

# USER & INSTALLATION GUIDE

## VYPR DUO 3x2 GLOBAL



### THANK YOU FOR CHOOSING FLUENCE!

Please confirm that all hardware and accessories received are correct for your VYPR application before you begin the installation.

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# 1. SYSTEM HARDWARE AND ACCESSORIES

## 1.1 Light fixture and Power Supply

### SKU MATRIX FOR LIGHT FIXTURE AND POWER SUPPLY AMERICAS

FAMILY	MODEL	PhysioSpec™ SPECTRUM			INPUT VOLTAGE	PACKAGING
<b>VR</b> VYPR	<b>3X2</b> Gen 3 X DUO	<b>BW3</b> BROAD R3 (Greenhouse) <b>BW4</b> BROAD R4 (Indoor) <b>BP6</b> BROAD R6 <b>BP8</b> BROAD R8 <b>HR9</b> DUAL R9B High Efficacy <b>DR9</b> DUAL R9B <b>DR5</b> DUAL R5B (Antho)			<b>LVG</b> 120-277 V AC <b>HVG</b> 347-480 V AC	<b>B</b> Bulk Pack <b>S</b> Single Pack
PhysioSpec™ SPECTRUM	SKU Abbreviation	Part Number Light Fixture	DC Current	Part Number - Power Supply		
				PSU2 LVG 600 W 120-277 V AC	PSU2 HVG 600 W 347-480 V AC	
<b>BROAD R3 (Greenhouse)</b>	VR-3X2-BW3	10542	11.7 A	71530	71537	
<b>BROAD R4 (Indoor)</b>	VR-3X2-BW4	10543				
<b>BROAD R6</b>	VR-3X2-BP6	10519				
<b>BROAD R8</b>	VR-3X2-BP8	10518	11.4 A	10506	10509	
<b>DUAL R9B High Efficacy</b>	VR-3X2-HR9	10533				
<b>DUAL R9B</b>	VR-3X2-DR9	10517				
<b>DUAL R5B (Antho)</b>	VR-3X2-DR5	10530				

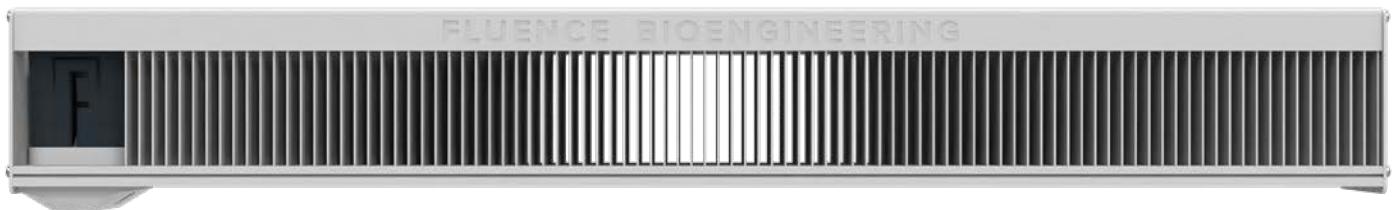
### SKU MATRIX FOR LIGHT FIXTURE AND POWER SUPPLY EUROPE

FAMILY	MODEL	PhysioSpec™ SPECTRUM			INPUT VOLTAGE	PACKAGING
<b>VR</b> VYPR	<b>3X2</b> Gen 3 X DUO	<b>BW3</b> BROAD R3 <b>BW4</b> BROAD R4 <b>BP6</b> BROAD R6 <b>BP8</b> BROAD R8 <b>HR9</b> DUAL R9B High Efficacy <b>DR9</b> DUAL R9B <b>DR5</b> DUAL R5B (Antho)			<b>LVG</b> 230 V AC <b>HVE</b> 400 V AC	<b>B</b> Bulk Pack <b>S</b> Single Pack
PhysioSpec™ SPECTRUM	SKU Abbreviation	Part Number Light Fixture	DC Current	Part Number - Power Supply		
				PSU2 LVG 600 W 230 V AC	PSU2 HVE 600 W 400 V AC	
<b>BROAD R3</b>	VR-3X-BW3	10542	11,7 A	71530	71533	
<b>BROAD R4</b>	VR-3X-BW4	10543				
<b>BROAD R6</b>	VR-3X-BP6	10519				
<b>BROAD R8</b>	VR-3X-BP8	10518	11,4 A	10506	10507	
<b>DUAL R9B High Efficacy</b>	VR-3X-HR9	10533				
<b>DUAL R9B</b>	VR-3X-DR9	10517				
<b>DUAL R5B (Antho)</b>	VR-3X-DR5	10530				

## SYSTEM HARDWARE

**A** VYPR 3X Light Fixture (2 included)

**A**



**B**

**B** PSU2 Power Supplies

**B1** PSU2 LVG 600W 120-277 V AC

**B2** PSU2 HVG 600W 347-480 V AC

**B3** PSU2 HVE 600W 400 V AC



**B1**

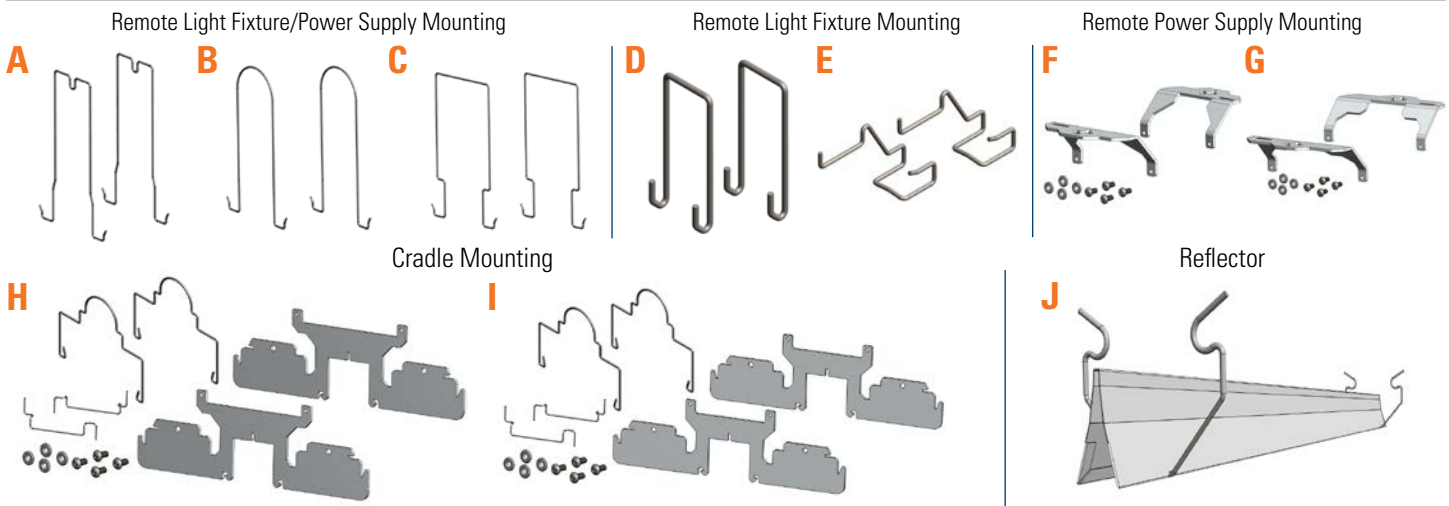
**B2**

**B3**

# 1. SYSTEM HARDWARE AND ACCESSORIES

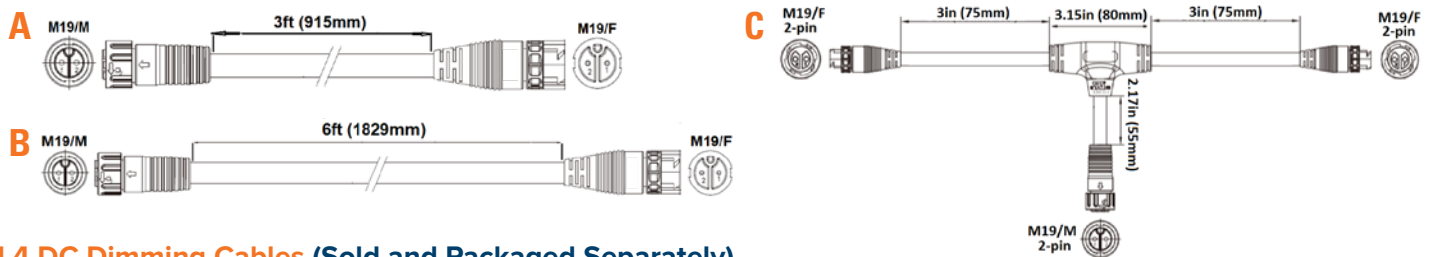
## 1.2 Mounting Hardware (Sold and Packaged Separately)

MOUNTING HARDWARE		Quantity per VYPR 3X2	Power Supply PSU2 LVG 600W 120-277 V AC	Power Supply PSU2 HVG 600W 347-480 V AC	Power Supply PSU2 HVE 600W 400 V AC	Ordering Code	QTY/ Carton
<b>A</b>	Unistrut Wire Hanger (unistrut width ≤ 1-5/8" / 45 mm)	2 Kits	1 Kit	1 Kit	1 Kit	<b>AMV2-10120-20</b>	20 Kits
<b>B</b>	Pipe Wire Hanger (Pipe diameter ≤ 1-3/4" / 45 mm)	2 Kits	1 Kit	1 Kit	1 Kit	<b>AMV2-10121-20</b>	20 Kits
<b>C</b>	Square Wire Hangers (truss width ≤ 2-3/4" / 70 mm)	2 Kits	1 Kit	1 Kit	1 Kit	<b>AMV2-10119-20</b>	20 Kits
<b>D</b>	VYPR Perpendicular Mount Wire Hanger (25 x 50 mm strut)	2 Kits	N/A	N/A	N/A	<b>AMV3-10572-20</b>	20 Kits
<b>E</b>	VYPR Parallel Mount bracket (25 x 50 mm strut)	2 Kits	N/A	N/A	N/A	<b>AMV3-10571-20</b>	20 Kits
<b>F</b>	PSU2 LVG 600W (For AC Input Voltage 277 V ONLY) and HVE 600W surface mount Kit	N/A	1 Kit	N/A	1 Kit	<b>AMPS-10453-10</b>	10 Kits
<b>G</b>	PSU2 HVG 600W surface mount Kit	N/A	N/A	1 Kit	N/A	<b>AMPS-10454-10</b>	10 Kits
<b>H</b>	VYPR Cradle Mount Kit for System with LVG/HVE 600W PSU2 Power Supply	N/A	1 Kit	N/A	1 Kit	<b>AMV3-10492-10</b>	10 Kits
<b>I</b>	VYPR Cradle Mount Kit for System with HVG 600 WPSU2 Power Supply	N/A	N/A	1 Kit	N/A	<b>AMV3-10493-10</b>	10 Kits
<b>J</b>	VYPR 3X Reflector Kit 22-inch	2 Kits	N/A	N/A	N/A	<b>ARV2-10464-40</b>	40 Kits
			N/A	N/A	N/A	<b>ARV2-10516-10</b>	10 Kits



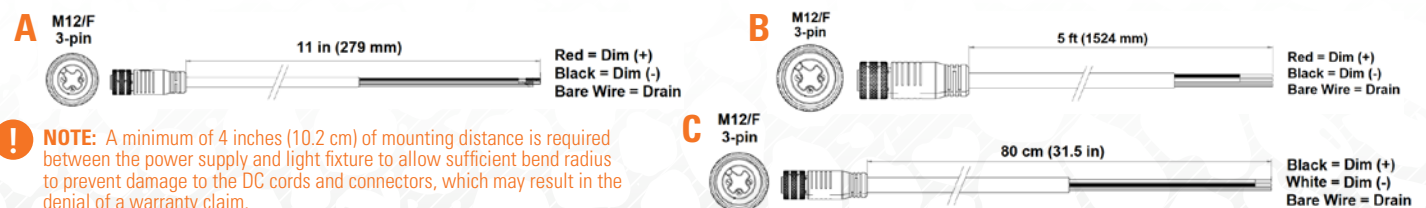
## 1.3 DC Power Cables (Sold and Packaged Separately)

DC POWER CABLES (Fixture to Power Supply) GLOBAL		Quantity per Power Supply	Ordering Code	QTY/ Carton
<b>A</b>	3-FT (0.91 m) DC Extension Cable, M19 Push Lock	1 pc	CDCG-70720-10	10 pcs
<b>B</b>	6-FT (1.83 m) DC Extension Cable, M19 Push Lock	1 pc	CDCG-70721-10	10 pcs
<b>C</b>	DC 1-T Extension Cable, M19 Push Lock	1 pc	CDCG-70902-10	10 pcs



## 1.4 DC Dimming Cables (Sold and Packaged Separately)

DC DIMMING SIGNAL CABLE (Power Supply to dimming control)		Quantity per Power Supply	Ordering Code	QTY/ Carton	Region
<b>A</b>	11 IN (279 mm) dimming signal cable, pigtail, M12 connector	1 pc	CDMA-71561-10	10 pcs	Americas
<b>B</b>	5 ft (1524 mm) dimming signal cable, pigtail, M12 connector	1 pc	CDMA-71560-10	10 pcs	Americas
<b>C</b>	80cm (31.5 IN) dimming signal cable, Cca, pigtail, M12 connector	1 pc	CDME-71526-10	10 pcs	Europe



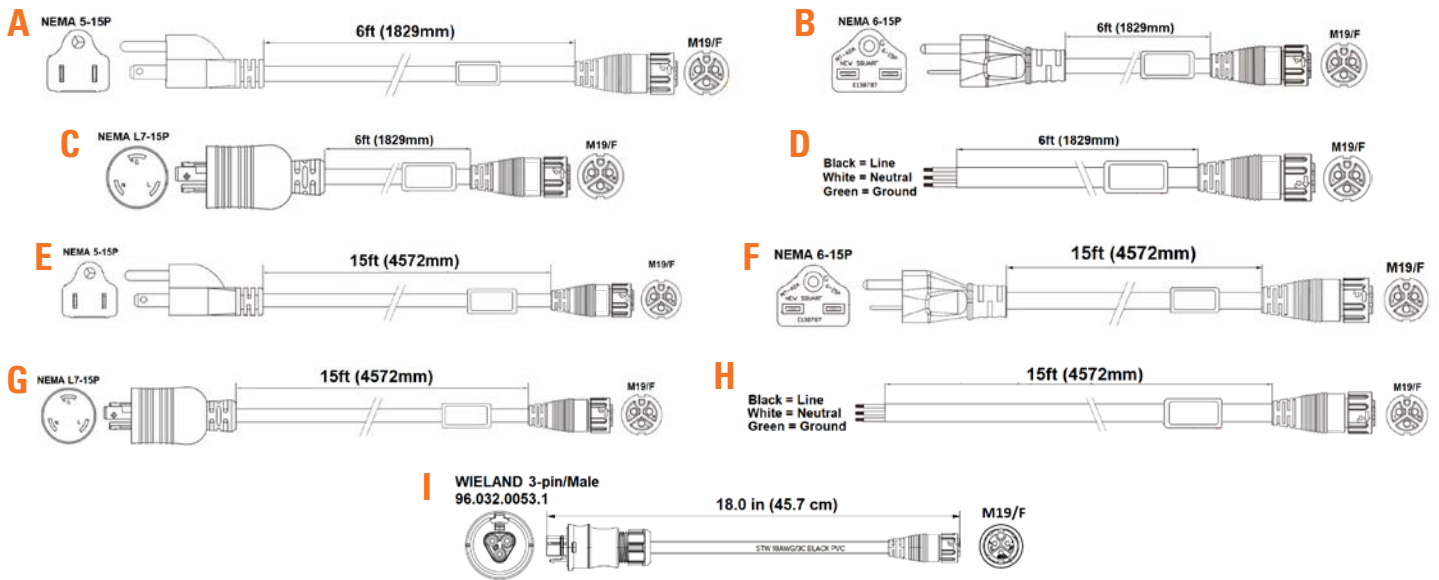
**NOTE:** A minimum of 4 inches (10.2 cm) of mounting distance is required between the power supply and light fixture to allow sufficient bend radius to prevent damage to the DC cords and connectors, which may result in the denial of a warranty claim.



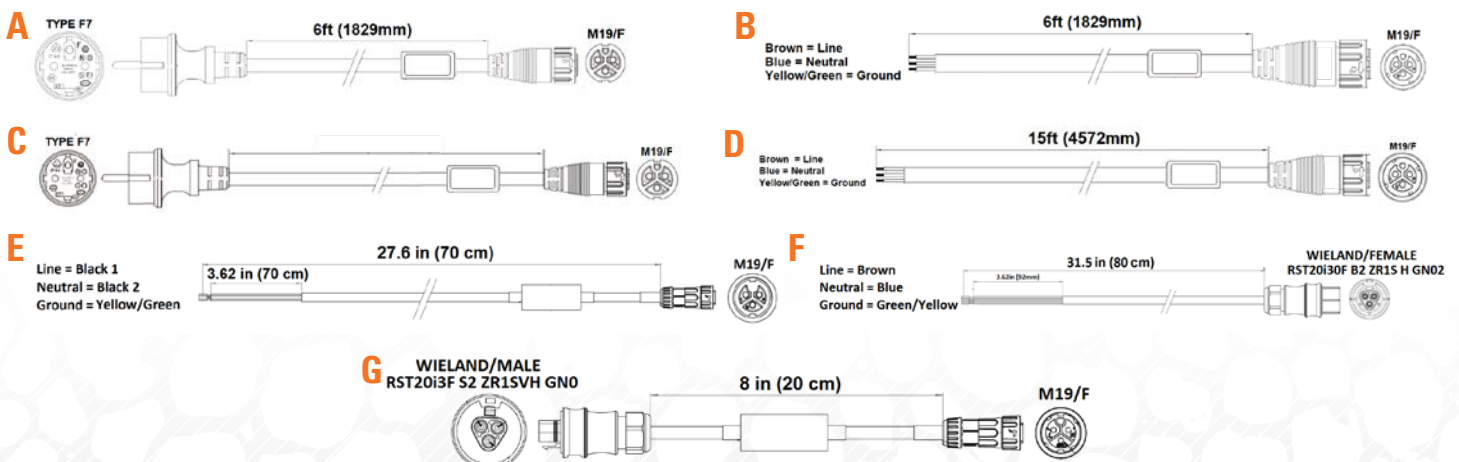
# 1. SYSTEM HARDWARE AND ACCESSORIES

## 1.5 AC Power Cables (Sold and Packaged Separately)

AC POWER CABLE (Power Supply to AC Line) AMERICAS		Quantity per Power Supply	Ordering Code	QTY/ Carton
<b>A</b>	6-FT (1.83 m) AC Extension Cable, NEMA 5-15P Plug, M19 Push Lock, Max 125 V AC	1 pc	CACA-70748-10	10 pcs
<b>B</b>	6-FT (1.83 m) AC Extension Cable, NEMA 6-15P Plug, M19 Push Lock, Max 250 V AC	1 pc	CACA-70750-10	10 pcs
<b>C</b>	6-FT (1.83 m) AC Extension Cable, NEMA L7-15P Plug, M19 Push Lock, Max 277 V AC	1 pc	CACA-70752-10	10 pcs
<b>D</b>	6-FT (1.83 m) AC Extension Cable, Pigtail, M19 Push Lock, Max 480 V AC	1 pc	CACA-70754-10	10 pcs
<b>E</b>	15-FT (4.57 m) AC Extension Cable, NEMA 5-15P Plug, M19 Push Lock, Max 125 V AC	1 pc	CACA-70749-05	5 pcs
<b>F</b>	15-FT (4.57 m) AC Extension Cable, NEMA 6-15P Plug, M19 Push Lock, Max 250 V AC	1 pc	CACA-70751-05	5 pcs
<b>G</b>	15-FT (4.57 m) AC Extension Cable, NEMA L7-15P Plug, M19 Push Lock, Max 277 V AC	1 pc	CACA-70753-05	5 pcs
<b>H</b>	15-FT (4.57 m) AC Extension Cable, Pigtail, M19 Push Lock, Max 480 V AC	1 pc	CACA-70755-05	5 pcs
<b>I</b>	Wieland AC Connector Adapter for Power Supply, STW PVC, M19 Push Lock, 18-IN (0.46 m), Wieland Part #: 96.032.0053.1 (Male)	1 pc	CACA-71467-10	10 pcs



AC POWER CABLE (Power Supply to AC Line) EUROPE		Quantity per Power Supply	Ordering Code	QTY/ Carton
<b>A</b>	1,83 m (6 FT) AC Cable, VDE, Schuko Type F7 plug, M19 Push Lock, 230V AC	1 pc	CACE-70774-10	10 pcs
<b>B</b>	1,83 m (6 FT) AC Cable, VDE, pigtail, M19 Push Lock (not for CE countries)	1 pc	CACE-71161-10	10 pcs
<b>C</b>	4,57 m (15 FT) AC Cable, VDE, Schuko Type F7 plug, M19 Push Lock, 230V AC	1 pc	CACE-70775-05	5 pcs
<b>D</b>	4,57 m (15 FT) AC Cable, VDE, pigtail, M19 Push Lock (not for CE countries)	1 pc	CACE-71162-05	5 pcs
<b>E</b>	70 cm (27,6 IN) AC Cable, Dca, pigtail, M19 Push Lock (230/400V CE application)	1 pc	CACE-71411-10	10 pcs
<b>F</b>	80 cm (31,5 IN) AC Cable, Dca, pigtail (use with adapter cable) Wieland connector Part #: 20i30F B2 ZR1S H GN02 (Female)	1 pc	CACE-71650-10	10 pcs
<b>G</b>	Wieland AC Connector Adapter for Power Supply, Dca cable, M19 Push Lock, 20 cm (8 IN), Wieland Part #: RST20i3F S2 ZR1SVH GN0 (Male)	1 pc	CACE-71576-10	10 pcs





## 2. CAUTIONS AND WARNINGS

### WARNING

Risk of electrical shock. To reduce the possibility of serious injury, always take the proper precautions and unplug the fixture before moving or cleaning.

### CAUTION

LED and heatsink surfaces may be hot. Allow sufficient cooling time before handling.

### CAUTION

To reduce the risk of overheating or fire, never place operating fixtures face down on a flush surface. Always allow for adequate ventilation of fixtures and power supplies.

### CAUTION

To prevent eye damage, avoid looking directly at the unshielded LEDs.

**Practice safety precautions recommended by IEC standard 62471 for Photobiological Risk Group 1. HR9 and DR9 are Photobiological Risk group 2.**

### CALIFORNIA PROPOSITION



65 WARNING



**WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.  
**ADVERTENCIA:** Este producto contiene productos químicos reconocidos por el estado de California que provocan cáncer, defectos de nacimiento u otros daños reproductivos.

For more information:  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

### CHEMICAL EXPOSURE PRECAUTION

Fluence lighting systems are designed to be resilient against crop protection products. Many chemicals used in the Commercial Horticultural Industry are corrosive to electronic equipment. Care should be taken to ensure that only approved crop protection products, cleaning agents and/or other chemicals (e.g., pesticides, fungicides and insecticides) may come in contact with the luminaire. If the luminaire is accidentally exposed to a corrosive liquid or vapor (e.g. VOC – Volatile Organic Compound and H<sub>2</sub>S – Hydrogen Sulfide) the luminaire must be rinsed with clean water as soon as possible. The product warranty will no longer apply if the product is repeatedly exposed or remains in the corrosive environment for a prolonged period. It is recommended the luminaires be removed and protected from the corrosive environment during all periods of aggressive disinfection or sanitization of the facility. The product warranty will be void if the product is repeatedly exposed to Sulfur.



This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



ETL Rating: VYPR Series fixtures are rated suitable for wet locations. A "wet location" is defined as an interior or exterior location in which water or other liquids may drip, splash or flow on or against the electrical components of a lighting fixture. VYPR Series fixtures and power supply are certified to meet UL standards (ETL) from the Intertek safety consulting and certification company. Systems are cETL listed and are rated IP66 by IEC standard 60529.



The light source of this luminaire is not replaceable; when the light source reached its end of life the whole luminaire shall be replaced.

Horticulture Lighting, not suitable for household room illumination.



1 PPF calculations compiled using integrating sphere measurements and typical spectroradiometric data for each LED to determine typical fixture performance. Actual photometric results may vary within the LED manufacturer's bin tolerance.

2 Wattage values are typical expected values. Fluence maintains a tolerance of ±10% on flux and power specifications. Target light levels can vary from projected levels depending on ambient temperature, room reflections values and dirt accumulation.

## 2. CAUTIONS AND WARNINGS

### ADVERTENCIA (ES)

Riesgo de descarga eléctrica. Para reducir la posibilidad de lesiones graves, tome siempre las precauciones adecuadas y desenchufe el aparato antes de moverlo o limpiarlo. PRECAUCIÓN - Las superficies LED y del disipador térmico pueden estar calientes. Permita un tiempo de enfriamiento suficiente antes de tocarlos. Para reducir el riesgo de sobrecalentamiento o incendio, nunca coloque los accesorios de operación boca abajo sobre una superficie de descarga. Permita siempre una ventilación adecuada de los accesorios y las fuentes de alimentación. Para evitar daños oculares, evite mirar directamente los LED sin cobertura. Practique las precauciones de seguridad recomendadas por la norma IEC 62471 para el Grupo de Riesgo Fotobiológico 1.

### AVERTISSEMENT (FR)

Risque de décharge électrique. Afin de réduire les risques de blessures graves, il faut toujours prendre les précautions nécessaires et débrancher l'appareil avant de le déplacer ou de le nettoyer. MISE EN GARDE - Les surfaces des DEL et du dissipateur thermique peuvent être chaudes. Prévoyez un temps de refroidissement suffisant avant toute manipulation. Pour réduire le risque de surchauffe ou d'incendie, ne jamais placer les appareils de fonctionnement face vers le bas sur une surface affleurante. Toujours prévoir une ventilation adéquate des appareils et des blocs d'alimentation. Pour éviter les lésions oculaires, il faut éviter de regarder directement les DEL non blindées. Prendre les précautions de sécurité recommandées par la norme CEI 62471 pour le groupe de risque photobiologique 1.

### AVERTISSEMENT CONCERNANT LA PROPOSITION 65 DE LA CALIFORNIE

Ce produit contient des produits chimiques dont l'État de Californie sait qu'ils provoquent le cancer et des malformations de la peau ou d'autres atteintes à la reproduction. Pour en savoir plus : [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

### ПРЕДУПРЕЖДЕНИЕ (BG)

Риск от електрически удар. За да намалите вероятността от сериозни наранявания, винаги вземайте подходящи предпазни мерки и изключвайте тялото от захранването преди местене или почистване. Тялото и захранването са с рейтинг UL 1598 за влажни помещения, но не са разработени за потапяне във вода. В случай че модулът или корпусът на захранването бъдат потопени, първо изключете прехвърача, след което изключете потопените компоненти, преди да извадите от водата. За да избегнете увреждане на очите, не гледайте директно в незашитени LED осветителни тела. Повърхностите на LED тялото и топлоотвода може да са горещи. Осигурете достатъчно време за охлаждане преди работни дейности. За да намалите риска от прегряване или пожар, никога не поставяйте работещи тела с лицевата част надолу върху гладка повърхност. Винаги осигурявайте адекватна вентилация на телата или захранването.

### VAROVÁNÍ (CZ)

Riziko úrazu elektrickým proudem. Kvůli snížení možnosti váženého zranění vždy přijměte náležitá preventivní opatření a odpojte zařízení před přesunutím nebo čištěním. Zařízení a zdroj napájení odpovídají normě UL 1598 pro mokré umístění, ale nejsou určeny pro ponoření do vody. V případě, že dojde k ponoření modulu nebo skříňové zdroje napájení, nejprve vypněte jistič a potom odpojte ponořené komponenty. Teprve potom je možné přikročít k vyjmutí z vody. Dbejte na to, abyste se si nepoškodili zrak, a nedívejte se přímo do nezastíněných LED diod. Povrch LED diod a chladiče může být horký. Než přistoupíte k manipulaci, počkejte dostatečně dlouho, než zařízení vychladnou. Nikdy nedávejte zařízení, které je v provozu, ilicí stranou na rovný povrch, abyste snížili riziko přehřátí nebo požáru. Vždy dbejte na dostatečné větrání zařízení a zdrojů napájení.

### ADVARSEL (DK)

Risiko for elektrisk stød. For at reducere risikoen for alvorlig personskade skal du altid tage de korrekte forholdsregler og frakoble armaturet inden flytning eller rengøring. Armatur og strømforsyning er UL 1598-klassificeret til placering i våde omgivelser, men er ikke beregnet til at blive nedsænket i vand. Hvis modulet eller strømforsyningskabinettet bliver nedsænket, skal du først frakoble afbryderen og derefter frakoble de nedsænkede komponenter, inden du tager dem ud af vandet. Undlad at se direkte på de ikke-afskærmede LED'er for at undgå øjenskader. LED'ers og varmeaflederens overflader kan være varme. Lad dem køle af, før du håndterer dem. For at reducere risikoen for overophedning eller brand må du aldrig placere tændte armaturer med forsiden nedad på en plan overflade. Sørg altid for tilstrækkelig ventilation omkring armaturer og strømforsyninger.

### WARNUNG (DE)

Stromschlagrisiko. Um die Gefahr von schweren Stromschlägen zu vermeiden, treffen Sie geeignete Vorkehrungen und stecken Sie den Leuchtkörper aus, bevor Sie ihn bewegen oder säubern. Der Leuchtkörper und das Netzteil sind für Nassbereiche gemäß UL 1598 zertifiziert, dürfen jedoch nicht unter Wasser getaucht werden. Sollte das Modul oder das Netzteilgehäuse unter Wasser getaucht werden, lösen Sie zuerst den Stromkreisunterbrecher und stecken dann die untergetauchten Komponenten aus, bevor Sie sie aus dem Wasser holen. Um Augenschäden vorzubeugen, schauen Sie nicht ungehindert direkt in die LEDs. LED und Kühlkörperoberflächen können heiß sein. Vor dem Berühren abkühlen lassen. Um das Risiko von Überhitzung oder Feuer zu verringern, legen Sie niemals einen Leuchtkörper in Betrieb mit der LED-Seite nach unten auf eine ebene Oberfläche. Achten Sie immer auf ausreichende Belüftung der Leuchtkörper und Netzteile.

### ΠΡΟΕΙΔΟΠΟΙΗΣΗ (GR)

Κίνδυνος ηλεκτροπληξίας. Για μείωση της πιθανότητας σοβαρού τραυματισμού, λαμβάνετε πάντα τις απαραίτητες προφυλάξεις και αφαιρείτε το προϊόν από το ρεύμα πριν από τη μεταφορά ή τον καθαρισμό. Το προϊόν και το τροφοδοτικό διαθέτουν βαθμονόμηση UL 1598 Υγρής Τοποθεσίας αλλά δεν είναι σχεδιασμένα για να βυθίζονται στο νερό. Στην περίπτωση που η μονάδα ή το περίβλημα του τροφοδοτικού βυθιστούν, κλείστε τον κεντρικό διακόπτη ρεύματος και στη συνέχεια αφαιρέστε από την πρίζα τα βυθισμένα εξαρτήματα πριν προχωρήσετε στην αφαίρεσή τους από το νερό. Για την αποφυγή οφθαλμολογικών βλαβών, αποφεύγετε να κοιτάτε απευθείας σε μη προστατευμένα LED. Τα LED και οι επιφάνειες απαγωγού θερμότητας ενδέχεται να είναι καυτά. Περιμένετε να κρυσώσουν πριν από τον χειρισμό. Για μείωση του κινδύνου υπερθέρμανσης ή τυρκαγιάς, μην τοποθετείτε ποτέ προϊόντα σε λειτουργία με την πρόσοψη προς τα κάτω σε επιφάνειες που δεν προεξέχουν. Παρέχετε πάντα επαρκή εξαερισμό στα προϊόντα και τα τροφοδοτικά.





## 2. CAUTIONS AND WARNINGS

живлення було занурено у воду, перш ніж дістати його, вимкніть автоматичний мікровимикач і від'єднайте виріб від розетки. Щоб уникнути пошкодження зору, не дивіться на відкриті світлодіоди. Світлодіоди й поверхні радіатора можуть бути гарячими. Перш ніж торкатися приладу, зачекайте, доки він охолоне. Щоб уникнути перегріву чи пожежі, ніколи не ставте ввімкнений прилад лицьовою стороною вниз на гладку поверхню. Завжди забезпечуйте належну вентиляцію приладу і джерел живлення.

Importer:  
**Signify Netherlands B.V.**  
**Flight Forum 2000**  
**5657 EX Eindhoven**  
**The Netherlands**



D Produkt zur Raumbelichtung im Haushalt nicht geeignet GB Product not suitable for domestic household lighting F Produit inadapte a l'eclairage interieur d'une habitation I Prodotto non idoneo a impianti di illuminazione domestici E Producto no adecuado para iluminacion residencial P Produto nao adequado para iluminacao domestica GR Το προϊόν δεν είναι κατάλληλο για φωτισμό οικιακής χρήσης NL Produkt niet geschikt voor huishoudelijke verlichtingsdoeleinden S Produkten ar ej lampfor for hushallsbelysning FIN Tuotetta ei voida kayttää kotitalouksien valaisuun N Produktet er ikke egnet til a lyse opp rom med DK Produktet er ikke egnet husholdningsbelysning CZ Vyrobek není vhodný pro osvětlení domácnosti RUS Продукт не подходит для бытового освещения помещений KZ Бұл өнім үйдегі тұрмыстық жарықтандыруға жарамалды H A termék nem alkalmas háztartási világításnak PL Produkt nie jest odpowiedni do oświetlenia domowego SK Produkt nie je vhodný na osvetlenie miestnosti v domácnosti SLO Izdelek ni primeren za osvetlitev bivalnih prostorov TR Urun, ev aydınlatması için uygun değildir HR Proizvod nije prikladan za rasvjetu u kućanstvu RO Produsul nu este adecvat pentru iluminatul locuinței BG Продуктът не е подходящ за жилищно-битово осветление EST Toode ei sobi majapidamisvalgusteks LT Prietaisas neskritys namų apšvietimui LV Produkts nav piemērots apgaismojumam mājās. SRB Proizvod nije pogodan za rasvetu u domaćinstvu UA Продукт не підходить для побутового освітлення приміщень



D WEEE-Gerätekennzeichen: Nicht in den Hausmüll werfen! Sachgerechte Entsorgung der Produkte und Verpackung nach geltendem Landesrecht vornehmen. GB WEEE device identification: Do not dispose of in domestic waste! Proper disposal of the product and packaging must be done in accordance with the applicable national law. F Identification WEEE du dispositif : ne pas jeter avec les déchets ménagers ! Le produit et son emballage doivent être éliminés conformément à la législation nationale en vigueur. I Identificazione RAEE del dispositivo: Non smaltire con i rifiuti domestici! Lo smaltimento corretto del prodotto e dell'imballaggio deve essere effettuato secondo la legge nazionale applicabile. E Identificación RAEE del dispositivo: No desecher con los residuos domésticos. El desecho adecuado del producto y el embalaje deberá llevarse a cabo de conformidad con la ley nacional aplicable. P Identificação do dispositivo WEEE: Nao deite fora no lixo domestico! A eliminacao adequada do produto e da embalagem deve ser feita em conformidade com a legislacao nacional aplicavel. GR Αναγνώριση συσκευής WEEE: Μην απορρίπτετε με τα οικιακά απορρίμματα! Η απόρριψη του προϊόντος και της συσκευασίας πρέπει να γίνεται σύμφωνα με την ισχύουσα εθνική νομοθεσία. NL WEE-apparaatidentificatie: niet weggoien bij het huishoudelijke afval! Correcte verwijdering van het product en verpakking dient te gebeuren overeenkomstig de toepasselijke nationale wetgeving. S Enhetens identifikation for WEEE: Slang inte bland hushallssoppor! Produkten och förpackningen måste slängas på ett korrekt sätt i enlighet med gällande nationell lag. FIN WEEE-laitetunnus: Älä heittä jättilätkä hyllyyn! Tuotteen ja pakkausten asianmukainen hävittäminen on suoritettava soveltuvien paikallisten lakien mukaisesti. N WEEE Enhetsidentifikasjon: Skal ikke kastes i husholdningsavfallet! Riktig avhending av produktet og emballagen må gjøres i henhold til gjeldende nasjonale lover. DK WEEE enhedsidentifikation: Ma ikke bortskaffes med husholdningsaffald! Korrekt bortskaffelse af produktet og emballagen skal ske i overensstemmelse med gældende national lovgivning. CZ Označení zařízení podle systému WEEE: Nevyhazovat do domovního odpadu! Správná likvidace výrobku a obalu musí být provedena v souladu s platnými národními legislativními předpisy. RUS Идентификация устройства: Не выбрасывайте продукт вместе с бытовыми отходами! Продукт и упаковку необходимо утилизировать надлежащим образом в соответствии с действующим национальным законодательством. KZ WEEE құрылғы идентификаторы: үй қорысымен бірге тастамаңыз! Бұл өнім мен оның қаптамасының тасталуы қолданыстағы ұлттық заңға сай дұрыс орындалуы тиіс. H WEEE keszulek azonosító: Kommunikációs hullaedekba helyezni tilos! A termék es a csomagolás megfelelő ártalmatlanítását a hatályos nemzeti szabályozás szerint kell elvégezni. PL Identyfikacja urządzenia WEEE: Urządzenia nie wolno wyrzucać wraz ze zwykłymi odpadami domowymi! Właściwe uswanie produktu i opakowania musi odbywać się zgodnie z obowiązującym prawem krajowym. SK Označenie zariadenia WEEE: Nelikvidujte v rámci komunálneho odpadu! Riadna likvidácia tohto produktu a obalu sa musí vykonať v súlade s národnými právnymi predpismi. SLO Identifikacija izdelka v smislu OEEO: Ne zavržite med gospodinjnske odpadke! Izdelek in embalažo je treba med odpadke zavržiti ustrežno in v skladu z veljavno nacionalno zakonodajo. TR WEEE cihaz kimliği: Evsel atıkları dahil etmeyin! Urun ve ambalajın doğru biçimde imhası ilgili ulusal yasaya uygun olarak gerçekleştirilmelidir. HR Oznaka WEEE na uređaju: ne odlažite u kućni otpad! Proizvod i pakiranje potrebno je ispravno odložiti u skladu s primjenjivim zakonom države. RO Identificarea dispozitivelor WEEE: Nu eliminați produsul în gunoii menajeri! Eliminarea corectă a produsului și ambalarea se vor face în conformitate cu legea națională aplicabilă. BG Идентификация на устройството по WEEE: Да не се изхвърля с битовите отпадъци! Правилното третиране на продукта и опаковката му като отпадъци трябва да става в съответствие с приложимото национално законодателство. EST WEEE-seadme identifitseerimine: Arge visake olmejaatmetesse! Toote ja pakendite nouetekohane korvaldamine peab toimuma kooskõlas kehtivate siseriiklike õigusaktidega. LT WEEE įrenginio identifikacija: nešalinti kartu su buitinišmis atliekomis! Gaminio ir pakuočės šalinimas turi būti atliekamas pagal šalyje galiojančius įstatymus. LV WEEE ierices identifikacija: neizmet sadzives atkritumos! Produkts un iepakojums jāizmet atbilstoši piemērojamam valsts likumam. SRB Identifikacija WEEE uređaja: Nemojte da odlažete u otpad iz domaćinstva! Proizvod i pakovanje morate da odložite u otpad u skladu sa važećim nacionalnim zakonom. UA Ідентифікація пристрою відповідно до Директиви ЄС (WEEE) щодо відпрацьованого електричного й електронного обладнання: Не викидайте продукт разом з іншим домашнім сміттям! Продукт та упаковку слід утилізувати належним чином відповідно до діючого національного законодавства.



D Produkt, bei der der Schutz gegen elektrischen Schlag auf der Anwendung der Schutzkleinspannung (SELV) beruht und in der Spannungen hoher als SELV nicht erzeugt werden. GB The product protects against risk of electric shock with safety extra-low voltage (SELV), not exceeding voltages above SELV. F Le produit protège des risques d'électrocution grâce à la très basse tension de sécurité (TBTS); il ne présente pas de tension supérieure à la TBTS. I Il prodotto protegge dal rischio di scossa elettrica grazie al sistema a bassissima tensione (SELV) che non supera le tensioni SELV. E El producto protege contra riesgo de descarga eléctrica con voltaje bajo extra seguro (SELV) que no exceda los voltajes superiores a SELV. P O produto protege contra o risco de choque elétrico com a tensão de segurança muito baixa (SELV), não excedendo as tensões acima de SELV. GR Το προϊόν προσφέρει προστασία από ηλεκτροπληξία λόγω της εξαιρετικά χαμηλής τάσης (SELV). Το προϊόν δεν υπερβαίνει τις τάσεις πάνω από το επίπεδο SELV. NL Dit product beschermt tegen het risico op elektrische schokken met extra lage veiligheids spanning (SELV); de SELV wordt niet overschreden. S Produkten skyddar mot risken for elektrisk chock med extra lag sakerhetsspanning (SELV) som inte overstiger spanning over SELV. FIN Tuote on suojattu sähköiskua vastaan erityisen alhaisen suojajännitteen (SELV) ansiosta, jännitteet eivät ylitä SELV-jännitettä. N Produktet beskytter mot risikoen for elektrisk stot med ekstrapolert lavspenning (SELV), som ikke overstiger spenning over SELV. DK Produktet beskytter mod risiko for elektrisk stot med sikkerheds - ekstra-lavsp.ning (SELV, safety extra-low voltage), der ikke overstiger sp.ninger over SELV. CZ Vyrobek chrani před úrazem elektrickým proudem vzhledem k extra-nizkemu napětí (SELV), nevyskytují se zde napětí nad SELV. RUS Продукт предотвращает риск поражения электрическим током благодаря работе при безопасном сверхнизком напряжении (БСНН). Напряжение не превышает БСНН. KZ Бұл өнім қауіпсіз өте төменгі кернеу (SELV) мөлшерінен жоғары кернеуден аспаптың қауіпсіз өте төменгі кернеуі арқасында электр тогына тусу қауіпін қорғалған. H A termék biztonságai torpefeszteltsg (SELV) alkalmazásával véd az elektromos áramut veszélyeztető szemben, a SELV értéket nem haladja meg a feszultsg. PL Produkt chroni przed porażeniem prądem elektrycznym dzięki obwodowi bardzo niskiego napięcia (SELV), nie przekraczającemu napięcia powyżej SELV. SK Produkt chrani pred zasiahnutím elektrickým prúdom použitím ochranného nízkeho napätia (SELV), nedosahuje sa napätie prekračujúce SELV. SLO Izdelek varuje pred električnim udarom zaradi varnostne male napetosti (SELV) in ne presega napetosti, višjih od SELV. TR Urun, SELV üzerindeki voltajlara cıkmayan, güvenli cök düşük gerilimli (SELV) elektrik şoku riskine karşı korur. HR Proizvod pruža zaštitu od električnog udara primjenom sigurnosnog malog napona (SELV). Ne generiraju se naponi koji premašuju SELV. RO Produsul protejează împotriva riscului de electrocutare cu tensiune de siguranță foarte joasă (SELV), fără să depășească tensiunile mai mari decât SELV. BG Продуктът осигурява защита от електрически удар с безопасно сверхнизко напрежение (SELV), което не се повишава до стойности над SELV. EST Toode kaitseb elektrilõugu ohu eest maandamata kaitsevaikeringe susesteemiga (SELV), mis ei ületa SELV-i korgemaid pingeid. LT Prietaisas apsaugo nuo elektros smūgio pavojaus, jei žema saugi įtampa (SELV) įtampas. LV Produkts pasargā no elektrošoka riska, jo tam ir izteikti zema strāva (SELV), kas nepārsniedz strāvas līmeni virs SELV. SRB Proizvod štiti od rizika od električnog udara putem izuzetno niskog bezbednog napona (SELV), koji ne prekoračuje napone iznad SELV. UA Продукт запобігає ризику ураження електричним струмом завдяки роботі при безпечній наднизькій напрузі (БННН). Напруга не перевищує БННН.



D CE-Kennzeichen: Hiermit erklärt Signify, dass dieses Produkt den grundlegenden Anforderungen und den relevanten Vorschriften der europäischen Richtlinien entspricht. GB CE marking: Signify declares that this product conforms with the basic requirements and relevant provisions of the European guidelines. F Marquage CE: Signify declare que ce produit répond aux exigences de base et aux dispositions applicables des directives européennes. I Marchio CE: Signify dichiara che questo prodotto e conforme ai requisiti di base e i provvedimenti pertinenti secondo le linee guida europee. E Marca CE: Signify declara que este producto cumple con los requisitos basicos y las disposiciones relevantes de las directrices europeas. P Marca CE: A Signify declara que este produto esta em conformidade com os requisitos basicos e as disposicoes relevantes das diretrizes europeias. GR Σήμανση CE: Η Signify δηλώνει ότι το προϊόν αυτό συμμορφώνεται με τις βασικές απαιτήσεις και τις σχετικές διατάξεις των ευρωπαϊκών οδηγιών. NL CE-markering: Signify verklaart dat dit product voldoet aan de basisvereisten en relevante bepalingen van de Europese richtlijnen. S CE-markning: Signify tillkannager att den har produkten oppfyller de grundläggande kraven och relevanta bestämmelserna i de europeiska riktlinjerna. FIN CE-merkintä: Signify takaa, että tämä tuote täyttää Eurooppalaiset perusvaatimukset ja muut tarkeat vaatimukset. N CE-merking: Signify erkl.rer at dette produktet oppfyller krav og relevante bestemmelser i de europeiske retningslinjene. DK CE-m.rkning: Signify erkl.rer, at dette produkt overholder de grundlggende krav og relevante bestemmelser i de europiske vejledninger. CZ Značka CE: Společnost Signify prohlašuje, že tento výrobek splňuje základní požadavky a ustanovení evropských směrníc. RUS Маркировка CE: компания Signify заявляет, что данный продукт отвечает основным требованиям и соответствующим положениям Европейских директив. KZ CE белгісі: Signify компаниясы бұл өнімнің Еуропалық нұсқаулықтардың негізгі талаптары мен қатысты ережелеріне сай екенін жариялайды. H CE jeloles: Az Signify kijelenti, hogy a termék teljesíti az Európai irányelvek alapvető követelményeit es vonatkozó előírásait. PL Oznakowanie CE: firma Signify oświadcza, że niniejszy produkt jest zgodny z podstawowymi wymogami i odpowiednimi postanowieniami wyciecznych europejskich. SK Označenie CE: Spoločnosť Signify týmto deklaruje, že tento produkt vyhovuje základným požiadavkam a relevantným predpisom evropských smerníc. SLO Označba CE: Družba Signify izjavlja, da ta izdelek izpolnjuje osnovne zahteve in ustrežna določila evropskih smernic. TR CE işareti: Signify, bu urunun Avrupa kılavuz ilkelerinin ilgili hukukleri ve temel gerekliliklerine uygun olduđunu beyan eder. HR Oznaka CE: tvrtka Signify ovim izjavljuje da je ovaj proizvod u skladu s osnovnim zahtevima i relevantnim odredbama evropskih direktiva. RO Marcaj CE: Signify declară că acest produs respectă cerințele de bază și prevederile relevante ale standardelor europene. BG Маркировка „CE“: Signify декларира, че този продукт съответства на основните изисквания и приложимите разпоредби на европейските насоки. EST CE-margis: Signify kinnitab, et antud toode vastab Euroopa suuniste pohinouetele ja asjakohastele satatele. LT CE ženkinimas: Signify pareiškia, kad šis prietaisas atitinka pagrindinius Europos gairių reikalavimus ir atitinkamas nuostatas. LV CE marķējums: Signify paziņo, ka šis produkts atbilst Eiropas vadlīniju pamata prasībām un saistītiem nosacījumiem. SRB CE označavanje: Signify izjavljuje da je ovaj proizvod u skladu sa osnovnim zahtevima i važećim propisima evropskih smernica. UA Маркування CE: компанія Signify засвідчує,



Horticulture Use



### 3. IMPORTANT SAFETY PRECAUTIONS & EXPLANATION OF SYMBOLS

- Please read this manual thoroughly before attempting to install or operate any Fluence VYPR Series system.
  - After successful installation and configuration of the system, be sure to retain this manual in a safe place for future reference. Safety is a key component to a long lasting and trouble free installation.
  - It is important you read, fully understand, and observe the subsequent safety precautions. If you are not comfortable with the installation of high performance lighting systems, you should seek the services of a qualified installation professional or call us for help.
  - NOTICE: VYPR is a high-performance lighting system. Do not touch while in operation.
  - Connect the system only to the power sources of the appropriate voltage using the correct AC plug type. Protect power cables from being pinched, walked on, or otherwise damaged. Be especially careful where the power cable enters the power outlet and the unit. Only connect the system to an electrical outlet or extension cord of appropriate type and rating. Connect the system only to the power sources of the correct voltage using the plug received.
  - DO NOT defeat the safety purpose of a grounding or polarized plug by removing ground pins or using unsafe adapters. A polarized plug has two blades – one wider than the other. A grounding plug has a third ground prong in addition to the two main conductors. The wide blade or third grounding prong is provided for your safety. If the provided plug does not fit your outlet, consult an electrician to replace your obsolete outlet. If you replace the power cord, only use one of similar type and equal or greater current rating.
  - The system should only be cleaned as directed in the manual. You should seek service for your system by qualified service personnel if any of the following occur:
    1. The power-supply cord or the plug has been damaged.
    2. The unit has been exposed to rain.
    3. The unit exhibits a marked change in performance.
    4. The unit has been dropped, or its enclosure or chassis is damaged.
- Mount your fixture at least 18" from the top of your canopy to ensure optimal uniformity and consistent PPFD. The VYPR Series was designed to provide uniform light dispersion and requires precise deployment. A 1" variation in either direction will have a significant effect in uniformity and PPFD (which may or may not be desired).
  - Many plants prefer higher temperatures when exposed to high PPFD. Experiment with higher temperatures to achieve higher yields. Canopy temperature and room ambient temperature often vary. For accurate results, test at the canopy level to gauge leaf surface temperature.

For cultivation recommendations visit <https://fluence.science/science-articles/>

### 5. GENERAL CARE

VYPR lighting systems are passively cooled with zero moving components. They are designed for harsh environments and years of maintenance-free performance. Some basic care will keep your system operating at peak performance cycle-after-cycle.

- Natural convection removes heat away from the heatsink. In order for the system to properly cool itself, at least one inch of space is required between the fixture and the roof of your grow area. Failure to do so may shorten the fixture's lifespan.
- To achieve the optimal lifespan and performance of your fixtures, routinely check for and remove excess dust, debris, and mineral build up from heatsink and LED array. Cleaning should always be done with the fixture unplugged from its power source using low-pressure compressed air or water to rinse off heatsink or LED array.
- Never use a cloth to clean the diode array. Doing so can scratch or compromise the integrity of the silicon seal, or dislodge diodes entirely.
- To limit degradation, avoid touching the diodes with your hands, even in a powered off state.
- Nutrient/fertigation should not be allowed to come into contact with the light fixture and/or build up on the light fixture. Doing so will void the warranty.

For detailed instructions for maintenance and cleaning, visit [www.fluence.science/support-center/](http://www.fluence.science/support-center/)

### 4. CULTIVATION BEST PRACTICES

Fluence encourages everyone to experiment and pursue their own techniques. Every crop is different and everyone has different goals. However, our internal research has given us insight into several strategies we would like to share.

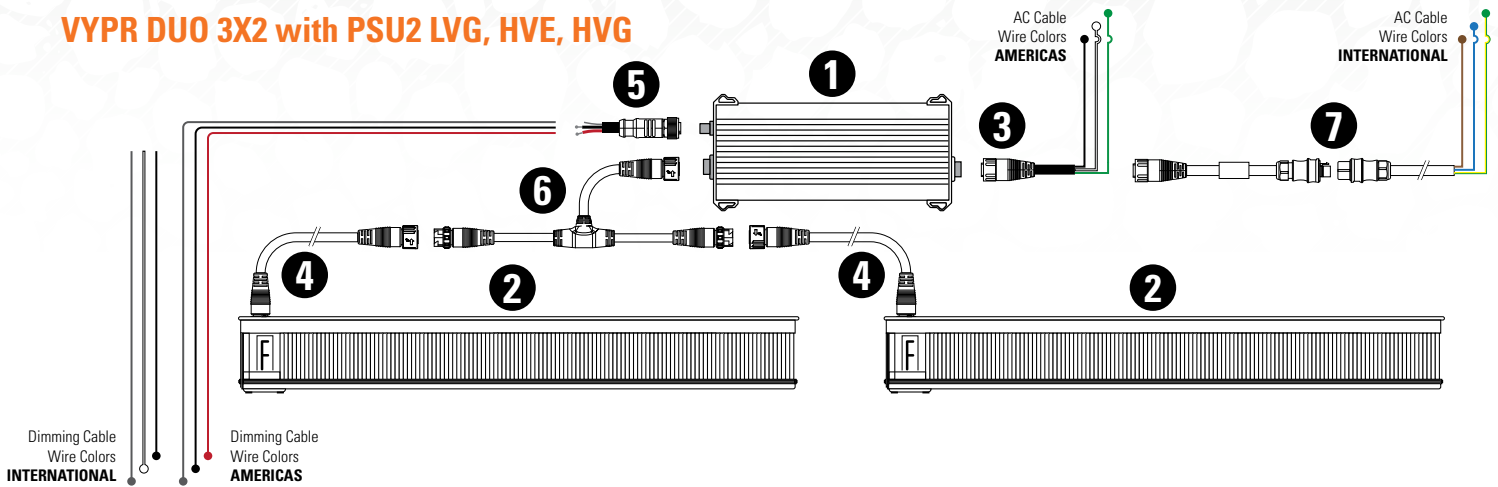
- Regularly check your plants' growth and health. Fluence lighting systems deliver high levels of PAR, typically more than experienced in nature. Adjustments to H<sub>2</sub>O, CO<sub>2</sub>, RH, nutrients, and temperature are typically required.

**VYPR is a high-performance lighting system. Do not touch while in operation.**

**PLEASE RECYCLE ALL PACKAGING MATERIAL.**

## 6. SYSTEM WIRING DIAGRAM AND SPECIFICATIONS

### VYPR DUO 3X2 with PSU2 LVG, HVE, HVG



### COMPONENTS

- ① Power Supply
- ② Light Fixture
- ③ AC Power Cable to Power Supply
- ④ DC Power Extension Cables to Light Fixtures (Remote Mount only)
- ⑤ DC Dimming Signal Cable to Power Supply
- ⑥ DC 1-T Extension Cable
- ⑦ Optional WIELAND© AC power cable adapters to Power Supply (CACE-71576-10) and Dca pigtail cable (CACE-71650-10)

### ③ ⑦ AC POWER CABLE CONNECTIONS

Americas AC Cable Wire Colors	International AC Cable Wire Colors	Power Supply Pin Connection	LVG					HVE (347-400 V), HVG		
			120 V	208 V	230 V	240 V	277 V	347 V	400 V	480 V
Black	Brown	L	Phase	Phase	Phase	Phase	Phase	Phase	Phase	Phase
White	Blue	N	Neutral	Phase	Neutral	Phase	Neutral	Neutral	Phase	Phase
Green	Green-yellow	G	PE	PE	PE	PE	PE	PE	PE	PE

**NOTE:** In 3-phase power applications, the light fixtures/loads should be properly distributed across all three phases, and not all on the same phase.

### ⑤ 0-10 V DIMMING SIGNAL CABLE CONNECTIONS

Dimming Cable Wire Color Americas	Dimming Cable Wire Color International	Power Supply Pin Connection
Red	Black	DIM (+)
Black	White	DIM (-)
Bare Wire	Bare Wire	Shield Drain (not connected to PS)

**NOTE:** Connect the dim cable shield drain to only one PE ground connection point, i.e. at the dimming control panel.

Power Supply Connector	Connector Type	Pin Assignments
<b>AC Power Connector</b>	Push-lock Male M19, 3-pin	Pin N: Neutral Pin L: Line Pin G: Ground
<b>DC Power Connector</b>	Push-lock Female M19, 2-Pin	Pin 1: LED (-) Pin 2: LED (+)
<b>Dimming Connector</b>	IEC61076-2-101 Threaded A-Code Male M12, 3-pin	Pin 1: Dim (-) Pin 3: Dim (+) Pin 4: 12VDC+

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**Maximum Ambient Operating Temperature: 95° F / 35° C**

### SYSTEM SPECIFICATION SHEETS

For complete product information and system specifications please visit

[www.fluence.science/support-center/](http://www.fluence.science/support-center/)

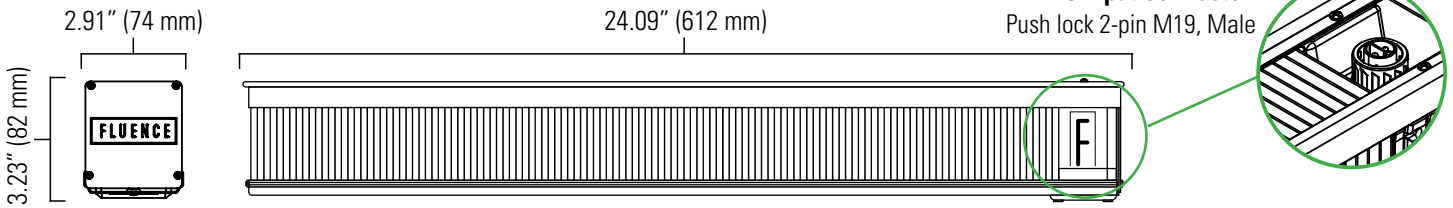
or email [support@fluence-led.com](mailto:support@fluence-led.com)

## 7. VYPR DUO 3X2 REMOTE MOUNT



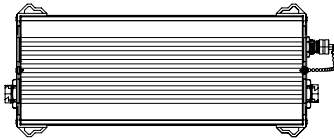
### 7.1 Dimensions And Weight

#### VYPR 3x



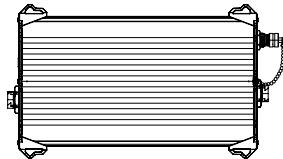
#### PSU2 LVG

600W  
120-277 V AC  
P/N 71530, 10506



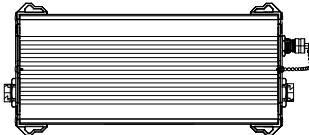
#### PSU2 HVG

600W  
347-480 V AC  
P/N 71537, 10509



#### PSU2 HVE

600W 400 V AC  
P/N 71533, 10507



#### VYPR 3x

Length	Width	Height	Weight	Region
24.09" 612 mm	2.91" 74 mm	3.23" 82 mm	4.8 lb 2.2 kg	Global

#### Power Supplies

Part Number	DC Current	Type	AC Input	Length	Width	Height	Weight	Region	
71530	11.7 A	PSU2 LVG	120-277 V 50/60 Hz	13.43"	5.26"	2.56"	7.1 lb	Global	
10506	11.4 A			341 mm	134 mm	65 mm	3.2 kg		
71537	11.7 A	PSU2 HVG	347-480 V 50/60 Hz	11.5"	6.41"	2.47"	7.5 lb		
10509	11.4 A			292 mm	163 mm	63 mm	3.4 kg		
71533	11.7 A	PSU2 HVE	400 V 50 Hz	12.24"	5.26"	2.56"	6.4 lb		Europe
10507	11.4 A			311 mm	134 mm	65 mm	2.9 kg		

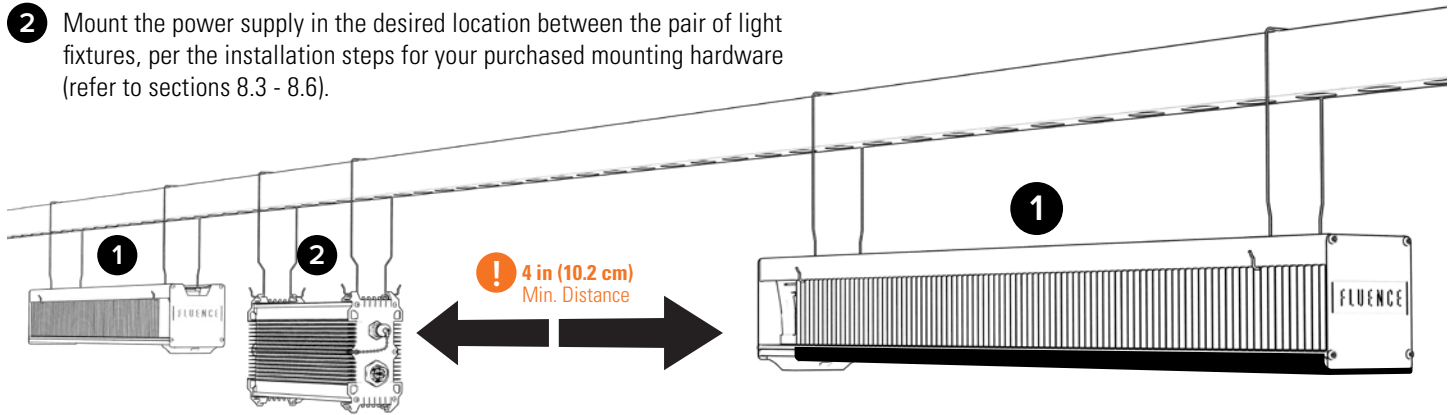


## 7. VYPR DUO 3X2 REMOTE MOUNT

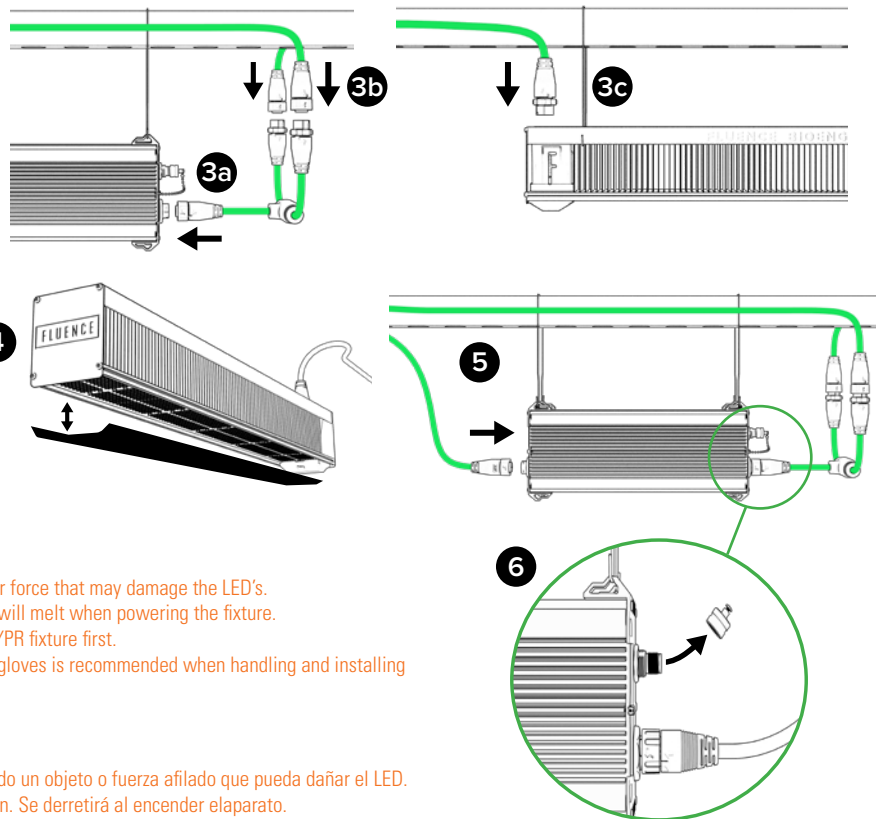
### 7.2 System Installation

- 1 Mount the pair of light fixtures in locations according to your lighting design, per the installation steps for your purchased hardware (refer to sections 8.1 - 8.5). Space the light fixtures no more than 6 ft (1.83 m) apart with 3 ft (0.91 m) extension cables, or 12 ft (3.65 m) apart with 6 ft (1.83 m) extension cables. **Face the DC Input Connectors toward each other.** Adjust the mounting height according to your lighting design, the bottom of the light fixtures at least 18" above the plant canopy.
- 2 Mount the power supply in the desired location between the pair of light fixtures, per the installation steps for your purchased mounting hardware (refer to sections 8.3 - 8.6).

**!** A minimum of **4 inches (10.2 cm)** of mounting distance is required between the power supply and light fixture to allow sufficient bend radius to prevent damage to the DC cords and connectors, which may result in the denial of a warranty claim.



- 3 Connect the DC power 1-T extension cable (p/n CDCG-70902-10) single end to the power supply. Connect the DC power extension cables to the 1-T extension cable dual end, and then to each light fixture, i.e. p/n CDCG-70720-10.
- 4 Remove the protective cover on each fixture to expose the LED array. Discard the covers.
- 5 Connect the AC power cable to the power supply, i.e. p/n CACA-70754-10. Wire to AC power per the system wiring diagram, or plug in AC power cables, and test (Refer to Section 6).



#### CAUTION: To protect the LED ARRAY,

- Do NOT remove the protective cover during installation.
- Do NOT contact the LED array or protective cover with sharp object or force that may damage the LED's.
- Do NOT leave the protective cover on the fixture after installation. It will melt when powering the fixture.
- Do NOT plug in AC power BEFORE connecting the power supply to VYPR fixture first.
- Also, the power supply heat sink fin edges may be sharp. The use of gloves is recommended when handling and installing the power supply to reduce the risk of injury.

#### PRECAUCIÓN: Para proteger el LED ARRAY,

- NO retire la cubierta protectora durante la instalación.
- NO entre en contacto con la matriz LED o la cubierta protectora usando un objeto o fuerza afilado que pueda dañar el LED.
- NO deje la cubierta protectora en el aparato después de la instalación. Se derretirá al encender el aparato.
- NO conecte primero la alimentación de CA ANTES de conectar la fuente de alimentación a la unidad VYPR.
- Además, los bordes de la aleta del dissipador térmico de la fuente de alimentación pueden ser afilados.
- Se recomienda el uso de guantes al tocar e instalar la fuente de alimentación para reducir el riesgo de lesiones.

#### MISE EN GARDE : Pour protéger le réseau de DEL

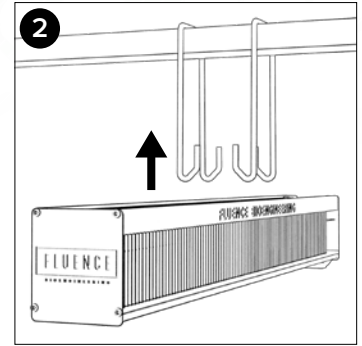
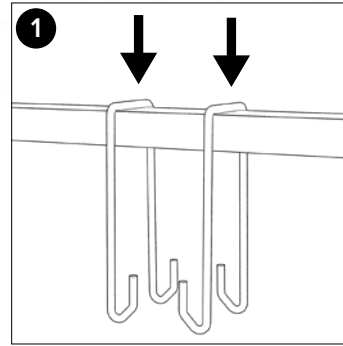
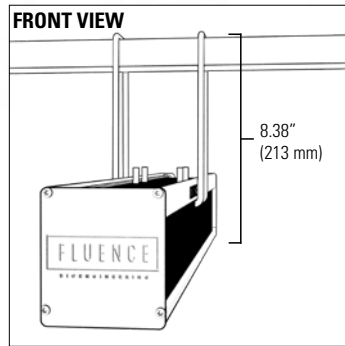
- NE PAS retirer le couvercle de protection pendant l'installation.
- NE PAS mettre en contact la matrice de DEL ou le couvercle de protection avec un objet pointu ou une force qui pourrait endommager les DEL.
- NE PAS laisser le capot de protection sur le luminaire après l'installation. Il fondra lors de la mise sous tension de l'appareil.
- NE PAS brancher l'alimentation CA AVANT de connecter l'alimentation au luminaire VYPR.
- De plus, les bords des ailettes du dissipateur thermique de l'alimentation électrique peuvent être coupants. L'utilisation de gants est recommandée lors de la manipulation et de l'installation de l'alimentation électrique afin de réduire le risque de blessure.

- 6 Optional: if connecting to a dimmer system or controller, remove the dust cap on the power supply, and connect a Fluence wet location dimming cable, i.e p/n CDMA-71561-10.

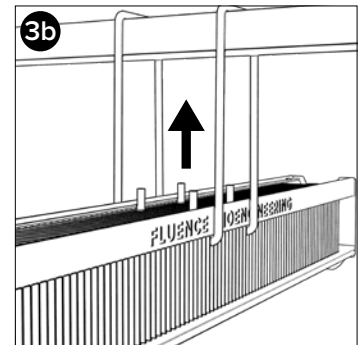
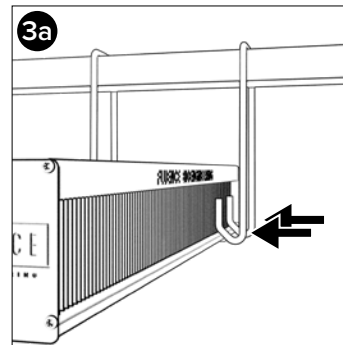
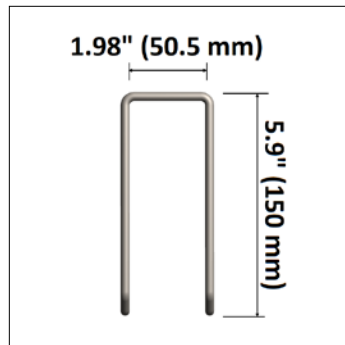
## 8. REMOTE MOUNTING INSTRUCTIONS

### 8.1 VYPR Perpendicular Mount Kit (AMV3-10572-20)

Suitable for 25 mm x 50 mm T-slotted strut.

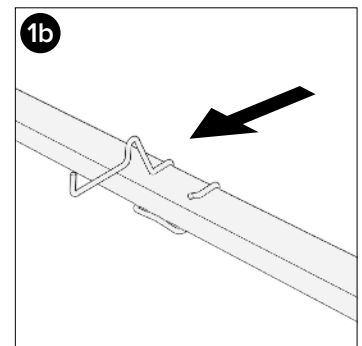
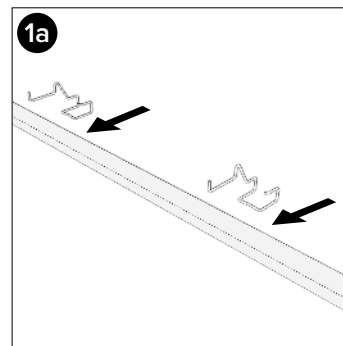
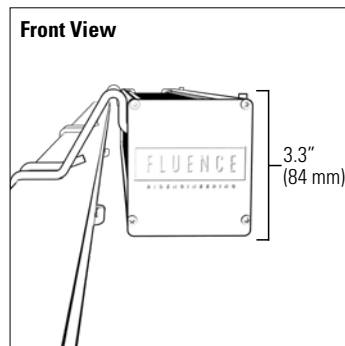
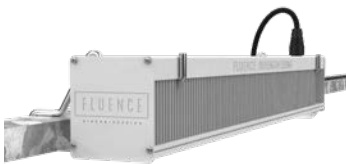


- 1 Take (2) mounting hangers. Hang both brackets over the support structure as shown.
- 2 Hold the VYPR fixture up to the hangers, perpendicular to the support structure, as shown.
- 3 Hook the hanger ends on each side onto the VYPR fixture as shown between the cooling fins.

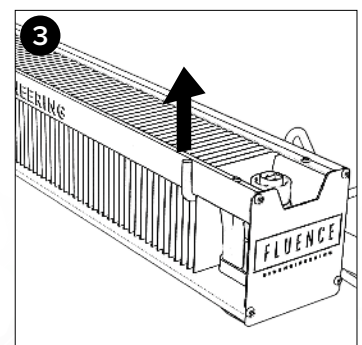
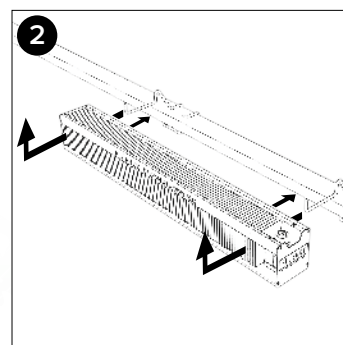
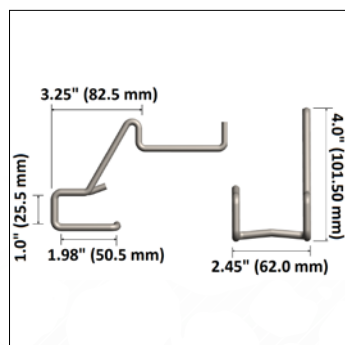


### 8.2 VYPR Parallel Mount Kit (AMV3-10571-20)

Suitable for 25 mm x 50 mm T-slotted strut.



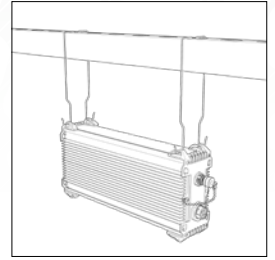
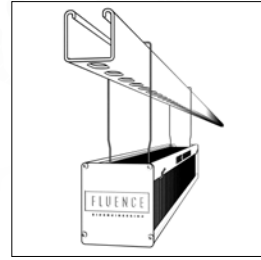
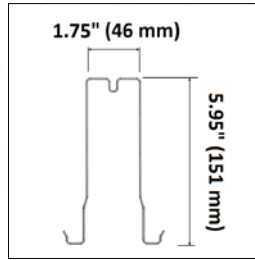
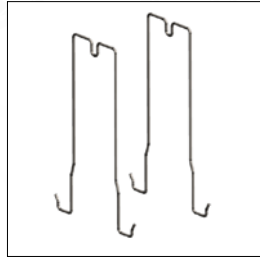
- 1 Take (2) mounting hangers. Hang both brackets on the support structure as shown.
- 2 Hold the VYPR fixture up to the hangers, and slide onto the brackets. Guide the bracket arms through the cooling fins and rest the VYPR fixture on the arms.
- 3 Ensure that the bracket arm hooks are all the way through and secure against the outside of the VYPR fixture frame shown.



## 8. REMOTE MOUNTING INSTRUCTIONS

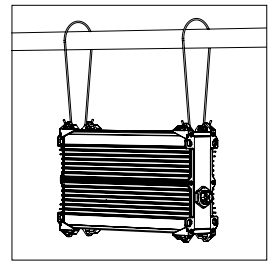
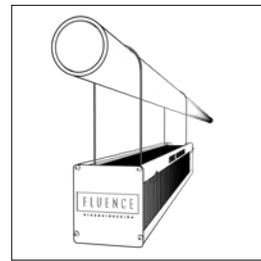
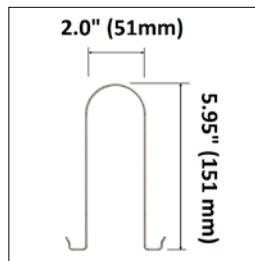
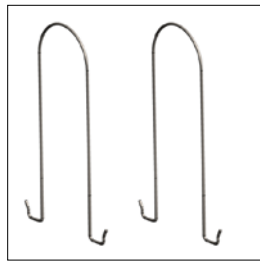
### 8.3 Unistrut Hanger Kit (AMV2-10120-20)

Suitable for Unistrut up to  $1\frac{5}{8}$ " (45 mm) wide.



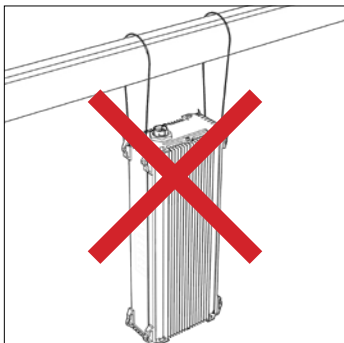
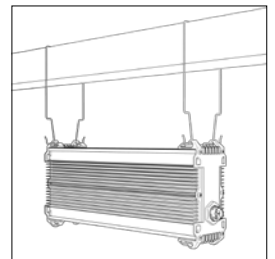
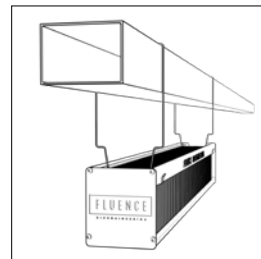
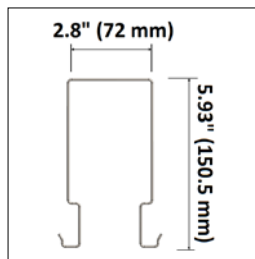
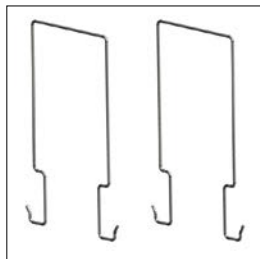
### 8.4 Pipe Hanger Kit (AMV2-10121-20)

Ideal for mounting under pipes up to  $1\frac{3}{4}$ " (45 mm) in diameter, or can be paired with chain or cable to suspend the fixture lower while the pipe bracket levels the fixture.



### 8.5 Square Hanger Kit (AMV2-10119-20)

Suitable for trusses or channel up to  $2\frac{3}{4}$ " (70 mm) wide.



**IMPORTANT: DO NOT** mount the power supply vertically using wire-form type hangers. To mount the power supply vertically, use a Surface Mount Kit secured to a flat surface.

**IMPORTANTE: NO** coloque la fuente de alimentación verticalmente utilizando perchas de forma de alambre. Para montar la fuente de alimentación verticalmente, utilice un kit de montaje en superficie fijado a una superficie plana.

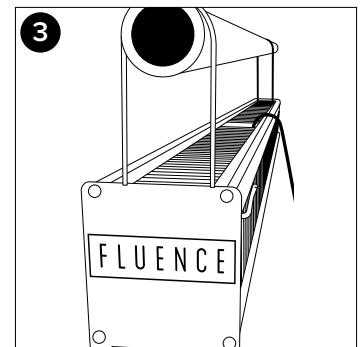
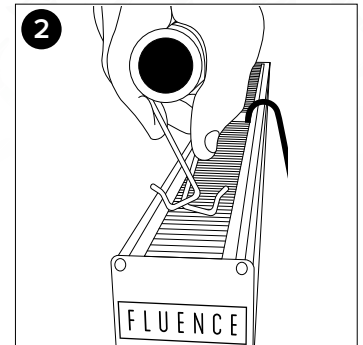
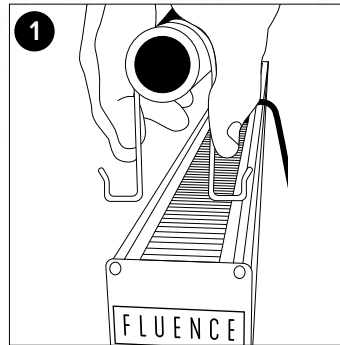
**IMPORTANT: NE PAS** monter l'alimentation électrique à la verticale en utilisant des supports de type fil de fer. Pour monter l'alimentation électrique à la verticale, utilisez un kit de montage en surface fixé sur une surface plane.



## 8. REMOTE MOUNTING INSTRUCTIONS

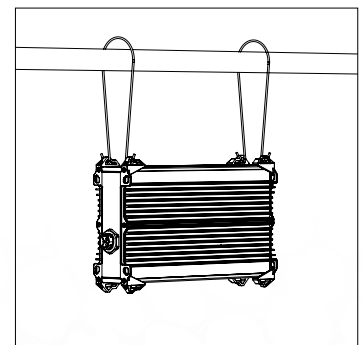
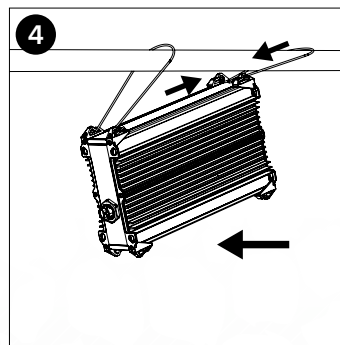
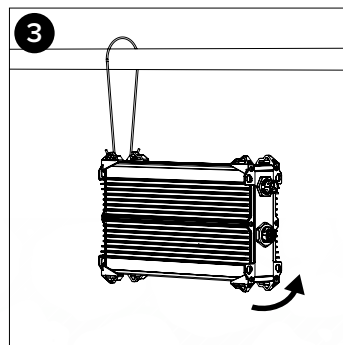
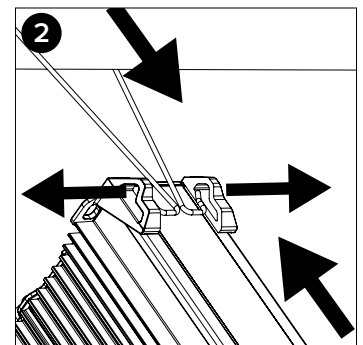
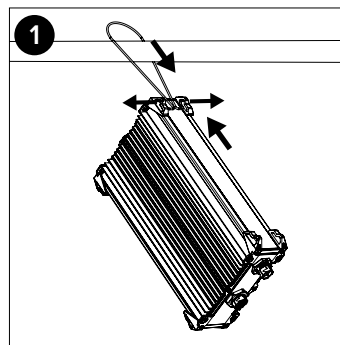
### Light Fixture with Unistrut, Pipe, or Square Hanger Kit

- 1 Take (2) mounting brackets. Hang a bracket over the support structure and hold up the VYPR fixture under it.
  - 2 While maintaining a firm grip on both, pinch the bottom of the bracket inward and insert it into the top of VYPR heatsink between the fins, release the tension of the bracket.
  - 3 When installed properly, the bracket should hook into both sides of the VYPR heatsink frame to provide a level and secure mount.
- Repeat steps 1-3 on the other side of the fixture to finish mounting your VYPR. The two brackets should be centered to the fixture and widely spaced out, with 3"-8" to the fixture edge.
- 4



### Power Supply Remote with Unistrut, Pipe, or Square Hanger Kit

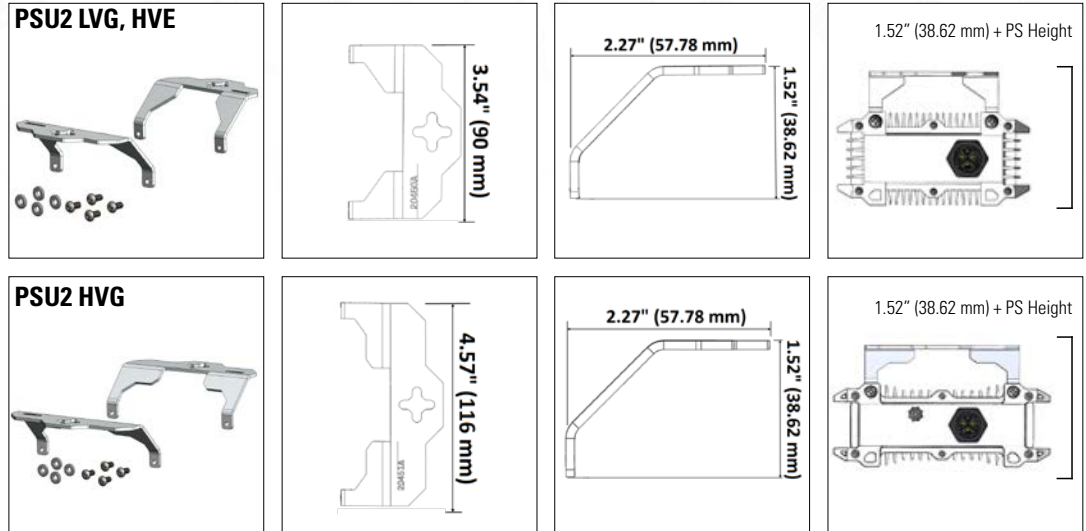
- 1 Take (2) mounting brackets and hang a bracket over the support structure. Locate the holes for brackets on the narrow side of PSU power supply, hold up the power supply under the support structure under it.
- 2 While maintaining a firm grip on both, pinch the bottom of the bracket inward and horizontally insert it into the receiving holes on the PSU power supply, release the tension of the bracket.
- 3 Lift the ends of the brackets up to a 90° angle. Repeat above steps to install another bracket on the PSU power supply.



## 8. REMOTE MOUNTING INSTRUCTIONS

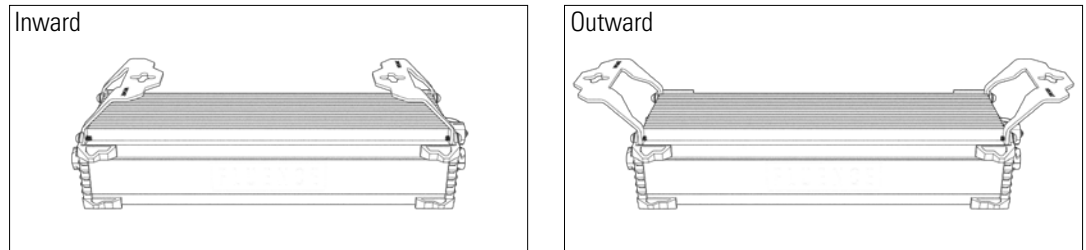
### 8.6 Power Supply Remote with Surface Mount Kit (For AC Input Voltage 277-480 V ONLY)

Surface mount brackets are suitable for mounting to any flat surface that will support the weight of the power supply.



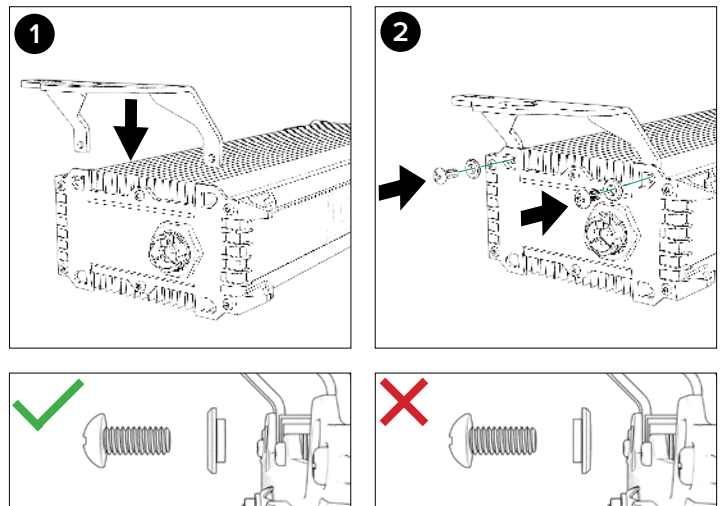
### Bracket Positions

The mounting brackets can be installed outward or inward. If installed inward, it may be necessary to first mount the brackets to the surface.

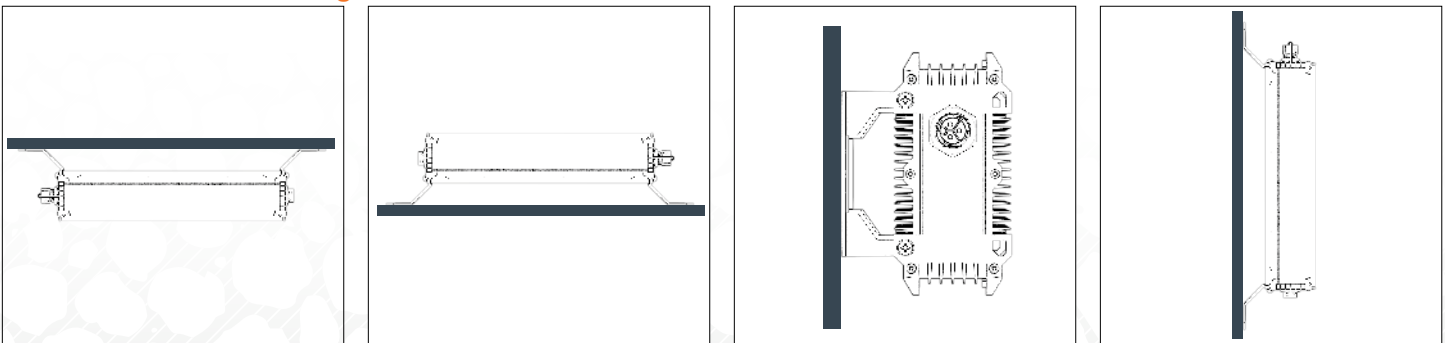


### Bracket Installation

- 1 Place one bracket behind the power supply end plate and align the screw holes
- 2 Install a screw and washer in each hole and tighten. Ensure the washer is installed in the correct direction as shown for proper fit and function. Do not overtighten.
- 3 Repeat steps 1 and 2 at the other end. Mount the power supply to the desired surface using suitable hardware for the surface material, and weight of the power supply.



### Recommended Mounting Positions

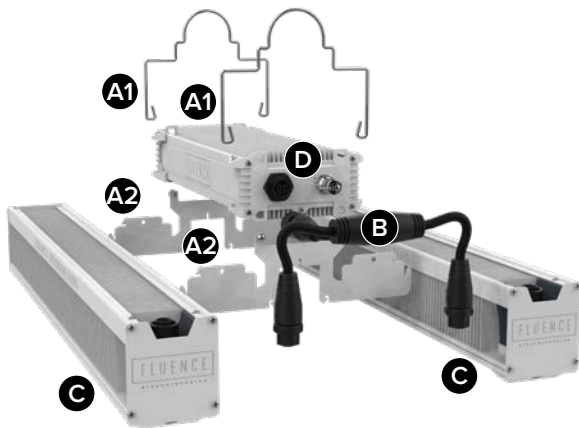


## 9. VYPR DUO 3X2 CRADLE MOUNT



### COMPONENTS

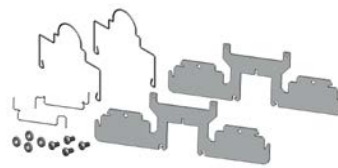
- A.** Cradle Mount Kit
- A1.** Combo Mount Wire Hangers
- A2.** Cradle Mount Brackets
- B.** T-Cable
- C.** VYPR 3x
- D.** PSU2



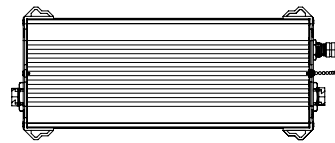
### CRADLE MOUNT KITS WITH POWER SUPPLY

**LVG & HVE Power Supplies**  
(AMV3-10492-10)

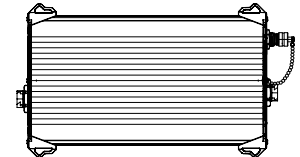
**HVG Power Supply**  
(AMV3-10493-10)



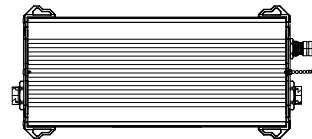
**PSU2 LVG** 600W 120-277 V AC



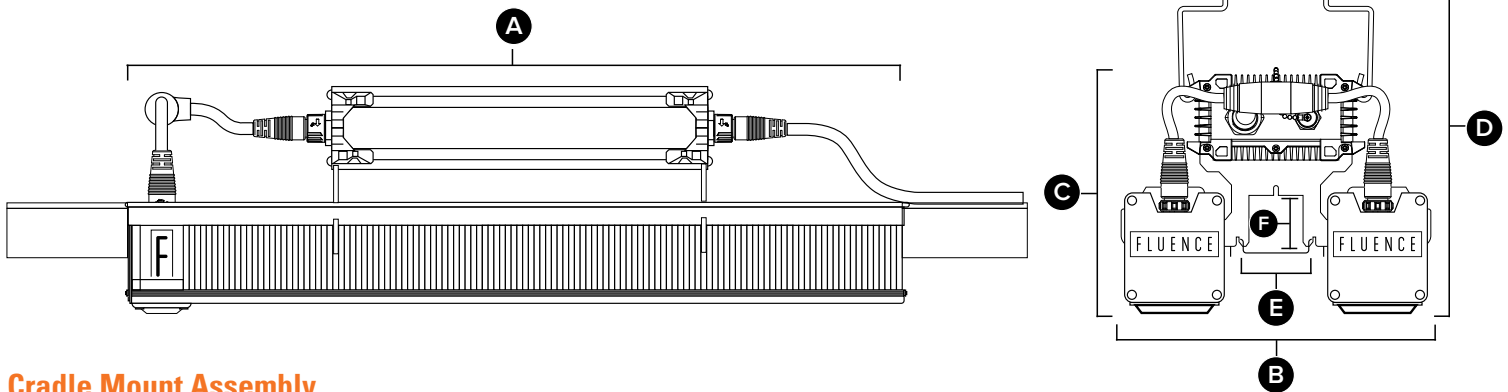
**PSU2 HVG** 600W 347-480 V AC



**PSU2 HVE** 600W 400 V AC

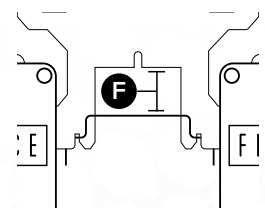


### 9.1 DIMENSIONS AND WEIGHT



### Cradle Mount Assembly

PSU Part Number	DC Current	PSU Type	AC Input	A Length	B Width	C Height	D Drop	E Slot W	F Slot H	Weight	Region
71530	11.7 A	PSU2 LVG	120-277 V 50/60 Hz	24.09"	9.26"	7.0"	11.06"	1.66"	1.64"	17.7 lb 8.0 kg	Global
10506	11.4 A			612 mm	235 mm	178 mm	281 mm	42 mm	41.53 mm		
71537	11.7 A	PSU2 HVG	347-480 V 50/60 Hz	24.09"	9.26"	7.05"	11.07"	1.66"	1.64"	17.0 lb 7.8 kg	Europe
10509	11.4 A			612 mm	235 mm	179 mm	281.2 mm	42 mm	41.53 mm		
71533	11.7 A	PSU2 HVE	400 V 50 Hz	24.09"	9.26"	7.0"	11.06"	1.66"	1.64"	17.0 lb 7.8 kg	Europe
10507	11.4 A			612 mm	235 mm	178 mm	281 mm	42 mm	41.53 mm		



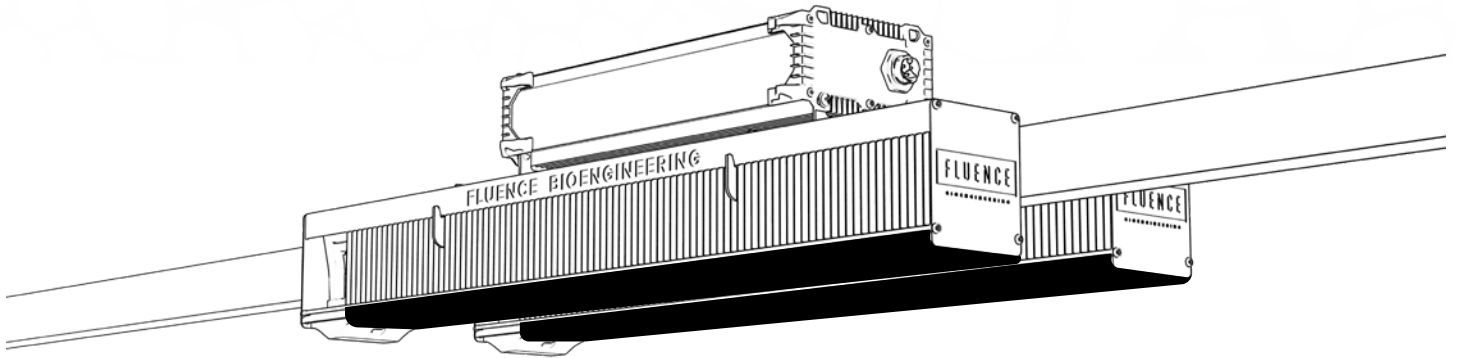
**F-Ait (Clip Installed Up)**  
**0.826" (20.98 mm)**



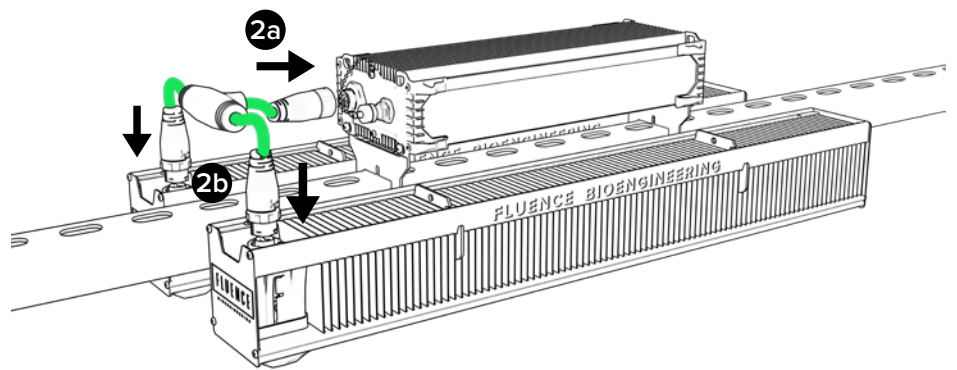
## 9. VYPR DUO 3X2 CRADLE MOUNT

### 9.2 SYSTEM INSTALLATION

- 1 Mount the assembled cradle mount assembly (refer to Sections 10.1 - 10.2 for assembly and mounting instructions) in a location according to your lighting design. Adjust the mounting height according to your lighting design, the bottom of the light fixtures at least 18" above the plant canopy. Also, allow a minimum of 10 inches (25.4 cm) of clearance between the top of the power supply and the ceiling or any hard surface to ensure proper air flow for cooling.



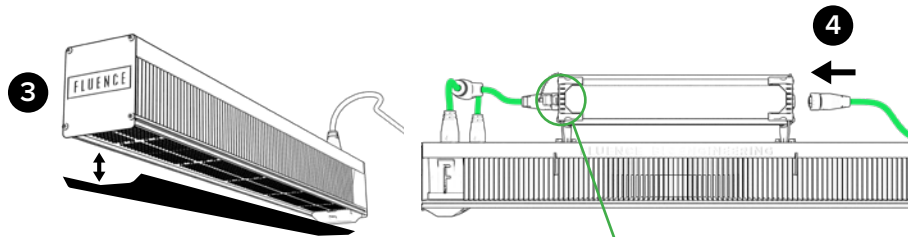
- 2 Connect the DC power 1-T extension cable (p/n CDCG-70902-10) single end to the power supply. Connect the 1-T cable dual end directly to each light fixture as shown.



- 3 Remove the protective cover on each fixture to expose the LED array. Discard the covers.

- 4 Connect the AC power cable to the power supply, i.e. p/n CACA-70754-10. Wire to AC power per the system wiring diagram, or plug in AC power cables, and test (Refer to Section 6).

- 5 Optional: if connecting to a dimmer system or controller, remove the dust cap on the power supply, and connect a Fluence wet location dimming cable, i.e. p/n CDMA-71561-10.



#### CAUTION: To protect the LED ARRAY,

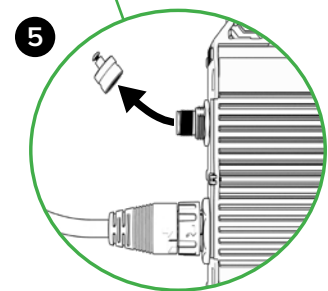
- Do NOT remove the protective cover during installation.
- Do NOT contact the LED array or protective cover with sharp object or force that may damage the LED's.
- Do NOT leave the protective cover on the fixture after installation. It will melt when powering the fixture.
- NO conecte primero la alimentación de CA ANTES de conectar la fuente de alimentación a la unidad VYPR.
- Also, the power supply heat sink fin edges may be sharp. The use of gloves is recommended when handling and installing the power supply to reduce the risk of injury.

#### PRECAUCIÓN: Para proteger el LED ARRAY,

- NO retire la cubierta protectora durante la instalación.
- NO entre en contacto con la matriz LED o la cubierta protectora usando un objeto o fuerza afilado que pueda dañar el LED.
- NO deje la cubierta protectora en el aparato después de la instalación. Se derretirá al encender el aparato.
- NO conecte primero la alimentación de CA ANTES de conectar la fuente de alimentación a la unidad VYPR.
- Además, los bordes de la aleta del dissipador térmico de la fuente de alimentación pueden ser afilados.
- Se recomienda el uso de guantes al tocar e instalar la fuente de alimentación para reducir el riesgo de lesiones.

#### MISE EN GARDE : Pour protéger le réseau de DEL

- NE PAS retirer le couvercle de protection pendant l'installation.
- NE PAS mettre en contact la matrice de DEL ou le couvercle de protection avec un objet pointu ou une force qui pourrait endommager les DEL.
- NE PAS laisser le capot de protection sur le luminaire après l'installation. Il fondra lors de la mise sous tension de l'appareil.
- NE PAS brancher l'alimentation CA AVANT de connecter l'alimentation au luminaire VYPR.
- De plus, les bords des ailettes du dissipateur thermique de l'alimentation électrique peuvent être coupants. L'utilisation de gants est recommandée lors de la manipulation et de l'installation de l'alimentation électrique afin de réduire le risque de blessure.



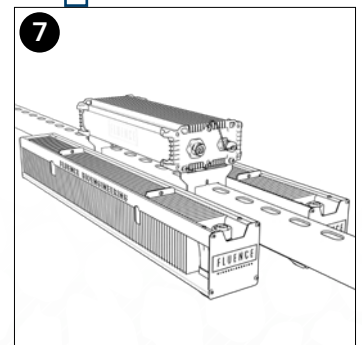
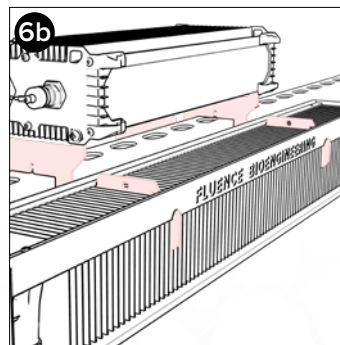
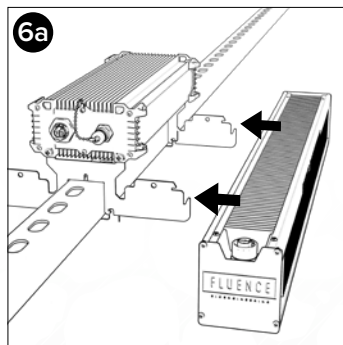
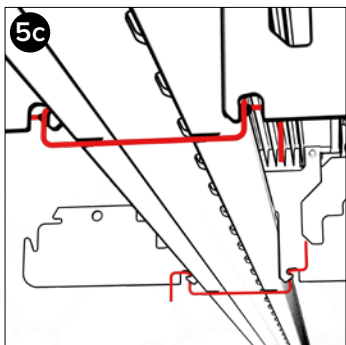
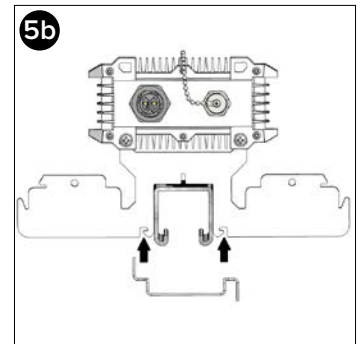
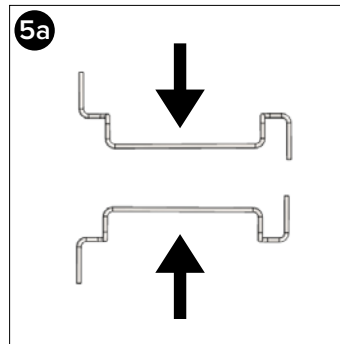
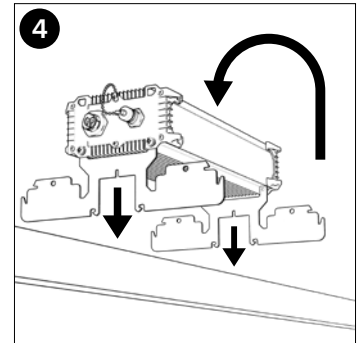
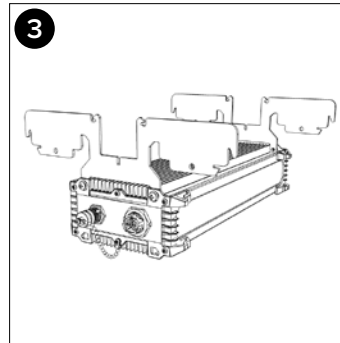
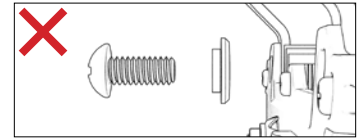
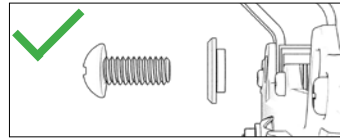
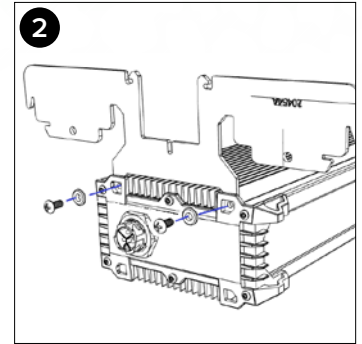
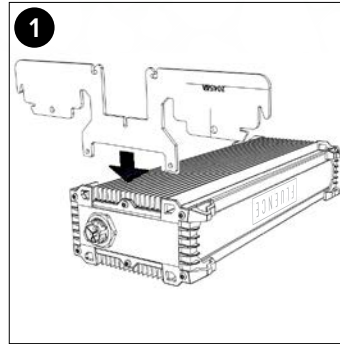
## 10. CRADLE MOUNTING INSTRUCTIONS

### 10.1 Cradle Mount Unistrut Installation (Recommended)

Suitable for Unistrut up to 1 5/8" (41.28 mm) wide and 1 5/8" (41.28 mm) tall.



- 1 Place the power supply on a flat work surface as shown, with the "FLUENCE" name upside down. Place one bracket behind the power supply end plate and align the screw holes.
- 2 Install a screw and washer in each hole and tighten. Ensure the washer is installed in the correct direction as shown for proper fit and function. Do not overtighten.
- 3 Repeat steps 1 and 2 at the opposite end.
- 4 Turn the power supply over. Lift it over the top of the unistrut, and lower it onto the unistrut. Rest it on the unistrut securely in the bracket slots.
- 5 Take (2) wire form clips and install them as shown on the brackets across the bottom of the unistrut. Install the clips downward for 1 5/8" (41.28 mm) tall unistrut, or upward for 13/16" (20.37 mm) tall unistrut.
- 6 Hold a VYPR 3x fixture up to one side of the brackets, and slide it onto the brackets. Align the fixture evenly and guide the brackets between and through the cooling fins. Rest the VYPR 3x fixture on the brackets. Ensure that the brackets are all the way through, and the VYPR fixture top frame rests securely on the brackets as shown.
- 7 Repeat Step 6 to install the second VYPR 3x fixture on the opposite side.

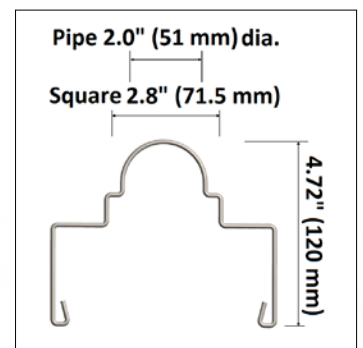
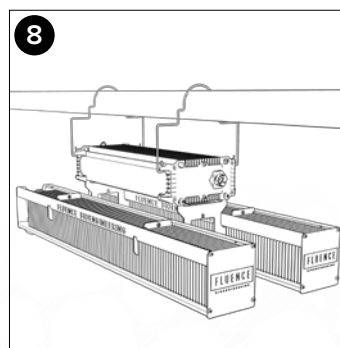
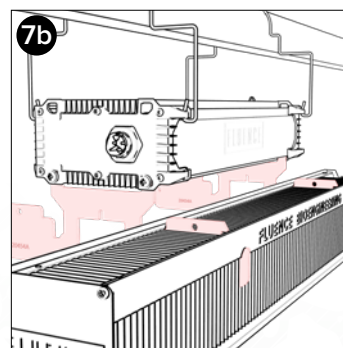
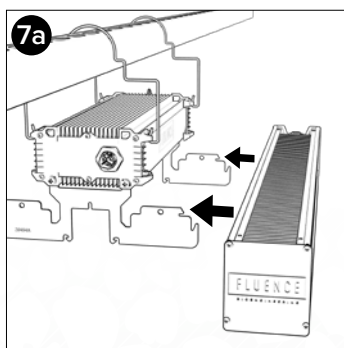
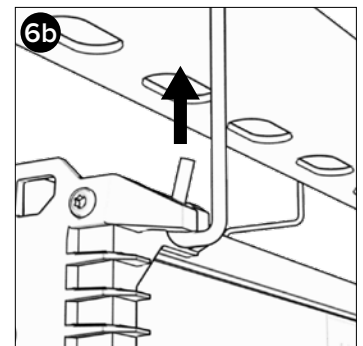
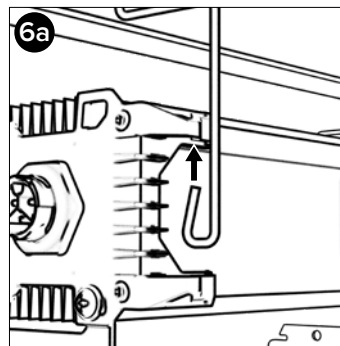
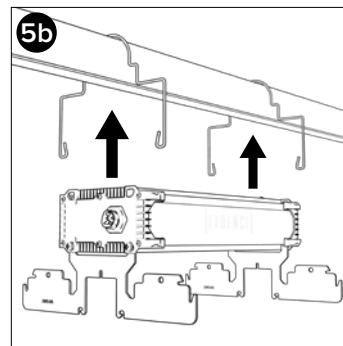
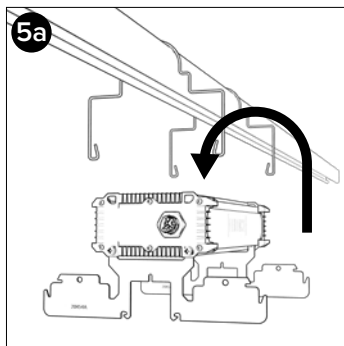
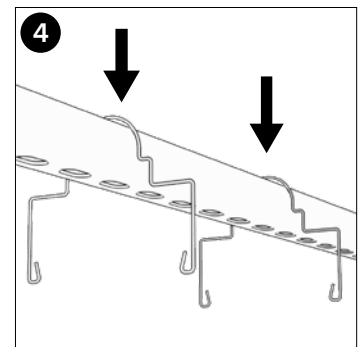
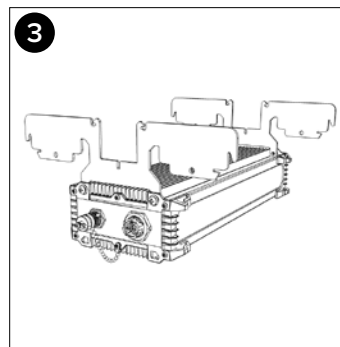
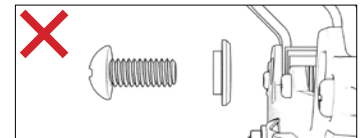
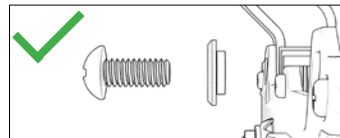
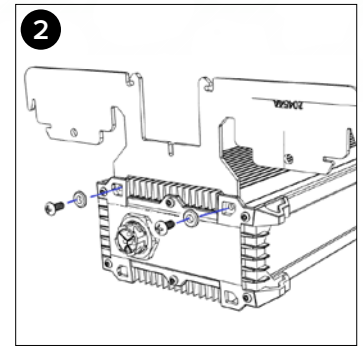
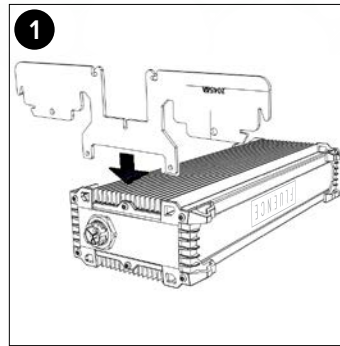


## 10. CRADLE MOUNTING INSTRUCTIONS

### 10.2 Cradle Mount Combo Hanger Installation

Suitable for pipes up to 1 3/4" (45 mm) in diameter, and for trusses or channel up to 2 3/4" (70 mm) wide.

- 1 Place the power supply on a flat work surface as shown, with the "FLUENCE" name upside down. Place one bracket behind the power supply end plate and align the screw holes.
- 2 Install a screw and washer in each hole and tighten. Ensure the washer is installed in the correct direction as shown for proper fit and function. Do not over-tighten.
- 3 Repeat steps 1 and 2 at the opposite end.
- 4 Take (2) mounting hangers. Place both hangers over the support structure as shown.
- 5 Turn the power supply over. Firmly hold the power supply with up to the hangers, in line with the support structure, as shown.
- 6 Hook each hanger end onto the upper loops at each corner of the power supply. Continue to firmly hold the power supply until all 4 loops are securely hooked.
- 7 Hold a VYPR 3x fixture up to one side of the brackets, and slide it onto the brackets. Align the fixture evenly and guide the brackets between and through the cooling fins. Rest the VYPR 3x fixture top frame rests securely on the brackets as shown.
- 8 Repeat Step 7 to install the second fixture on the opposite side.







## 11. OUR PRODUCT GUARANTEE & WARRANTY

Every Fluence Lighting system is engineered and built by Fluence Bioengineering using state-of-the-art robotics and hand craftsmanship. All Fluence Lighting systems are guaranteed against manufacturing defects for five years from date of purchase. Fluence lighting systems comply with applicable standards and are intended to be used with Fluence power supplies, cables and mounting hardware. The use of Fluence lighting systems with power supplies, cables and mounting hardware by others will limit specifications and void the warranty. Contact us at [support@fluence-led.com](mailto:support@fluence-led.com) for more warranty information.

We stand behind our research, we stand behind our technology and we stand behind our clients. [www.fluence.science/warranty/](http://www.fluence.science/warranty/)



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