of Contents

Before You Begin 3

What is Included 3

Unpacking Instructions 3

Symbol Definitions 3

Safety Notes 3

Introduction 4

Product Description 4

Features 4

Setup 5

Mounting 5

AC Power 7

Control Selection 8

Operation 8

UIM Operation 9

DMX Operation 9

Technical Information 9

General Maintenance and Care 15

Troubleshooting Guide 13

Limited Warranty 15

Contact Us 15

Specifications 16

Before You Begin

What is Included

- User's Manual
- One (1) IP65 Rated Jab Hurricane light
- AC Power Input cable with plug
    - USA voltage (120Vac), three-prong plug standard
    - One (1) 120/240v Adapter
- Diffuser lens, four (4), 5^{o} ,15^{o}, 30^{o} and 55^{o}
- One Aadyn scrim bag, one CTO & one Minus Green Filter
- One yoke pin attached
- User Interface Module , UIM (Included, if purchased – Optional)

Unpacking Instructions

Immediately upon receipt of this light, carefully inspect the shipping packaging for any obvious signs of damage from mishandling or exposure to the elements. If any is noted, please provide this information to the shipper immediately so that the proper claims can be processed. Place packaging in upright position (with labeling and markings in readable orientation) and open the top end of the carton. Verify that all material shown above in the "What is included" section is present and in good condition. Remove the light and associated material from the carton and place the light on a stable surface or mounting configuration.

Symbol Definitions

Note: This symbol indicates important information that should be carefully considered and followed.

Note: This symbol indicates important safety information and warnings. Special attention should be paid to reading, understanding and heading these warnings. Failure to observe these warnings could result in damage to the fixture, third-party equipment or harm to the user.

Note: This symbol indicates important information concerning the operation or functions of this light.

Safety Notes

The JAB Series light fixtures are for **Professional Use Only**. **Please Read Entire User Manual Before Using Equipment.**

- **<u>This light is ETL, CSA listed for IP65 Protection and CE</u>**.
- Only qualified and certified personnel should perform installation, not for household use.
- JAB Hurricane Series light should always be installed/mounted in a stable and secure location or mounting.
- The JAB Hurricane Light is IP65 rated. IP65 rating indicates totally dust tight and protection against low pressure water jets in all directions (i.e. rain). **<u>UNIT IS NOT SUBMERSABLE.</u>**
- Always allow adequate ventilation of the light. Never cover or in any way obstruct the louvered fins on the heatsink or the electronics housing below light.
- If light is suspended either from above or below using yoke, make sure that a safety cable (not supplied) is attached to the light and properly secured. The strength of the cable/chain should be sized suitably to hold 6 times the weight the secured light.
- When mounting the light, make sure that only hardware rated for the weight and size of the fixture is used and is good and proper working condition.
- Never look directly into the light source while the fixture is turned on. Light source is very bright and could cause damage to eyes.
- Do not probe or touch any interior features of the fixture. This includes the LED sources inside the barrel of the light. Doing so may cause damage to the fixture and/or may present a shock or burn hazard.
- Always make sure that the light fixture is connected to the proper power source with proper voltage and current ratings. Also, make sure that adequate over current protection is provided for the circuit as well.

Note: This light contains no user serviceable parts. Do not open the light housing or attempt any repair or modification of the light. Failure to observe this warning could result in damage to the light, injury and voiding the limited warranty.

Warning! Inserting objects or fingers inside any openings or connectors could result in a shock hazard/injury and damage to the light.

Introduction

Product Description

The JAB Hurricane series light fixture is a professional grade, LED based, device which provides exceptional light output and control. The light is capable of manual, tethered remote or DMX control and offers a full array of brightness settings as well as Strobe and Lightning functions.

Features

- Manual control
- UIM control
- DMX control (Compatible with Slow and Fast speeds)
  - Up to 500 selectable DMX addresses
  - Daisy-chain operation of up to 32 lights in one string
  - Controls Brightness, Fade, Strobe and Lightning modes

Setup

Quick Start

Remove the JAB Hurricane light from its protective shipping packaging and place it in a safe and secure location for setup or use.

Prior to proceeding further, make sure that light is resting on a stable surface or is properly attached to a mounting location using the supplied yoke and yoke pin mounting system.

Make note of the location of the inputs and outputs along with the light controls found on the rear of the light's control box.

The AC power cable & DC power cable will be found tie wrapped & coiled up inside of the yoke attached to the power supply inside the shipping container.(if ordered with light package)

- Uncoil the AC and DC cord plugging the DC female end into the DC power input located on the back of the control box (pictured above)

Warning! Lights operate on grounded 110Vac, 50/60Hz or 240Vac, 50/60Hz AC Input. AC Supply Source must be sized properly and have approved protection circuitry for safe operation. Take care to observe all proper precautions when connecting power.

Warning! Unit is NOT SUBMERSIBLE. Do NOT Submerge any part of the light in water or any other liquid.

- Plug the male end of the AC power cord into an appropriate AC power source.
- Turn on light by pressing the RED power switch located in the upper left hand portion of the control box, shown above.
- Using the Selector switch located on the right side of the control box select the desired mode in which you wish to operate the light. UIM, Local or DMX, see section 1.1 if the unit purchased is a Variable light, the color temperature dial will be located on the same side of the box as the Mode Selector switch and the color can be adjusted as desired using the dial for warm light, cool light or a mix of light.
    - Upon power up, the factory default setting will turn on the light immediately to its full brightness unless a specific “Power On” Setting which has been previously programmed into the light. This “Power On” Setting will be covered later in these instructions.
    - If the UIM, optional remote control, is ordered with the JAB Hurricane light kit, it will be located in a separate box within the package the Jab light was shipped in. The length of the cable is 12’. Remove the UIM from the box, uncoil the UIM cable and attach the metal connector on the cable to the UIM connector located on the control box as pictured.
    - The display on the UIM will display the following Splash Screen message upon power up.

Aadyn Technology Remote Interface

    - Using the Left/Right Arrow button, a desired brightness level can be selected. Other functions are also available and can be viewed using the UIM by pressing the Up/Down arrow to the desired menu function as detailed below in section 1.0, then pressing the **(√)** button once a function has been selected. All of these functions are covered later in these instructions.
    - The **(X)** button on the UIM is a non-latching douse switch which, when pressed, will momentarily extinguish the light. Releasing the switch will allow the light to return to operation at its previous setting.

AC Power

JAB Hurricane lights operate on standard single phase AC power.

- Input voltage range: 100 – 240Vac
- Input frequency range: 50/60 Hz

Warning! Standard power cord supplied with JAB Hurricane light is intended to connect with standard, single-phase 110-120 Vac, 60 Hz USA circuit. An adaptor for use with 240Vac, 50Hz European circuits is also included. Other power cords or connectors to other countries' single phase circuits are available as options. No other special adjustments or changes are required for operation at international voltages.

Warning! Never connect JAB Hurricane series lights to anything other than a single-phase circuit. Connection to three-phase power can/will cause serious damage and/or bodily injury.

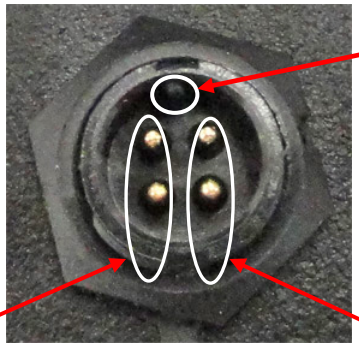
DC Power

As an alternative to standard AC operation, JAB Hurricane lights can also operate on 30Vdc (max) power provided by an external battery (not supplied).

- Operational Input DC voltage range: 22Vdc (min) – 30Vdc(max)
- Light will not function at DC voltage ranges above or below range shown above.

Warning! DC power connection from external battery (not supplied) must mate properly with four pin power connector on back of light module. Contact AAdyn Technology for further details or information.

Input Power Connector on Back, Bottom-Left of Control Box



Input Power Connector on Control Box**: Conxall #7382-4PG-300**

Mating Connector (not supplied): **Conxall #6382-4SG-321**

Note: When using DC power supplied by an external source or battery other than standard power supply (from factory) attached to JAB Hurricane light, care should be taken to make sure that power connections are made properly. Positive DC voltage is supplied to the Input connector on Pin #3 and Pin #4 in parallel. Negative DC voltage (ground) is supplied to the Input connector on Pin #1 and Pin #2 in parallel.

Control Selection

Control of the JAB Hurricane light is by one of three means of interface: Local, UIM or DMX.

Operation

Local Operation

In the Local Mode, the operation of the light is restricted to the controls on the light itself. The light can be turned on or off via the input power switch on the back of the light. In addition to this, the light can be momentarily extinguished by pressing the Douse button on the back of the unit. (Note: the Douse button functions in all modes of operation.) The manual brightness control knob on the back of the housing can be used to adjust the brightness of the light from full-off to full-on.

UIM Operation

In the UIM mode, the operation of the light is controlled by the User Interface Module (UIM). The functionality is as described below

Functional Requirements:

1.1. Mode Selector Switch

- The software shall monitor a switch input to determine if the light should be in DMX mode, Local Brightness and Color Temperature mode, or UIM mode. The switch may also be absent, if which case the UIM will need to be used to perform this function. This "LIGHT CONTROL" menu will only be present if the mode selector switch is not installed and in its place is a special jumper block that grounds the two inputs.

1.2. Local Mode (only applies to Hurricane model)

- This mode shall be active when the Mode Selector switch is set to Local Mode.
- The software shall monitor a potentiometer input for signal changes to indicate whether the user wishes to make the light dimmer or brighter. The software shall also monitor a potentiometer for signal changes to indicate whether the user wishes to mix the color temperature. The requirement to monitor the color temperature potentiometer shall apply only to the Hurricane Variable Light model.
- The BRIGHTNESS and COLOR TEMPERATURE controls shall be the only LED functions available when in Local Mode.
- All non-LED menu items on the UIM shall be working in Local Mode with the exception of POWER ON SETTING at power on.
- Cancel (X), (also called the Douse button), and the Douse Switch shall function in Local Mode.
- This mode shall have a built-in 250 millisecond fade when changing brightness to help smooth out the light transition.

1.3. DMX Mode

- This mode shall be active when the Mode Selector switch is set to DMX. Or when the UIM LIGHT CONTROL menu "DMX" option has been selected.
- The software shall allow only the DMX input to adjust the LED functions while in DMX Mode.

- All non-LED menu items on the UIM shall be working in DMX Mode with the exception of POWER ON SETTING at power on.
- The back panel Douse Switch and the UIM Douse Button shall function in DMX Mode.
- This mode shall not have any built-in fade when changing brightness.

1.4. UIM Mode

- This mode shall be active when the Mode Selector switch is set to UIM. Or when the UIM LIGHT CONTROL menu "UIM" option has been selected.
- The software shall allow only the UIM input to adjust the LED functions while in UIM Mode.
- The Douse Switch and the Douse Button shall function in UIM Mode.
- This mode shall have a built-in 250 millisecond fade when changing brightness to help smooth out the light transition.

1.5. Proprietary User Interface Module Requirements

- All functions in this section shall be available for use when the Mode Selector switch is set to UIM mode. Or when the UIM LIGHT CONTROL menu "UIM" option has been selected.
    - The software shall display a menu of parameters on the UIM controller. The parameters listed below shall be displayed in the order shown from top to bottom when the down key is pressed and shall default to UIM BRIGHTNESS. When the up key is pressed the order will proceed from LIGHT CONTROL to the bottom of the list, then upwards.

    - UIM BRIGHTNESS
    - UIM COLOR (Jab Variable model)
    - UIM FADE
    - UIM EFFECT SELECT
    - UIM EFFECT FREQUENCY
    - DMX BASE ADDRESS
    - DMX CHANNEL MODE
    - MODEL NAME / SOFTWARE VERSION / RECALIBRATION PT
    - POWER ON SETTING
    - SAVE CUSTOM
    - RECALL SETTING
    - LIGHT CONTROL (only if mode switch is absent)
- Under each parameter, the software shall present settings pertaining to the parameter for the user to select. The settings shall be:
    - BRIGHTNESS parameter:
        - Values from 0 to 100 percent that can be incremented or decremented in steps of 0.3, 0.7 and 1.0 on slow scroll. Medium and medium fast shall scroll by one and fast shall scroll by five.
        - Each setting value shall represent a brightness level where 0 percent is off and 100 percent is the maximum brightness of the light.
        - The change from one brightness value setting to another value shall be as smooth as possible. The built in smoothing delay shall be 250ms. If the BRIGHTNESS slider on a DMX board is taken from a positive value all the way to 0, the software shall not implement any delay unless FADE is non-zero and turn the light off immediately.
        - At power on, the factory default value of UIM BRIGHTNESS shall be set at 100%. If a power on profile is selected that brightness setting will be used. If there is no power on profile, the brightness will be the 'last used' level.
    - COLOR TEMP parameter (applies only to Jab Variable Light model):
        - Values from 0 to 100 percent that can be incremented or decremented in steps of 0.3, 0.7 and 1.0 on slow scroll. Medium and medium fast shall scroll by one and fast shall scroll by five.
        - Each setting value shall represent a light color temperature level where 0 percent is completely cool and 100 percent is the maximum warm setting of the light.

- At power on, the factory default value of UIM COLOR TEMP shall default to 50 percent. If a power on profile is selected that associated brightness level will be used, else the 'last used' brightness level will be used.

- FADE parameter:
  - Values from 0 to 100 percent that can be incremented or decremented in steps of 0.3, 0.7 and 1.0 on slow scroll. Medium and medium fast shall scroll by one and fast shall scroll by five.
  - Each setting value shall represent a delay in the increase or decrease of the BRIGHTNESS parameter.
  - 0 shall indicate that the BRIGHTNESS parameter change is to occur immediately and 100 percent shall introduce a three second delay in changing the current parameter value to the requested value.
  - At power on, the factory default value of UIM FADE shall default to 0 percent. If there is a power on profile, its associated FADE level shall be used, else the 'last used' value will be used.
- EFFECT SELECT parameter:
  - The software shall present individually thirteen choices for the EFFECT SELECT parameter:
    - NONE (OFF) – Turn off any current effect
    - STROBE,
    - LIGHTNING1 SGL,
    - LIGHTNING1 RPT,
    - LIGHTNING2 SGL,
    - LIGHTNING2 RPT,
    - LIGHTNING3 SGL,
    - LIGHTNING3 RPT,
    - LIGHTNING4 SGL,
    - LIGHTNING4 RPT,
    - LIGHTNING5 SGL,
    - LIGHTNING5 RPT,
    - LIGHTNING CYCL
    - The choice shall change by one each time a right or left arrow button is pressed.
  - STROBE shall make the LEDs emit pulses of light at a 30 percent on/70 percent off duty cycle and that are of a user designated frequency and brightness. These parameters are EFFECT FREQUENCY and BRIGHTNESS.
  - LIGHTNINGx SGL shall make the LEDs emit pulses of varied length and brightness based on internal parameters to simulate a lightning strike. SGL indicates that this sequence shall be shown only once per user request. The length and brightness components of lightning shall be defined in the software. There shall be five different sequences of lightning defined and designated by a number where the x is located.
  - LIGHTNINGx RPT shall make the LEDs emit pulses of varied length and brightness based on internal parameters to simulate a lightning strike. RPT indicates that this sequence shall be shown repeatedly, with each sequence separated by a two second off interval. The length and brightness components of lightning shall be defined in the software. The same five single sequences defined above shall be used for the repeat lightning.
  - LIGHTNING CYCL shall show each sequence in order with each sequence separated by a two second off interval. At the end of the fifth sequence, the process shall be repeated.
  - If a LIGHTNING effect has been started, it shall be completed even if the user disables effects during the sequence.
  - At power on, the factory default UIM EFFECT SELECT shall default to NONE(OFF). If there is a power on profile the effect associated with that profile will be used, else the 'last used' value will be used.
- EFFECT FREQUENCY parameter:

- Values from 0 to 100 percent that can be incremented or decremented in steps of 0.3, 0.7 and 1.0 on slow scroll. Medium and medium fast shall scroll by one and fast shall scroll by five.
- The power on default value of the UIM EFFECT FREQUENCY parameter shall be 75 percent. If a POWER ON SETTING has been selected, the EFFECT FREQUENCY shall be the value specified in that setting. If the POWER ON SETTING is turned OFF, the software shall use the 'last used' value'.
- Each setting value shall represent how quickly the lightning and strobe effects operate. Higher numbers represent a slower effect.

- RECALL SETTING parameter:
  - The software shall present individually fifteen choices to the user: PRESET1, PRESET2, PRESET3, and CUSTOM1 through CUSTOM12 changing the choice each time a right or left arrow button is pressed. The CUSTOM settings are described below.
  - The PRESET settings shall be hard coded into the software and not changeable by the user.
  - When the user presses the select (green check) button, the software shall set the BRIGHTNESS, FADE, EFFECT, EFFECT FREQUENCY, DMX Channel, DMX Channel Mode, and COLOR TEMP (if the light is a Jab Variable model) parameters with the saved settings from a CUSTOM or a PRESET, given the profile the user has chosen.
  - At power on, the RECALL SETTING that is displayed (but not selected) shall default to PRESET1 if there is no power on profile.
  - For all 3 Presets the FADE and EFFECT FREQUENCY shall be zero, and the effect shall be NONE. Also for all presets the DMX base address shall be 1 and the DMX Channel Mode shall be 6.
  - There shall be three factory presets for the Jab Variable light. For each, the BRIGHTNESS shall be 100%. Preset one shall set COLOR TEMP at 100%, Preset two shall set the COLOR TEMP at 45% and Preset three shall set the COLOR TEMP at 10%.
  - For the Jab Tungsten and Jab Daylight models the Color temp will always be 0%. Preset 1 will have 100% brightness, Preset 2 will have 45% brightness, and Preset 3 will have 25% brightness.
  - For all presets the DMX channel will be 1 and the Channel Mode will be 6.
- SAVE CUSTOM parameter:
  - The software shall present individually twelve choices to the user: CUSTOM1 through CUSTOM12 changing the choice each time the right or left arrow button is pressed.
  - When the custom setting is selected (green check button) by the user, the software shall save the BRIGHTNESS, FADE, EFFECT, EFFECT FREQUENCY, DMX Channel, DMX Channel Mode, and COLOR TEMP (if the light is a Jab Variable model) to non-volatile memory.
- POWER ON SETTING parameter:
  - The software shall individually present sixteen choices to the user: PRESET1, PRESET2, PRESET3, CUSTOM1 through CUSTOM12, and OFF changing the choice each time the right or left arrow button is pressed.
  - When the setting is selected by the user, the software shall save this choice to non-volatile memory.
  - When the light is powered on, the software shall check to see if there is a startup profile selected and set the BRIGHTNESS, FADE, EFFECT, EFFECT FREQUENCY and COLOR TEMP (if the light is a Jab Variable model) parameters with the saved settings from the profile.
  - If no power on default is selected when the light is powered up in UIM control mode the firmware shall restore BRIGHTNESS, FADE, EFFECT, EFFECT FREQUENCY and COLOR TEMP (if the light is a Jab Variable model) settings that were saved from the last time the light was used These settings shall be automatically saved every two seconds if any have changed since the last check.

        - At power on, POWER ON SETTING shall default to OFF if there is no power on profile.
    - MODEL NAME parameter:
        - Each model shall have its name displayed on the UIM MODEL NAME screen.
        - The name shall be one of the following: JAB DAYLIGHT, JAB TUNGSTEN or JAB VARIABLE, depending on which model is being built.
    - RECALIBRATION PT parameter:
        - The software shall start at 25000 hours and count down to zero and then count negatively if necessary to let the user know it is time to have the LED's replaced. The time shall count down based on hours of continuous use at a particular brightness setting.
    - SOFTWARE VERSION parameter:
        - The software shall maintain and display the software version.
        - It shall be in the form: MajorVersion.MinorVersion.Build
    - DMX BASE ADDRESS parameter:
        - This parameter shall range between 1 and 512. It shall represent the DMX address on the network that is used to address the light.
    - DMX CHANNEL MODE
        - There shall be three modes of operation when the light is under DMX control. These modes are called: 2 CHANNEL, 3 CHANNEL, and 6 CHANNEL mode. In all modes the first slider controls brightness. In 2 channel mode the second slider controls color temperature for the Jab Variable model, and has no effect on the other two models. The third slider controls fade in 3 and 6 channel modes. In 6 channel mode slider 4 controls effect selection, 5 controls effect frequency, and slider 6 controls effect activation.
        - The factory default for the DMX CHANNEL MODE shall be 6 CHANNELS mode.
    - LIGHT CONTROL (Only applies to Jab models)
        - There shall be two control modes of operation when the Mode Select switch is absent. These modes are called: UIM and DMX. In UIM mode the UIM controls all light functions. In DMX mode the DMX interface controls all light functions.
        - The factory default for the LIGHT CONTROL shall be UIM.

- The software shall implement medium, medium fast and fast scroll where noted. If the Right or Left Arrow button is held down for one half second, the values shall be medium scrolled on the display. If the Arrow button is held down for two seconds the values shall be medium fast scrolled on the display. If the Arrow button is held down for six seconds the values shall be fast scrolled by five on the display.

- The software shall make sure that the LED's are powered by the slave PWM processor based on default settings and/or any saved profile described under POWER ON SETTING before detecting the presence of a UIM (User Interface Module).

- If a UIM cannot be detected at light startup, the software shall transmit the AADYN TECHNOLOGY splash screen and check again next time through the main loop. If a UIM is attached after startup, the software shall display the BRIGHTNESS screen after a five (5) second delay with the splash screen being shown.

- If the UIM is removed after startup, the software shall maintain the current settings. If the UIM is reattached later, the splash screen shall show again and any value in the buffer shall be processed. The software shall retain the menu state after the UIM is unplugged and, if the UIM is reattached, the splash screen shall show again until any button is pressed. If a benign button is pressed, then the previous menu shall be displayed; otherwise, the button shall be acted upon and the display shall be updated appropriately.

- The backlight of the UIM shall be tuned off if the user does not press any button for a period of two minutes. The next subsequent button press shall only turn the backlight on with no additional action being taken. This includes the UIM douse button.

1.6. Douse Switch/Douse Button

- The software shall monitor an I/O pin to determine if a momentary switch connected to the light has been pressed and shall turn off the light for the duration of the switch press.
- Upon release, the software shall allow the light to return to its currently set brightness level if the Cancel button on the UIM is not pressed.
- The software shall separately detect and process a press and release of the red Cancel (X) button from the UIM. On Cancel button press, the software shall turn off the LED's immediately. On Cancel button release, the software shall turn on the LED's immediately if the Douse switch is not being pressed.

1.7. DMX Controller Interface Requirements

- The software shall accept input from the DMX512 controller that represents user requested values for BRIGHTNESS, COLOR TEMP (if light model is a Jab Variable), FADE, EFFECT, EFFECT FREQUENCY and EFFECT ACTIVATION.
- The DMX input to the light is mapped as follows:

Channel 1:
Brightness: 0 – 255

Channel 2:
Color Temperature: 0 – 255

Channel 3:
Fade: 0 – 255

Channel 4: Effects:
0: No Effect Selected
1 – 40: Lightning 1 Selected
41 – 80: Lightning 2 Selected
81 – 120: Lightning 3 Selected
121 – 160: Lightning 4 Selected
161 – 200: Lightning 5 Selected
201 – 255: Strobe Selected

Channel 5:
Effect Frequency: 0 – 255

Channel 6: Effect Activation
0: Effect Deactivated
1 – 255: Effect Activated

Technical Information

General Maintenance and Care

This light is intended for indoor or outdoor use. When not in use, the light should be stored in a generally dry and dust free area. General maintenance and care consists of making sure that the light always has good ventilation and that nothing is obstructing free air flow through and around the light. Do not use chemicals to clean light. Any cleaning of the light, especially the LED optics should be with a damp, not wet, soft cloth that is non-abrasive.

Limited Warranty

AADYN TECHNOLOGY, LLC
LIMITED WARRANTY

AAdyn Technology, LLC ("AAdynTech") products are covered by a limited warranty against manufacturing defects for two (2) years from the date of purchase by the original purchaser. AAdynTech's liability is limited, at AAdynTech's option, 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. AAdynTech reserves the right to determine whether the AAdynTech product 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. AAdynTech 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. Components not manufactured by AAdynTech are subject to the warranty or guarantee set forth by the manufacturer thereof, and then only to the extent AAdynTech is able to enforce the warranty or guarantee.

In order to make a warranty claim, you must notify AAdynTech in writing within sixty (60) days after your discovery of the defect, obtain from AAdynTech an RMA, then provide proof of purchase, such as the invoice, and promptly return the product to AAdynTech or its authorized service provider, freight prepaid.

THE FOREGOING WARRANTY PROVISIONS ARE EXCLUSIVE AND ARE GIVEN AND ACCEPTED IN LIEU OF ANY AND ALL OTHER WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTY AGAINST INFRINGEMENT AND ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

IN NO EVENT SHALL AADYNTECH BE LIABLE FOR INCIDENTAL, COMPENSATORY, CONSEQUENTIAL, DIRECT, SPECIAL OR OTHER DAMAGES. AADYNTECH'S AGGREGATE LIABILITY WITH RESPECT TO A DEFECTIVE PRODUCT SHALL IN ANY EVENT BE LIMITED TO THE REPAIR OR REPLACEMENT OF THAT DEFECTIVE PRODUCT OR, AT AADYNTECH'S OPTION, THE REIMBURSEMENT OF THE PURCHASE PRICE THEREFOR.

This warranty is effective for purchases of AAdynTech's product on or after the effective date set forth below. AAdynTech reserves the right to modify this warranty from time to time. Any modification of this warranty shall be effective for all orders placed with AAdynTech on or after the effective date of such revised warranty.

Effective Date: November 11, 2014

All prices and specifications are subject to change without notice.

Contact Us

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Jab Hurricane

No Diffuser	@ 5 Feet	@ 10 Feet	@ 15 Feet
Lux	83,520	25,410	11,560
Ft. Candles	7,759	2,360	1,073

5° Diffuser	@ 5 Feet	@ 10 Feet	@ 15 Feet
Lux	59,340	17,930	8,050
Ft. Candles	5,512	1,665	747

15° Diffuser	@ 5 Feet	@ 10 Feet	@ 15 Feet
Lux	43,330	12,710	5,740
Ft. Candles	4,025	1,180	533

30° Diffuser	@ 5 Feet	@ 10 Feet	@ 15 Feet
Lux	15,890	4,460	2,020
Ft. Candles	1,476	414	188

55° Diffuser	@ 5 Feet	@ 10 Feet	@ 15 Feet
Lux	5,995	1,415	690
Ft. Candles	557	131	64

Dimensions		
Length	339.0 mm	13.3 in
Width	326.5 mm	12.9 in
Height	554.9 mm	21.8 in
Weight	8.9 kg	19.5 lbs