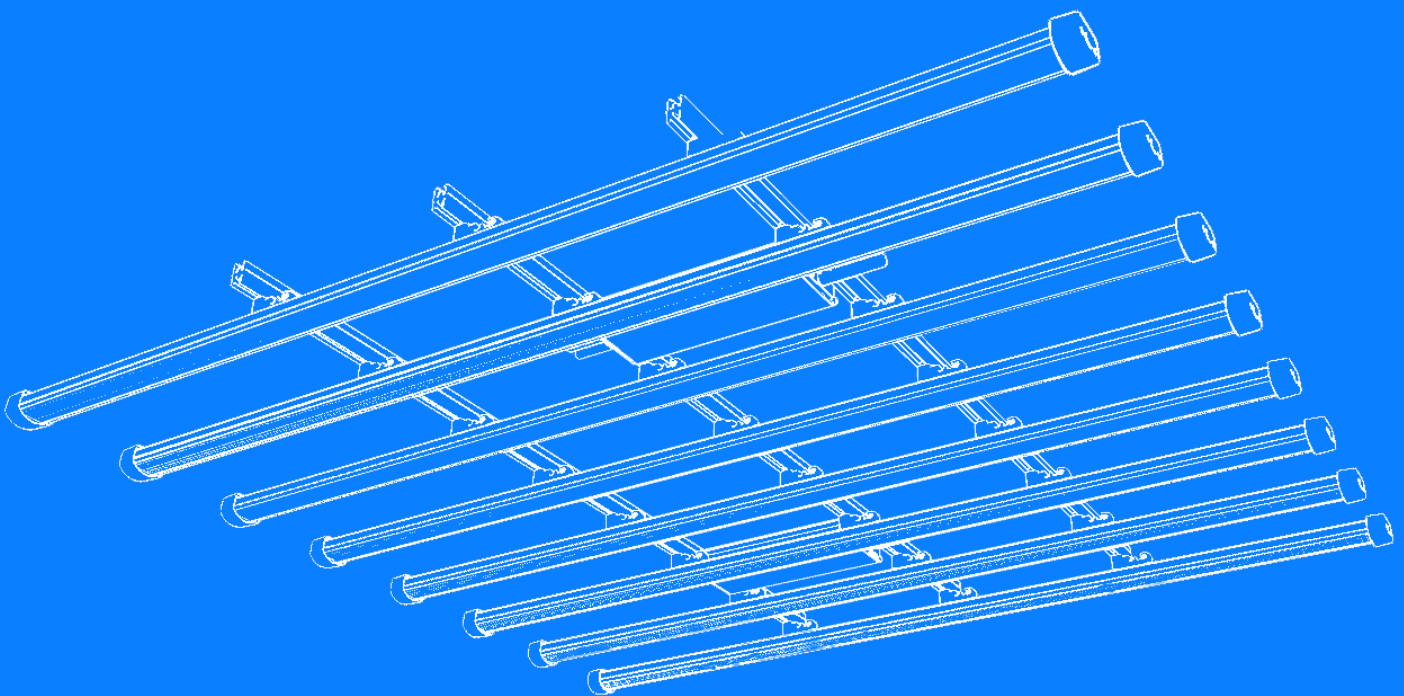


Elevate Series

Horticulture Luminaires

/ Installation Manual





**DISCONNECT POWER AT THE CIRCUIT BREAKER WHEN INSTALLING,
ADJUSTING or CLEANING LIGHTS**
Do NOT turn on Power Until All Input & Output Cables Have Been Connected.



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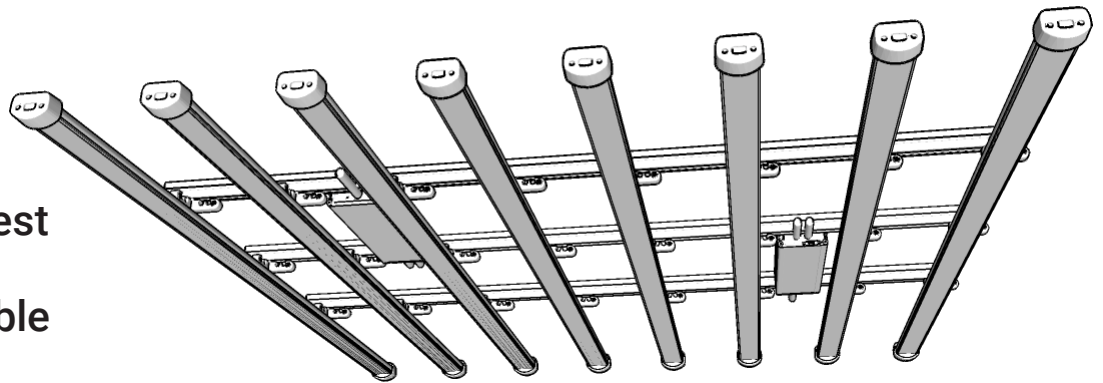
FOREIGN LANGUAGES

In the event that you are reading this manual in a language other than the English language, you acknowledge and agree that the English language version shall prevail in case of inconsistency or contradiction in interpretation or translation.

Elevate

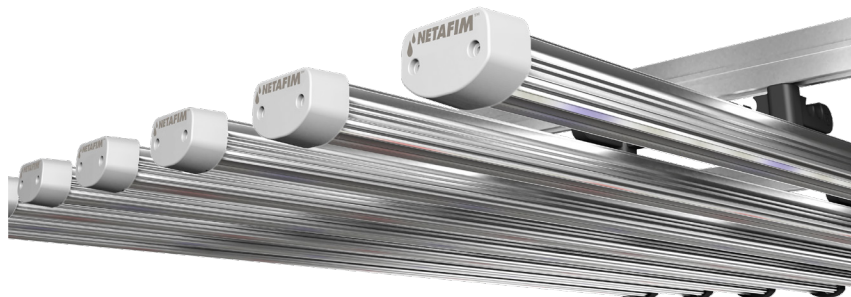
Horticulture Luminaires

Elevate yield and other crop characteristics with the industry's highest performing spectrally tunable grow light.



Specs & Recommendations

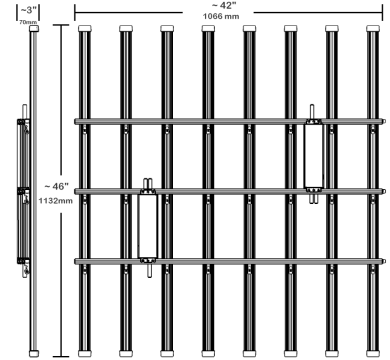
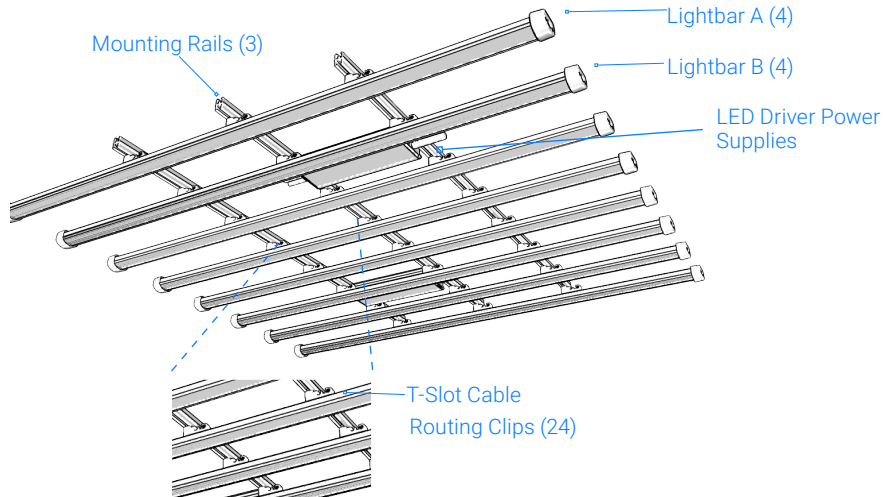
- Industrial UL Class P programmable power supplies
- Input Voltage: 90~305Vac (480Vac available – contact manufacturer)
- High Efficiency Industrial LED Driver: ~ 93%
- Built-in Active PFC Function > 98% / Full load
- Dimming Function: 0.5V-10V, with Dim-to-Off capability
- Reliability Protection: OVP, SCP, OTP, and 10KV Surge Protection
- Safety Regulation: UL8750, UL8800 & EN61347, DLC
- Waterproof Rating: LED Power Supplies, Lightbars and Connectors: IP66



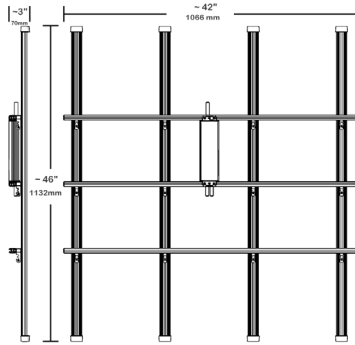
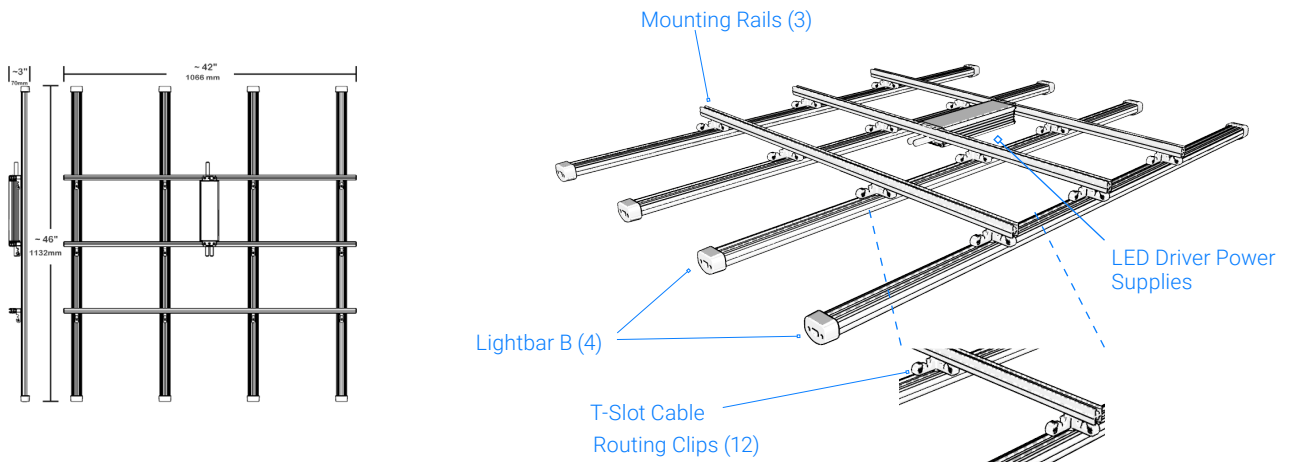
Getting Started

PARTS & ACCESSORIES

Elevate 8F



Elevate 4V



Accessories

Integrated Zhaga Connector (2)



PN: ZGA1

Fixture Mounting Cables/Rachets (4)



PN: YYR2

DC Cable 1-to-5 Splitter (2)



PN: DC-5

AC Cable + Plug NEMA 6-15P (standard)



PN: ACN6-15P

Preparation

1. Unpack, count, and confirm all parts per packing slip.
2. Identify and confirm main power voltage and receptacle type.
3. Ensure lightbars are mounted in the correct quantity and position on the mounting rails.
4. Connect female (output) end of DC splitters to male (input) cable of appropriate lightbars.

IMPORTANT: Typically group every other lightbar on one splitter, such that Spectrum 'A' bars in positions 1, 3, 5, 7, and 9 on the mounting rails will all connect to Power Supply 'A' via one of the 1-to-5 splitters; while Spectrum 'B' light bars in positions 2, 4, 6, 8, and 10 will connect to the other Power Supply 'B' via the other 1-to-5 splitter.

Mounting of Elevate Grow Lights

1. Identify suitable structure from which to suspend Elevate lights above the grow area
2. Position and tighten four (4) eyebolts at balanced, symmetrical locations along the mounting rails (2 eyebolts per rail)
3. Move Elevate grow light into position under the intended mounting structure with the LED light bars facing downward --- being careful not to damage LED chips on underside of lights
4. (For Remote Mounting of Power Supplies, skip this step): Place bracket-mounted LED Power Supplies in the center of the back side of the Elevate grow light. Allow the downward edge of the "L" bracket to set into any of the narrow channels on the back side of the nearest light bar
5. Connect the DC output cables of the power supplies to the 1-to-5 splitter input ends
6. Connect AC input power cables to the power supply input cables
7. Connect suspension cables or yoyo ratchets (4) to eyebolts from step #2
8. Connect opposite ends of suspension cables or yoyo ratchets (4) to each respective mounting structure
9. Raise grow light into position to desired height.

BEST PRACTICE RECOMMENDATION:

Maintain ~6" – 14" height above canopy for flowering; Maintain 12" – 30" height above canopy for vegetative stage

Mounting of Power Supplies (Remote Option)

1. Select appropriate location for mounting of LED Driver Power Supply chassis/bracket.
2. Ensure that Power Supply DC output cable is within reach of lightbar 1-to-5 splitter cable input.
3. Affix LED Driver Power Supply chassis/bracket.
4. Attach Power Supply DC output cable to lightbar 1-to-5 splitter cable input. Connect AC input power cables to the power supply input cables

Manual / 3rd Party Dimmers

A standard commercial 0-10V dimming control may be used to manually control the Elevate power supplies via the Netafim Power Supply purple (dim+) and gray (dim-) control leads. {Note that pending NEC wire color codes will necessitate transition from gray to pink on the (dim-) lead.} Manual dimming controls will generally make it difficult to identify and repeat a given dim level or spectrum mix.

Bluetooth Spectrum Control & Dimming

If your Elevate Grow Light order includes Bluetooth dimming, your LED driver power supply chassis may come pre-wired to the Bluetooth controller. Each independent spectrum channel will include: purple (dim+) and gray (dim-) control wire connections.

Additionally, one driver or low voltage supply will provide 12VDC+ auxiliary power to the Bluetooth controller.

TruBlu™ Mesh Solutions

McWong's TruBlu™ is a comprehensive and flexible SIGqualified Bluetooth Mesh lighting control solution of intelligent hardware devices and commissioning tools powered by Silvair. Hardware choices include a wide variety of occupancy and motion sensors, wireless switches, dimming power packs, and fixture controllers to meet customers' specific connected lighting control needs and requirements.



TruBlu™ Mesh Sensors



TruBlu™ Mesh Controllers



TruBlu™ Mesh Switches



TruBlu™ Commissioning Tools



TruBlu™ Getaway



TruBlu™ Integrated Fixtures



Care

CLEANING / MAINTENANCE & PRODUCT GUARANTEES



Care & Cleaning

Elevate's LED surface may be cleaned periodically as needed using one or more of the following methods:

1. Disconnect power at the circuit breaker and ensure power remains off throughout any cleaning or service
2. Compressed air may be used to clean all parts of the luminaire, including the LED face.
3. Take care to avoid scratching the surface of the LEDs.
4. Anti-scratch microfiber cloth may be used in case compressed air is insufficient.
5. Take care to avoid scratching the surface of the LEDs.



Maintenance

1. Disconnect power at the circuit breaker and ensure power remains off throughout any maintenance or service.
2. To replace LED driver power supplies, ensure that the proper voltage and current ratings are maintained
3. Disconnect and remove old power supply; Follow instructions on Page 4 for Mounting of Power supply.
4. To replace LED light bars, ensure that all light bars powered by a given power supply have identical current and voltage ratings.

****Do not mix light bars of different spectra / different voltages on a shared power supply. ****

****To avoid damage to light bars, ensure that all five (5) light bars are connected to the power supply PRIOR to turning on power to the system.****


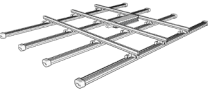
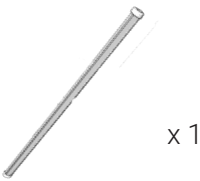
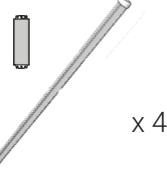


Warranty / Product Guarantee

Netafim, Inc. is committed to the success of our grower partners. We strive together with our customers for 100% satisfaction. If anything in your order is wrong, we will make it right. We back this commitment with a five-year warranty on all Netafim light bars and Power Supplies.

CONTACT THE SERVICE TEAM FOR ADDITIONAL SUPPORT:
support@netafimlighting.com

Grow Lights

Product	Description	Units	Part No.	Component Details
Vertical Flower Grow Light 	8-Bar High Performance Spectrum Tunable Bloom Light	16 units/pallet	Elevate-8F	Fully assembled; Ready to mount; See included accessories below
Vertical Vegetative Grow Light 	4-Bar High Performance Veg Light	16 units/pallet	Elevate-4V	Fully assembled; Ready to mount; See included accessories below
Subcanopy Grow Light 	Subcanopy Fixture (Single Bar Only)	8 units/count	SC1	Light bar and protective cover only
Subcanopy Grow Light 	Subcanopy Fixture (4 Bar w/ Driver and cords)	16 units/pallet	SC4PLUS	Order AC and DC cables separately

Grow Light Accessories

Type	Part No.	Description	Included Elevate-8F	Included Elevate-4V
AC Power Cabling	AC4D	AC Daisy Chain (4 Light)		
AC Power Cabling	ACWJ	AC Quick Connect to Flying Leads (1 Light)		
AC Power Cabling	ACEX10	AC Extension (10' cable)		
AC Power Cabling	ACTC	AC Quick Connect Tee	1	1
AC Power Cabling	ACN6-15P	AC Cable and Plug NEMA 6-15P	1	1
DC Control Cabling	DC-5	DC 1-to-5 Splitter	2	1
DC Control Cabling	DCex10	DC Extension (10' cable)		
DC Control Cabling	DS5	DC Daisy Chain (2-Pin) (4 Driver)		
DC Control Cabling	FLS	Mini Quick Connect to Flying Leads	1	1
DC Control Cabling	ZGA1	Integrated Zhaga Connector (for DC Control)	2	1
Mounting	YYR2	Nylon mountring rope ratchets (2 pc pack)	2	2
Controls	SPTRUWIFI	SpecTru Spectral Sensor w/ Wifi		
Controls	BLETDL	Bluetooth Adapter for up to 40 Drivers		
Controls	MAN10	Rotary Manual (0-10) Dimmer		

