X SERIES

KIND LED GROW LIGHTS

USER MANUAL

WELCOME TO THE FAMILY

Thank you for your purchase! We're committed to providing you with the highest quality grow lights and customer service. If you have any questions or suggestions, our customer service team is ready to help.

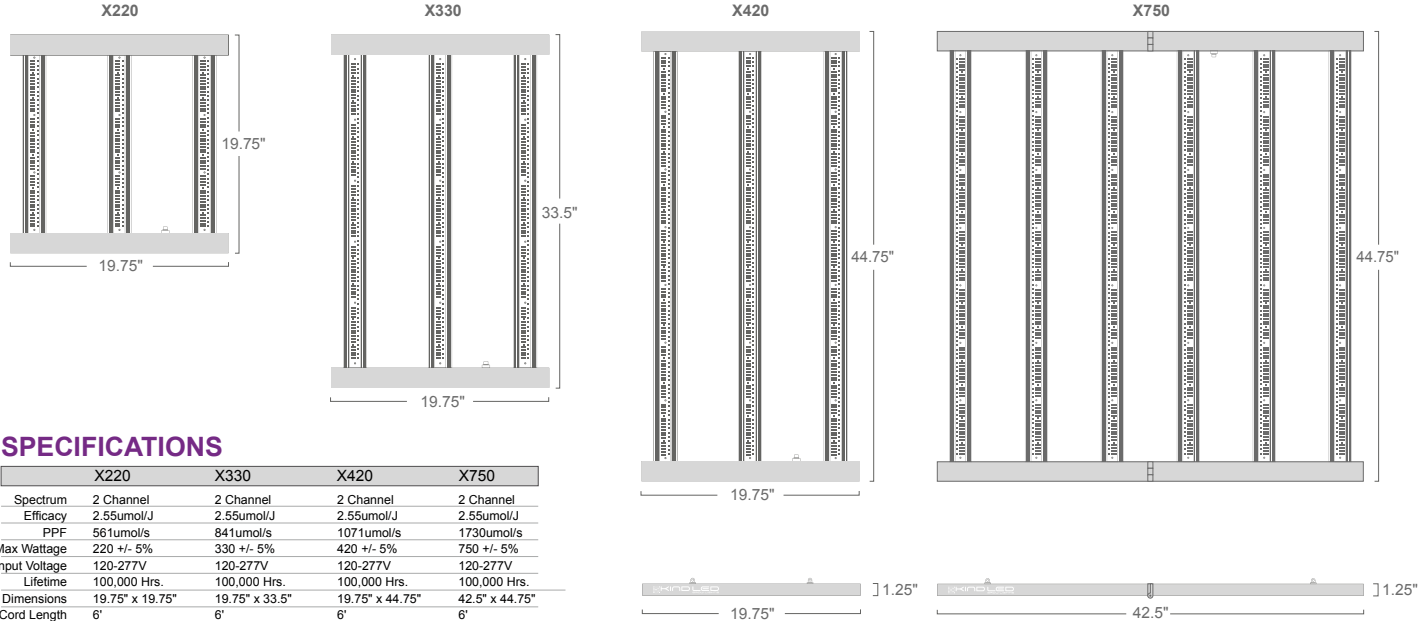**X750 DRIVER INSTALLATION VIDEO**

GROW STRONG SUPPORT   **PH:** 1-855-448-4769   **WEB:** support.growstrongindustries.com

TABLE OF CONTENTS

OVERVIEW

X220

X330

X420

X750

19.75"

19.75"

33.5"

19.75"

44.75"

19.75"

44.75"

19.75"

1.25"

19.75"

42.5"

1.25"

SPECIFICATIONS

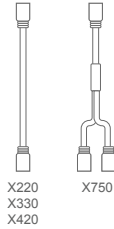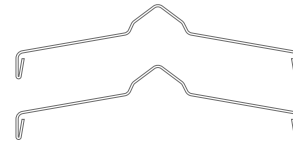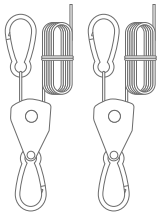|	X220	X330	X420	X750
Spectrum	2 Channel	2 Channel	2 Channel	2 Channel
Efficacy	2.55umol/J	2.55umol/J	2.55umol/J	2.55umol/J
PPF	561umol/s	841umol/s	1071umol/s	1730umol/s
Max Wattage	220 +/- 5%	330 +/- 5%	420 +/- 5%	750 +/- 5%
Input Voltage	120-277V	120-277V	120-277V	120-277V
Lifetime	100,000 Hrs.	100,000 Hrs.	100,000 Hrs.	100,000 Hrs.
Dimensions	19.75" x 19.75"	19.75" x 33.5"	19.75" x 44.75"	42.5" x 44.75"
Cord Length	6'	6'	6'	6'
RMH	+/- 12"	+/- 12"	+/- 12"	+/- 12"
Warranty	5 Year	5 Year	5 Year	5 Year
Certifications	FCC, ETL	FCC, ETL	FCC, ETL	FCC, ETL

COMPONENTS
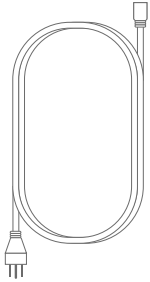
6' 120V
POWER CORD
(1)
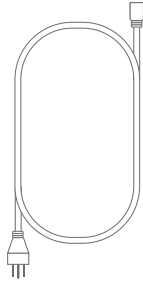
4' DC OUTPUT
POWER CORD
(REMOTE DRIVER MOUNTING
X220, X330, & X420 ONLY)
(1)

X220
X330
X420

X750
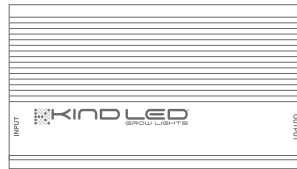
6" DC OUTPUT
POWER CORD
(INSTALLED
X220, X330, & X420 ONLY
(1)

WIRE
HANGER
(X220, X330, & X420 ONLY)
(2)

YO YO
RATCHET HANGER
(X750 COMES WITH 4)
(2)

RJ-14
DATA CABLE
(LIGHT TO CONTROLLER)
(1)

INPUT   KIND LED
GROW LIGHTS   OUTPUT

DRIVER
(INSTALLED
X220, X330, & X420 ONLY)
(1)

SET UP

1

The X220, X330, & X420 X SERIES come fully assembled, ready to grow. Unpackage the fixture and place the light on a safe and stable area directly below the desired hanging location.

> **CAUTION: The LED boards have a conformal coating to resist moisture, but are vulnerable to diode damage if handled improperly. Please make sure LED surfaces are protected from abrasion while handling.**

2 *For X750 Only. If you plan on mounting the driver romotely, with the optional 8' DC power cord, skip this step.*
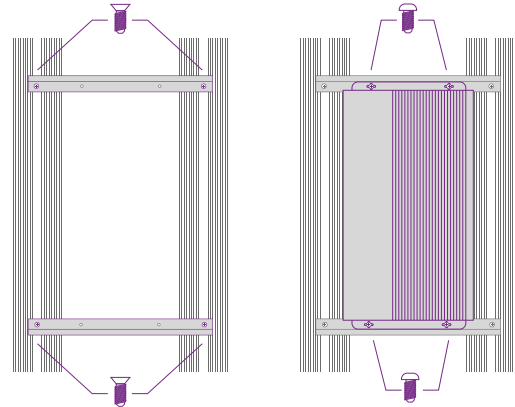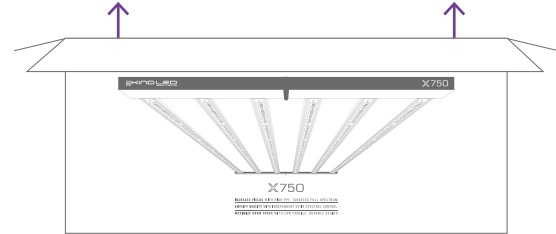
Locate the driver mounting brackets and use the flat head screws to attach the brackets to the fixture. Mount the driver to the brackets using round head screws.

Flat head screw - Bracket to fixture

Round head screw - Driver to bracket

SET UP

3 *For X750 Only. If you plan on mounting the driver romotely, with the optional 8' DC power cord, skip this step.*

Attach the DC output power cord from the driver to the two connections on the fixture.

4 *The X750 does not use wire hangers. Attach the ratchet hangers directly to the eyelets*

Attach one wire hanger to each end of the light fixture through the metal mounting eyelets found on the top side of the fixture.

Lower the ratchet hangers to the center of the wire hanger and connect. Raise the light to the desired position.

Ratchet hanger

Wire hanger

Eyelet

Eyelet
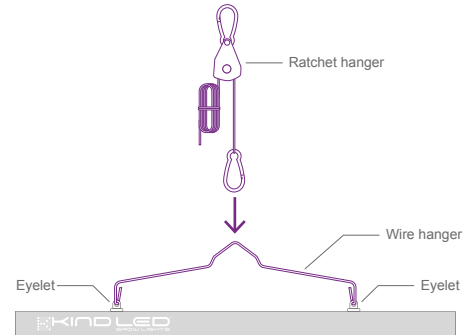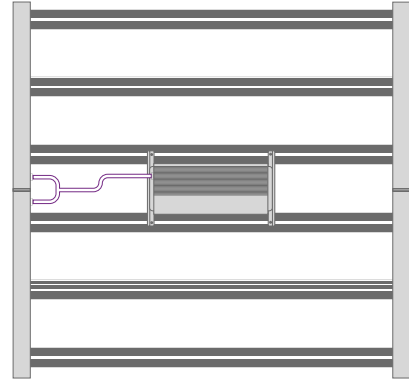
KIND LED

POWER CORDS & CABLES

POWER CORDS

The KIND LED X SERIES X220, X330, & X420 come with a 6', 120 V standard power cord, as well as a 6" (installed) and 3' DC output cord (not included in the X750). An 8' DC output cord for the X750 can be purchased at growstrongindtusties.com. For alternative power cord recommendations, please contact a KIND LED Grow Lights customer service representative to assist in your selection.

DRIVER

The driver for the KIND LED X SERIES is capable of being mounted remotely. First, disconnect the original DC output cord from the fixture and the driver. Remove the four (4) mounting screws with a Phillips-head screwdriver. Securely mount the driver in its new location (within 3' for X220, X330, X420, & with in 8' for X750) and connect the extended DC output cord to both the fixture and the driver.

6' 120V standard power cord

Extended DC output power cord

X Series driver
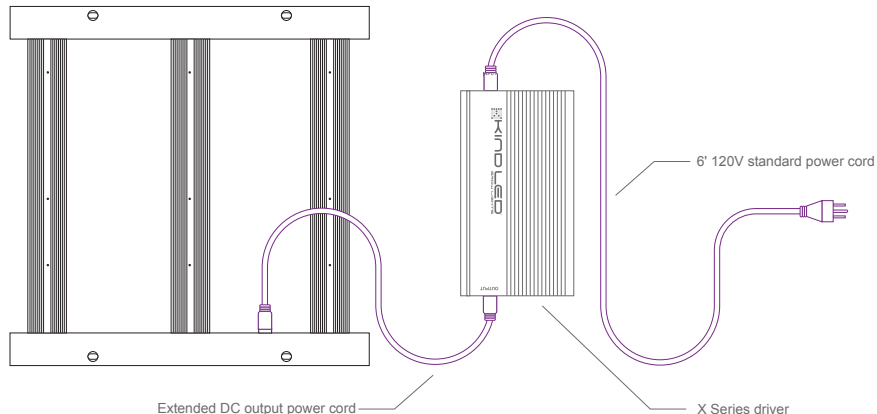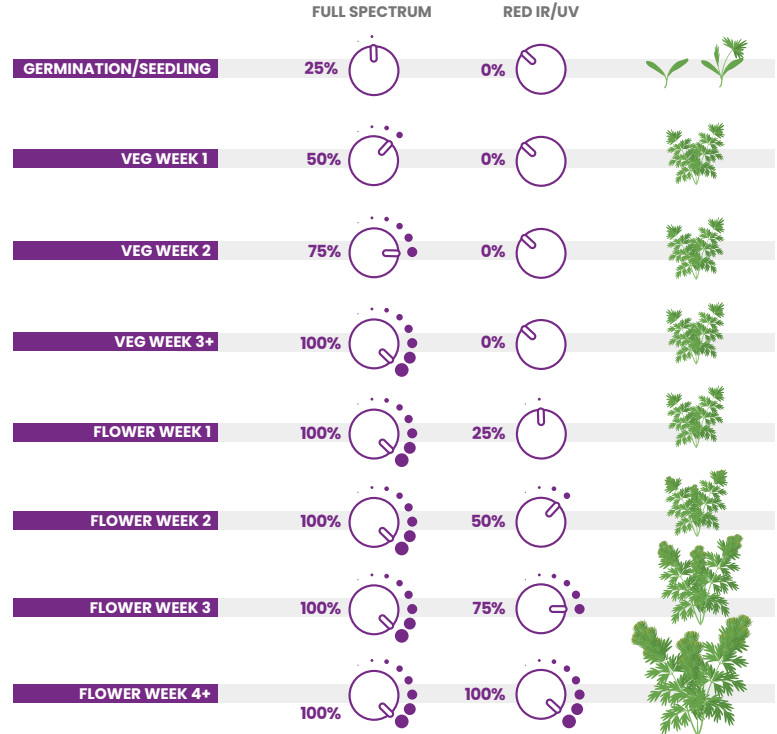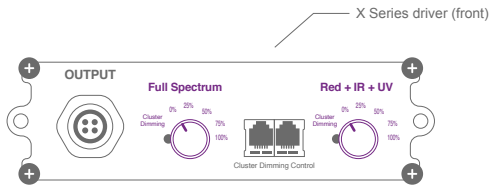
BEST PRACTICES

SPECTRUM ADJUSTMENT

The spectrum and intensity of the light can be manually controlled through the rotary dials on the front of the driver.

Channel 1 is a targeted full spectrum channel and should always be on. Intensity of this channel will vary for clones, seedlings, and younger plants.

Channel 2 contains the IR and UV, as well as some additional deep reds, for an enhanced flowering spectrum.

Please see the chart for recommended intensity levels.

X Series driver (front)

OUTPUT — Full Spectrum — Red + IR + UV — Cluster Dimming Control

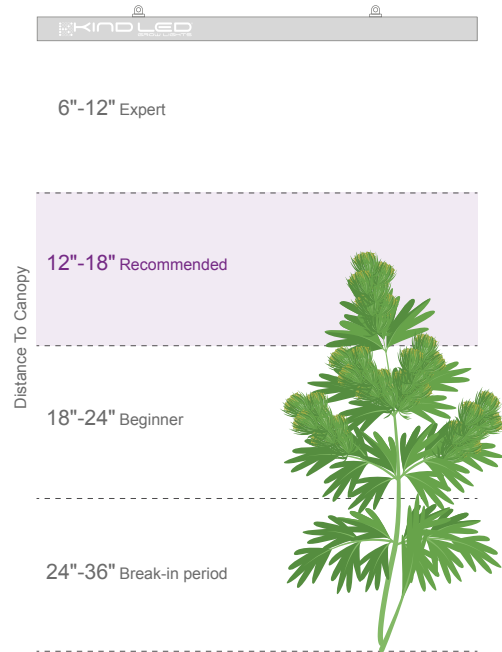|	FULL SPECTRUM	RED IR/UV	
GERMINATION/SEEDLING	25%	0%	
VEG WEEK 1	50%	0%	
VEG WEEK 2	75%	0%	
VEG WEEK 3+	100%	0%	
FLOWER WEEK 1	100%	25%	
FLOWER WEEK 2	100%	50%	
FLOWER WEEK 3	100%	75%	
FLOWER WEEK 4+	100%	100%	

BEST PRACTICES

ENVIRONMENT
When using the KIND LED X SERIES, ideal grow room temps should be around 80-85°F. Any lower than this and transpiration can slow, stunting growth. Any hotter than this and heat stress can form.

> **NOTE: High PPFD growing conditions require high levels of attention to detail including proper feeding and CO2 augmentation. For more information, please visit kindledgrowlights.com**

RECOMMENDED HANGING HEIGHT
The KIND LED X SERIES is designed to excel in close proximity environments but can be used in a variety of applications. For best practices, a minimum height of 6" above the canopy is recommended. The ideal recommended hang height above canopy is 12" to maintain the greatest intensity over the largest footprint. To maintain usable intensity at a greater distance, a maximum hang height of 18" above the canopy is recommended. For applications that require less intensity, such as Cloning Stages and early Vegetative Stages, a hang height greater than 18" above canopy may be suitable.

KIND LED

6"-12" Expert

12"-18" Recommended

Distance To Canopy

18"-24" Beginner

24"-36" Break-in period

9

YOU'RE READY TO GROW STRONG _____

For more information on this fixture and all available options, contact a KIND LED Grow Lights customer service representative at kindledgrowlights.com or call (855) 448-4769.

WE WANT TO SEE YOUR GROW!
FOLLOW & TAG US ON INSTAGRAM:
@kindledgrowlights   #kindledgrowlights

LEARN MORE ABOUT THIS LIGHT
& OTHER PRODUCTS:
growstrongindustries.com

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INDUSTRIES

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GROWING FOOD

& PLANT MEDICINE

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