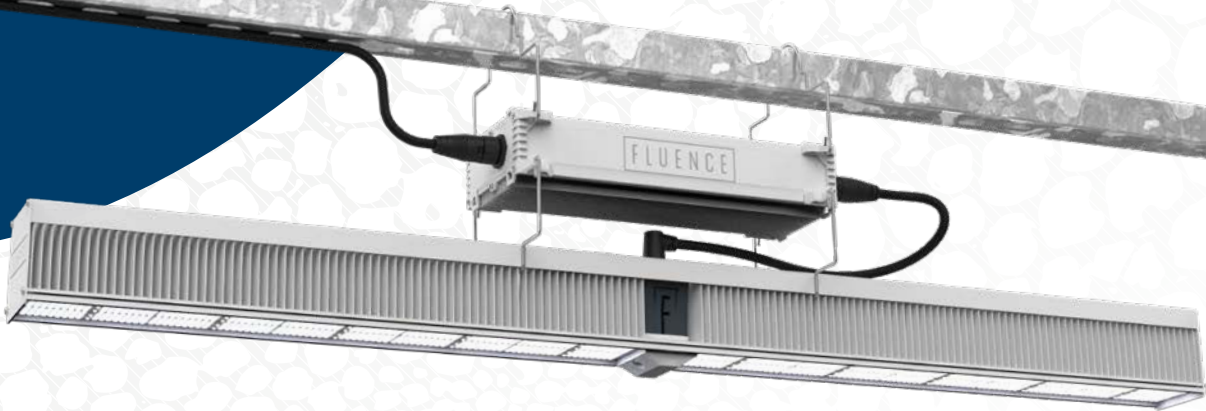


USER & INSTALLATION GUIDE



VYPR 3 Series
3p, 3x, 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

FAMILY	MODEL	PhysioSpec™ SPECTRUM		INPUT VOLTAGE		PACKAGING	
VR VYPR	3P Gen 3 PLUS 3X Gen 3X 3X2 Gen 3 X DUO	BW3	BROAD R3 (Greenhouse)	LVG	120-277V AC	B Bulk Pack S Single Pack	
		BW4	BROAD R4	HVG	347-480V AC ¹		
		BP6	BROAD R6	HVE	347-400V AC ²		
		BP8	BROAD R8	5	480 V AC ²		
		BP9	BROAD R9 ¹				
		HR9	DUAL R9B High Efficacy				
		DR9	DUAL R9B				
		DR5	DUAL R5B (Antho)				
		B4F	BROAD R4 + FAR RED ¹				
		B6F	BROAD R6 + FAR RED ¹				
		B8F	BROAD R8 + FAR RED ¹				

1. Available in VYPR 3p only.

2. Available in VYPR 3x only.

3. Available in VYPR 3p and 3x2 only.

VYPR 3p

PhysioSpec™ SPECTRUM	SKU Abbreviation	Part Number Light Fixture	DC Current	Part Number - Power Supply	
				LVG 600W 120-277V AC	HVG 600W 347-480V AC
BROAD R3 (Greenhouse)	VR-3P-BW3	10396	11.7A	71530	71537
BROAD R4 (Indoor)	VR-3P-BW4	10397		71799	71801
BROAD R6	VR-3P-BP6	10500		71929	71931
BROAD R8	VR-3P-BP8	10499			
BROAD R9	VR-3P-BP9	100-502-00	11.4 A		
DUAL R9B High Efficacy	VR-3P-HR9	10532			
DUAL R9B	VR-3P-DR9	10498		10506	10509
DUAL R5B (Antho)	VR-3P-DR5	10501		10893A-01	10895A-01
BROAD R4 + Far Red	VR-3P-B4F	10697		10919A-01	10921A-01
BROAD R6 + Far Red	VR-3P-B6F	10612			
BROAD R8 + Far Red	VR-3P-B8F	10698			

VYPR 3x

PhysioSpec™ SPECTRUM	SKU Abbreviation	Part Number Light Fixture	DC Current	Part Number - Power Supply		
				PSU2 LVG 320 W 120-277 V AC	PSU2 HVE 320 W 347 V AC	PSE2 HV 320 W 480 V AC
BROAD R3 (Greenhouse)	VR-3X-BW3	10542	6.2 A			
BROAD R4 (Indoor)	VR-3X-BW4	10543		71531	71534	10289
BROAD R6	VR-3X-BP6	10519				
BROAD R8	VR-3X-BP8	10518				
DUAL R9B High Efficacy	VR-3X-HR9	10533	5.9 A			
DUAL R9B	VR-3X-DR9	10517		10534	10535	10546
DUAL R5B (Antho)	VR-3X-DR5	10530				

VYPR 3x2

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
BROAD R3 (Greenhouse)	VR-3X2-BW3	10542	11.7 A		
BROAD R4 (Indoor)	VR-3X2-BW4	10543		71530	71537
BROAD R6	VR-3X2-BP6	10519			
BROAD R8	VR-3X2-BP8	10518			
DUAL R9B High Efficacy	VR-3X2-HR9	10533	11.4 A		
DUAL R9B	VR-3X2-DR9	10517		10506	10509
DUAL R5B (Antho)	VR-3X2-DR5	10530			

1. SYSTEM HARDWARE AND ACCESSORIES

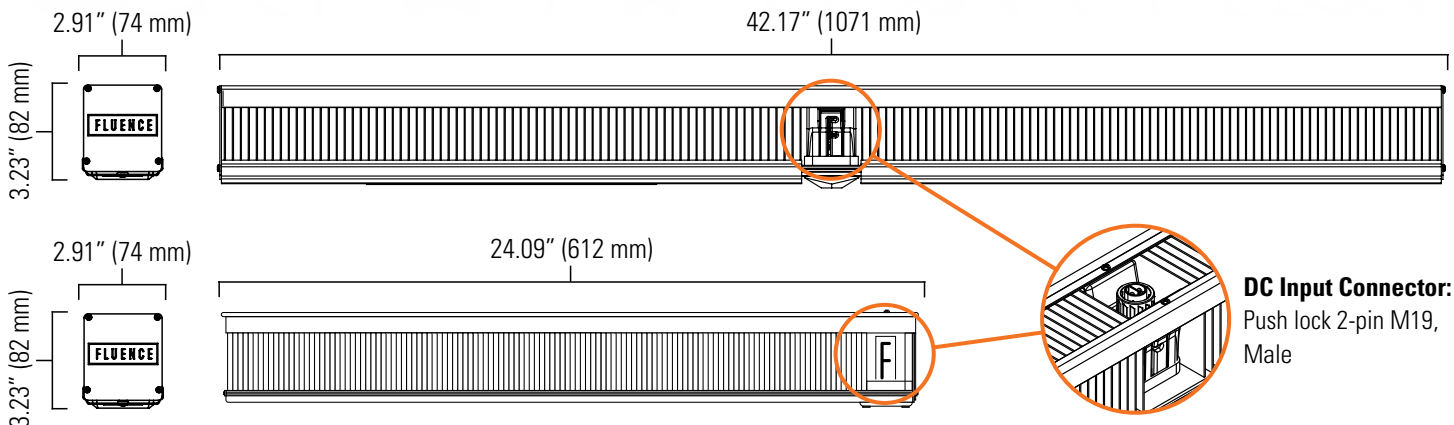
1.2 Dimensions and Weights

VYPR 3p

Length	Width	Height	Weight	Region
42.17" 1071 mm	2.91" 74 mm	3.23" 82 mm	7.8 lb 3.5 kg	Global

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

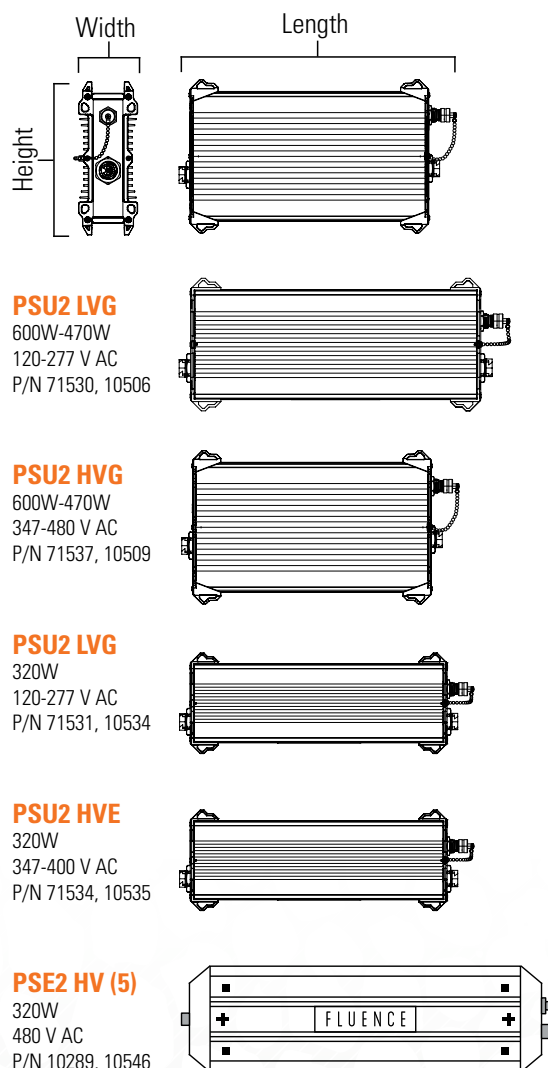


POWER SUPPLIES (3p, DUO 3x2)

Part Number	DC Current	Type	AC Input	Length	Width	Height	Weight	Region
71530	11.7 A	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	
71799	11.7 A			14.57"	5.28"	2.64"	7.7 lb	
10893A-01	11.4 A			370 mm	134 mm	67 mm	3.5 kg	
71929	11.7 A						9.3 lb	
10919A-01	11.4 A						4.2 kg	
71537	11.7 A	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	
17801	11.7 A			13.39"	5.28"	2.64"	7.5 lb	
10895A-01	11.4 A			340 mm	134 mm	67 mm	3.4 kg	
71931	11.7 A						7.5 lb	
10921A-01	11.4 A						3.4 kg	

POWER SUPPLIES (3x)

Part Number	DC Current	Type	AC Input	Length	Width	Height	Weight	Region
71531	6.2 A	PSU2 LVG	120-277 V 50/60 Hz	12.60"	4.29"	2.56"	4.9 lb	Global
10534	5.9 A			320 mm	109 mm	65 mm	2.3 kg	
71534	6.2 A	PSU2 HVE	347-400 V 50/60 Hz	12.60"	4.29"	2.56"	4.9 lb	
10535	5.9 A			320 mm	109 mm	65 mm	2.3 kg	
10289	6.2 A	PSE2 HV (5)	480 V 50/60 Hz	21.87"	6.24"	2.88"	8.2 lb	Americas
10546	5.9 A			555 mm	159 mm	73 mm	3.7 kg	



1. SYSTEM HARDWARE AND ACCESSORIES

1.2 Dimensions and Weights

VYPR DUO 3x2 Cradle Mount

COMPONENTS

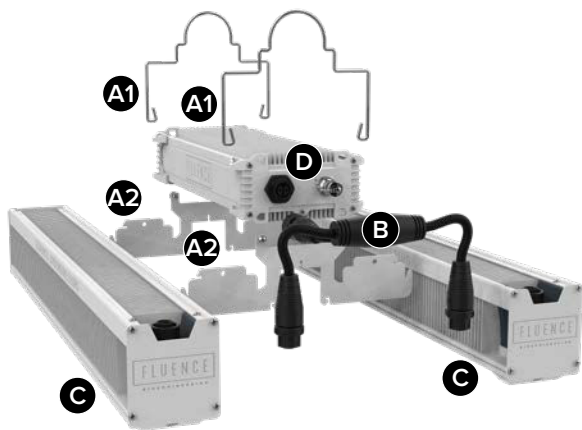
- A. Cradle Mount Kit

A1. Combo Mount Wire Hangers

A2. Cradle Mount Brackets
- B. T-Cable

C. VYPR 3x

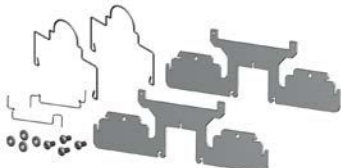
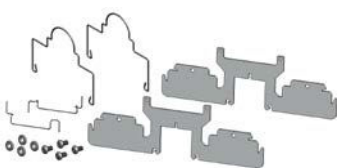
D. PSU2



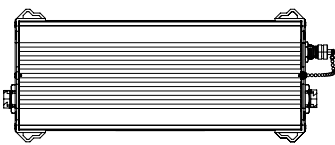
CRADLE MOUNT KITS WITH POWER SUPPLY

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

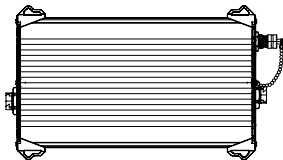
HVG Power Supply
(AMV3-10493-10)



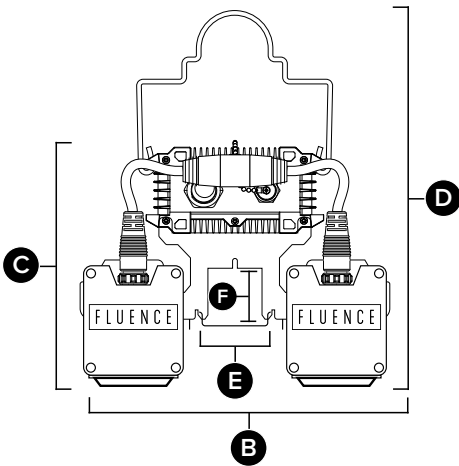
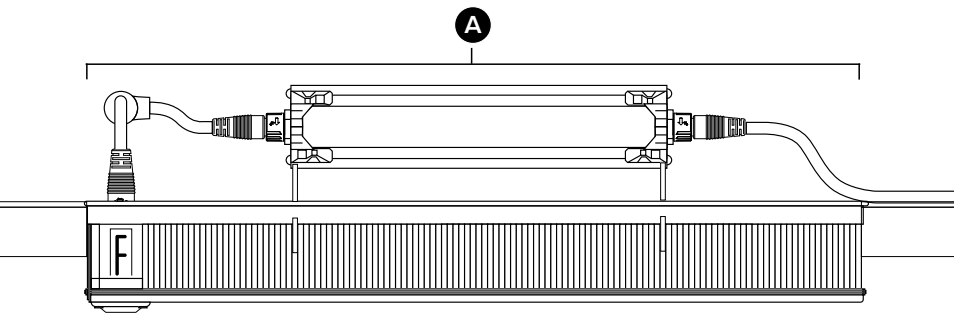
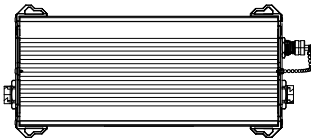
PSU2 LVG 600W 120-277 V AC



PSU2 HVG 600W 347-480 V AC

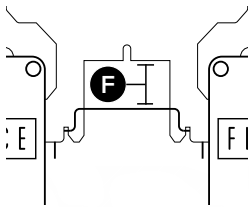


PSU2 HVE 600W 400 V AC



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	24.09"	9.26"	7.0"	11.06"	1.66"	1.64"	17.7 lb 8.0 kg	Global
10506	11.4 A		50/60 Hz	612 mm	235 mm	178 mm	281 mm	42 mm	41.53 mm		
71537	11.7 A	PSU2 HVG	347-480 V	24.09"	9.26"	7.05"	11.07"	1.66"	1.64"	17.7 lb 8.0 kg	Global
10509	11.4 A		50/60 Hz	612 mm	235 mm	179 mm	281.2 mm	42 mm	41.53 mm		
71533	11.7 A	PSU2 HVE	400 V	24.09"	9.26"	7.0"	11.06"	1.66"	1.64"	17.0 lb 7.8 kg	Europe
10507	11.4 A		50 Hz	612 mm	235 mm	178 mm	281 mm	42 mm	41.53 mm		



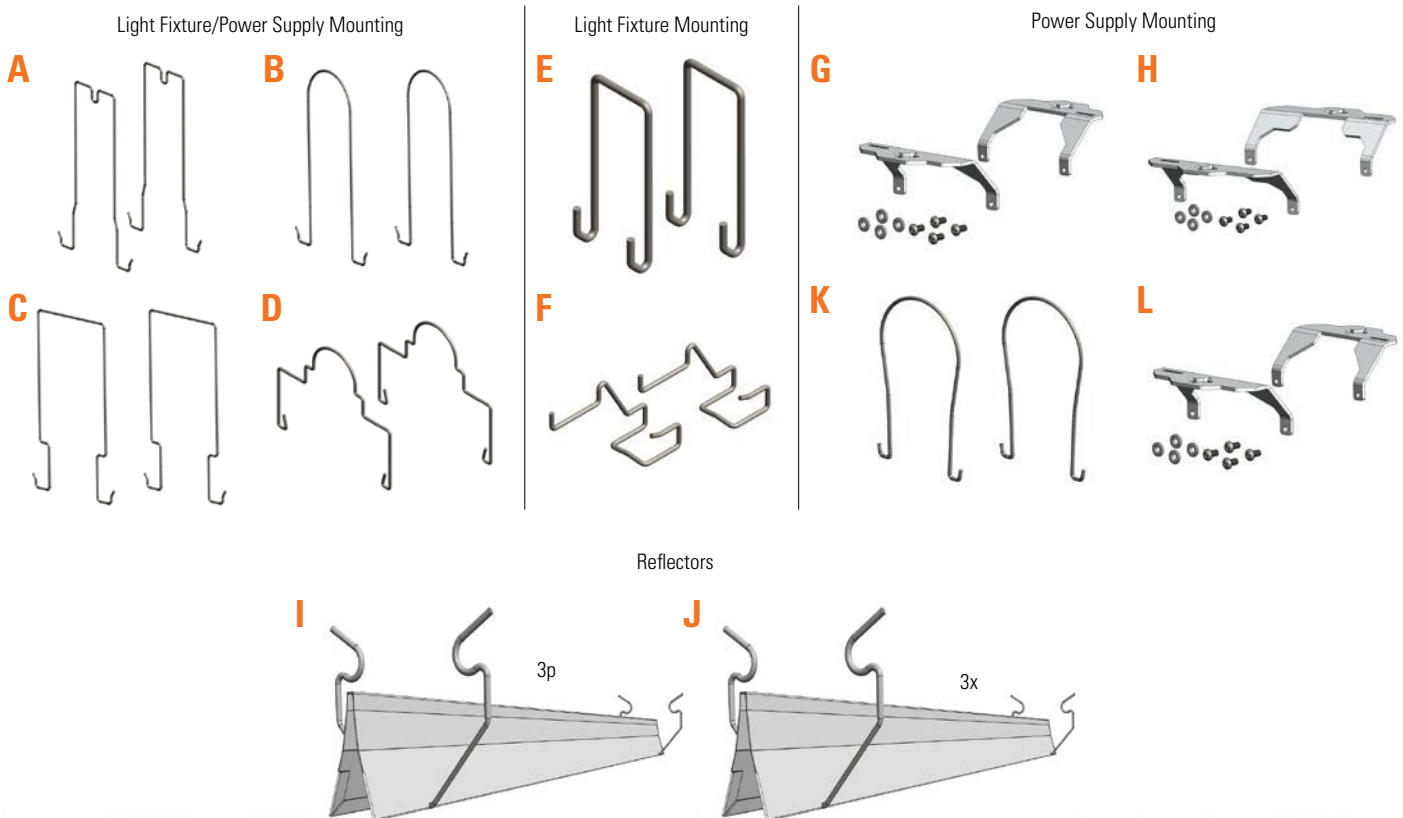
F-Alt (Clip Installed Up)
0.826" (20.98 mm)

1. SYSTEM HARDWARE AND ACCESSORIES

1.3 Mounting Hardware (Sold and Packaged Separately)

MOUNTING HARDWARE		Quantity per Light Fixture	Power Supply PSU2 LVG 600W 120-277V AC	Power Supply PSU2 HVG 600W 347-480V AC	Ordering Code	QTY/ Carton
A	Unistrut Wire Hanger (unistrut width $\leq 1\text{-}5/8"$ / 45 mm)	1 Kit	1 Kit	1 Kit	AMV2-10120-20	20 Kits
B	Pipe Wire Hanger (Pipe diameter $\leq 1\text{-}3/4"$ / 45 mm)	1 Kit	1 Kit	1 Kit	AMV2-10121-20	20 Kits
C	Square Wire Hangers (truss width $\leq 2\text{-}3/4"$ / 70mm)	1 Kit	1 Kit	1 Kit	AMV2-10119-20	20 Kits
D	Combo Mount Wire Hanger (For AC Input Voltage 277-480 V ONLY)	1 Kit	1 Kit	1 Kit	AMV3-10569-20	20 Kits
E	VYPR Perpendicular Mount Wire Hanger (for strut 25x50 mm)	1 Kit	N/A	N/A	AMV3-10572-20	20 Kits
F	VYPR Parallel Mount Bracket (for strut 25x50 mm)	1 Kit	N/A	N/A	AMV3-10571-20	20 Kits
G	PSU2 LVG 600W (For AC Input Voltage 277 V ONLY) surface mount Kit	N/A	1 Kit	N/A	AMPS-10453-10	10 Kits
H	PSU2 HVG 600W surface mount Kit	N/A	N/A	1 Kit	AMPS-10454-10	10 Kits
I	VYPR 3P Reflector Kit 20-inch	2 Kits	N/A	N/A	ARV3-10529-40	40 Kits
			N/A	N/A	ARV3-10529-10	10 Kits
J	VYPR 3X Reflector Kit 22-inch	1 Kit	N/A	N/A	ARV2-10464-40	40 Kits
			N/A	N/A	ARV2-10516-10	10 Kits

MOUNTING HARDWARE (VYPR 3x only)		Quantity per VYPR 3X	Power Supply PSU2 LVG 320W 120-277 V AC	Power Supply PSU2 HVG 320W 347-400 V AC	Power Supply PSE2 HV 320W 480 V AC	Ordering Code	QTY/ Carton
K	PSE2 HV 480V 320W Power Supply Pipe Wire Hanger	N/A	N/A	N/A	1 Kit	AMPS-10570-20	20 Kits
L	PSU2 LVG, HVE 320W Power Supply Surface Mount Kit	N/A	1 Kit	1 Kit	N/A	AMPS-10491-10	10 Kits

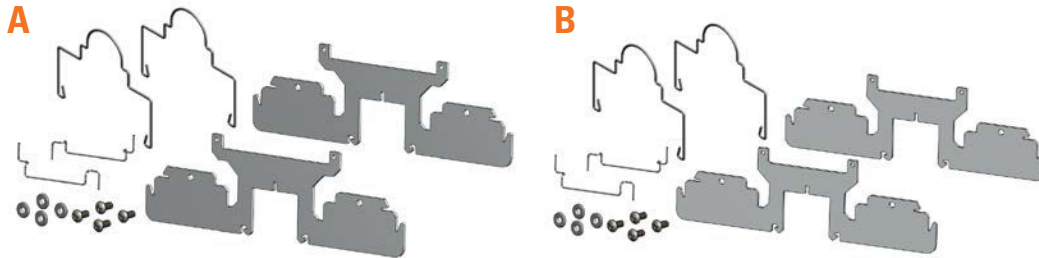


Note: Please refer to the instructions included with the reflector kit for installation.

1. SYSTEM HARDWARE AND ACCESSORIES

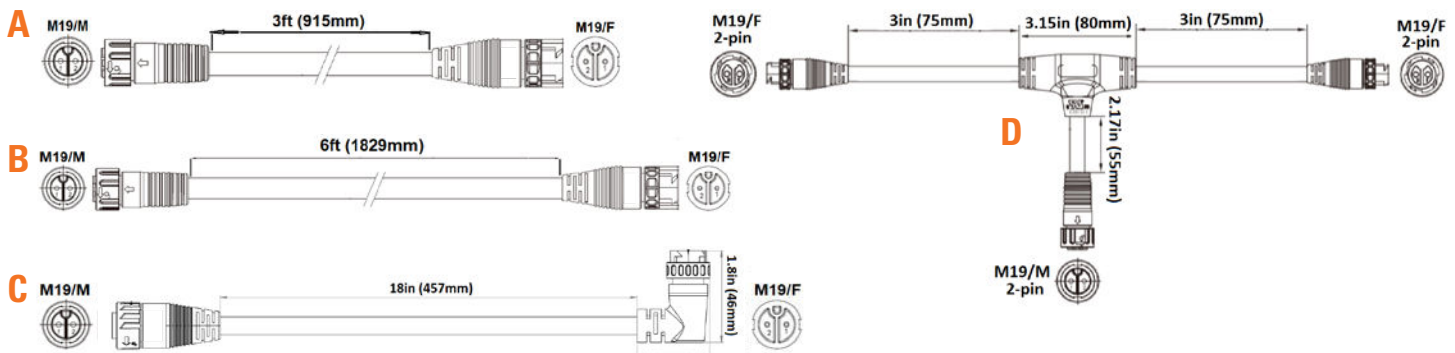
1.3 Mounting Hardware (Sold and Packaged Separately)

MOUNTING HARDWARE (VYPR DUO 3x2 Only)		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
A	VYPR Cradle Mount Kit for System with LVG/HVE 600W PSU2 Power Supply	1 Kit	N/A	1 Kit	AMV3-10492-10	10 Kits
B	VYPR Cradle Mount Kit for System with HVG 600 WPSU2 Power Supply	N/A	1 Kit	N/A	AMV3-10493-10	10 Kits



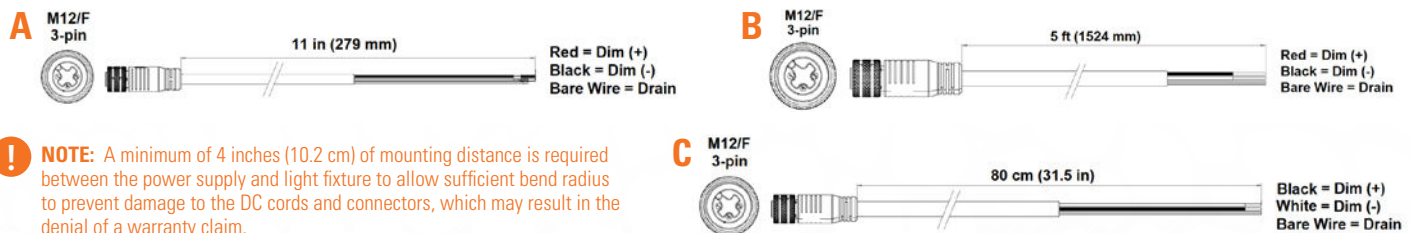
1.4 DC Power Cables (Sold and Packaged Separately)

DC POWER CABLES (Fixture to Power Supply) GLOBAL		Quantity per Power Supply	Ordering Code	QTY/ Carton
A	3-FT (0.91 m) DC Extension Cable, M19 Push Lock	1 pc	CDCG-70720-10	10 pcs
B	6-FT (1.83 m) DC Extension Cable, M19 Push Lock	1 pc	CDCG-70721-10	10 pcs
C	18-IN (0.46 m) Right Angle DC Extension cable, M19 Push Lock - for Combo Mount, PSU2 Surface Mount	1 pc	CDCG-71591-10	10 pcs
D	DC 1-T Extension Cable for 3x2 Cradle Mount, M19 Push Lock	1 pc	CDCG-70902-10	10 pcs



1.5 DC Dimming Cables (Sold and Packaged Separately)

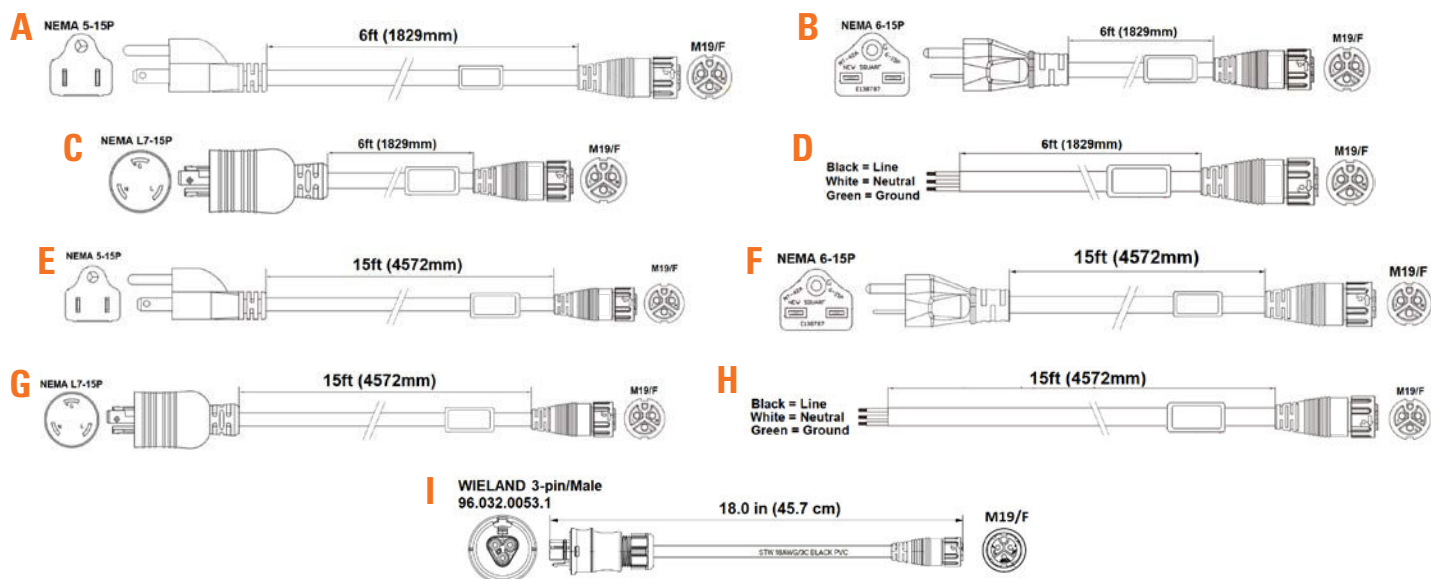
DC DIMMING SIGNAL CABLE (Power Supply to control)		Quantity per Power Supply	Ordering Code	QTY/ Carton	Region
A	11 IN (279 mm) dimming signal cable, pigtail, M12 connector	1 pc	CDMA-71561-10	10 pcs	Americas
B	5 ft (1524 mm) dimming signal cable, pigtail, M12 connector	1 pc	CDMA-71560-10	10 pcs	Americas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



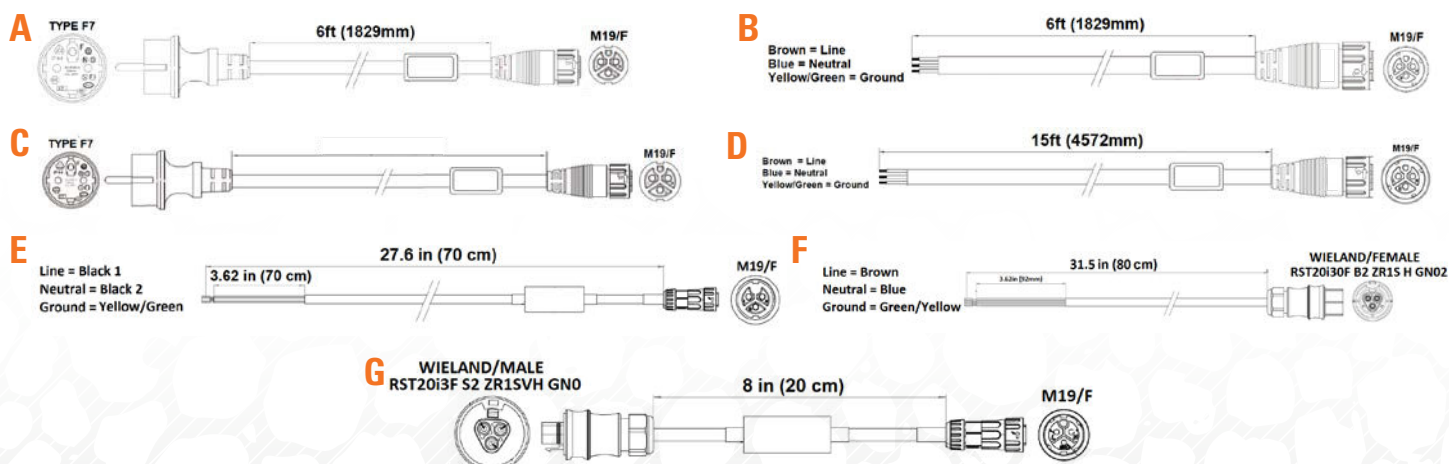
1. SYSTEM HARDWARE AND ACCESSORIES

1.6 AC Power Cables (Sold and Packaged Separately)

AC POWER CABLE (Power Supply to AC Line) AMERICAS		Quantity per Power Supply	Ordering Code	QTY/ Carton
A	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	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
C	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
D	6-FT (1.83 m) AC Extension Cable, Pigtail, M19 Push Lock, Max 480 V AC	1 pc	CACA-70754-10	10 pcs
E	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
F	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
G	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
H	15-FT (4.57 m) AC Extension Cable, Pigtail, M19 Push Lock, Max 480 V AC	1 pc	CACA-70755-05	5 pcs
I	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
A	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	1,83 m (6 FT) AC Cable, VDE, pigtail, M19 Push Lock (not for CE countries)	1 pc	CACE-71161-10	10 pcs
C	4,57 m (15 FT) AC Cable, VDE, Schuko Type F7 plug, M19 Push Lock, 230V AC	1 pc	CACE-70775-05	5 pcs
D	4,57 m (15 FT) AC Cable, VDE, pigtail, M19 Push Lock (not for CE countries)	1 pc	CACE-71162-05	5 pcs
E	70 cm (27,6 IN) AC Cable, DCA, pigtail, M19 Push Lock (230/400V CE application)	1 pc	CACE-71411-10	10 pcs
F	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
G	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

Turn off and disconnect the power before installation. Installation should be performed by a qualified electrician in accordance with all national and local electrical and construction codes and regulations.

- DO NOT attempt to install or use this product until you have fully read and understand the installation instructions contained in this user and installation guide and on the product safety labels. Failure to follow the Fluence product instructions and safety label advice may result in damage to the product, damage to property, or personal injury. Be sure to retain a copy of this user guide after installation for future reference.
- Risk of Electrical Shock. Turn off and disconnect the power before installing, moving, or cleaning to reduce the possibility of serious injury. DO NOT disconnect cables from the power supply or LED light bar while energized.
- Only connect the system to an electrical outlet or circuit of appropriate type and rating for the cord and plug. Connect the system only to power sources of the correct voltages and frequencies listed in the product specifications.
- Protect power cables from being pinched, walked on, or otherwise damaged.
- Use a strain-relief or power cord grip if needed. Maintain a minimum of 1" (2.5 cm) bend radius for all cables.
- Use IP wet-rated junction boxes and fittings for the power cords equal to the IP rating of the rating of the lighting system for the application.
- DO NOT connect to live power until installation is complete and all connections are made.
- DO NOT modify or alter the product; doing so will void the warranty. Please refer to the Fluence Terms and Conditions and Limited Warranty for further details.
- LED and heatsink surfaces may be hot. DO NOT touch while in operation. Allow sufficient cooling time before handling.
- 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.

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. If the luminaire is accidentally exposed to a corrosive liquid or vapor (e.g. VOC –Volatile Organic Compound and H₂S – 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 exposed or remains in the corrosive environment. It is recommended the luminaires be removed and protected from the corrosive environment during all periods of disinfection or sanitization of the facility.

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. For more information: www.P65Warnings.ca.gov.

PHOTOBIOLOGICAL HAZARD SAFETY

Photobiological safety of lamps and lamp systems (IEC/EN 62471 and TR 62778). This International Standard describes the photobiological safety of lamps and lamp systems, including luminaires. The rating of this product according to this standard can be found in the table below.

Ordering Code	Radiation hazard - Retinal Blue Light 300-700 nm	Minimum viewing distance (meter/inch)	All Other Radiation Hazards
VR-3p-DR9-xxx-x	Risk Group 2 (Moderate)	2.6 / 102.36	Exempt Group (None)
VR-3x-DR9-xxx-x			
VR-3x2-DR9-xxx-x			
All Others	Risk Group 1 (Low)	N/A	



Retinal Blue Light Radiation Hazard - RISK GROUP 2
CAUTION: POSSIBLY HAZARDOUS OPTICAL RADIATION EMITTED FROM THIS PRODUCT. DO NOT STARE AT THE OPERATING LAMP. MAY BE HARMFUL TO THE EYE.

These photobiological safety markings are based on testing of the light output characteristic of a single horticultural luminaire. Increased exposure risk to facility personnel may be present depending upon the number of horticultural luminaires and their placement and/or positioning within the plant growth facility.

It is the responsibility of the plant growth facility to address these risks at the facility level and to ensure that people entering the plant growth areas while the lights are on are aware of these risks and that appropriate safeguards are in place.



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

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



D Produkt zur Raumbeleuchtung 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 Product niet geschikt voor huishoudelijke verlichtingsdoeleinden S Produkten ar ej lamplig for hushallsbelysning FIN Tuotetta ei voida käyttää 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 жарамайды 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 prostorija u kućanstvu RO Produsul nu este adecvat pentru iluminatul locuinței BG Продуктът не е подходящ за жилищно-битово осветление EST Toode ei sobi majapidamisvalgustiks LT Prietaisas neskirias 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-Geratekennzeichen: 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 deshechar con los residuos domésticos. El desecho adecuado del producto y el embalaje deberá llevarse a cabo de conformidad con la ley nacional aplicable. P Identificacao do dispositivo REEE: 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 Απορριψη του συσκευασίας WEEE: Μην απορρίπτετε με τα οικιακά απορρίμματα! Η απόρριψη του προϊόντος και της συσκευασίας πρέπει να γίνεται σύμφωνα με την ισχύουσα εθνική νομοθεσία. NL WEEE-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 hushallsoppar! Produkten och förpackningen måste slängas på ett korrekt sätt i enlighet med gällande nationell lag. FIN WEEE-laitetunnus: Älä havita kotitalousjätteen seassa! Tuotteen ja pakkauksen asianmukainen hävittäminen on suoritettava soveltuvien paikallisten lakien mukaisesti. N WEEE Enhetsidentifikasjon: Skal ikke kastes i husholdningsavfallet! Riktig avhending av produktet og emballasjen 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 zařazení podle systému WEEE: Nevylazovat do domovního odpadu! Správna likvidace výrobku a obalu musí být provedena v souladu s platnými národními legislativními předpisy. RUS Идентификация устройства в соответствии с Директивой ЕС (WEEE) об отходах электрического и электронного оборудования: 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 қойысымен бірге тастамаңыз! Бұл өнім мен оның қаптамасының тасталуы қолданыстағы ұлттық заңға сай дұрыс орындалуы тиіс. H WEEE keszulek azonosító: Kommunális hulladékból helyezni tilos! A termék és a csomagolás megfelelő ártalmatlanítással a hatályos nemzeti szabályozás szerint kell elvegezni. 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! Rádna likvidácia tohto produktu a obalov sa musí vykonať v súlade s národnými právnymi predpismi. SLO Identiifikacija izdelka v smislu OEE: Ne zavrzite med gospodinske odpadke! Izdelek in embaložo je treba med odpadke zavreči ustrezno 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 в 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 oigusaktidega. LT WEEE įrenginio identifikacija: nešalinti kartu su buitinių atliekomis! Gaminio ir pakuotės šalinimas turi būti atliekamas pagal šalies galiojančius įstatymus. LV WEEE ierīces identifikācija: neizmest sadzīves 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.

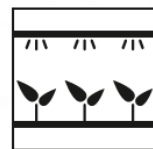


D Produkt, bei der der Schutz gegen elektrischen Schlag auf der Anwendung der Schutzkleinspannung (SELV) beruht und in der Spannungen höher als SELV nicht erzeugt werden. GB The product protects against risk of electric shock with safety extra-low voltage (SELV), not exceeding voltages above SELV. F 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, jännitteen eivalt ylitä SELV-jännitettä. N Produktet beskytter mot risikoen for elektrisk stot med ekstrapolert lavspenning (SELV), som ikke overstiger spenninger over SELV. DK Produktet beskytter mod risiko for elektrisk stød med sikkerheds - ekstra-lavsp.ning (SELV, safety extra-low voltage), der ikke overstiger sp.ninger over SELV. CZ Vyrobek chrání 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 (БЭНН). Напряжение не превышает БЭНН. KZ Бұл өнім қауіпсіз өте төменгі кернеудің арқасында электр тогына түсу қаупінен қорғалған. H A termék biztonságos torpfeszultseg (SELV) alkalmazásával ved az elektromos áramut veszélyeztetel szemben, a SELV értéket nem haladja meg a feszultseg. PL Produkt chroni przed porażeniem prądem elektrycznym dzięki obwodowi bardzo niskiego napięcia (SELV), nie przekraczającemu napięcia powyżej SELV. SK Produkt chráni pred zasiahnutim 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 uzerindeki voltajlara cikmayan, guvenli cok dusuk gerilimle (SELV) elektrik shock riskine karshi korur. HR Proizvod pruža zaštitu od električnog udara primjenom sigurnosnog malog napajanja (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 безопасна сарьхниско напрежение (SELV), което не се повишава до стойности над SELV. EST Toode kaitseb elektriloogi ohtu eest maandamata kaitsevaikepingese süsteemiga (SELV), mis ei ületa SELV-i korgetaimd pingeid. LT Prietaisas apsaugo nuo zasiahnutim elektrickým prúdom, jei žema saugi įtampa (SELV) neviršija SELV įtampos. LV Produkts pasargā no elektrošoka riska, jo tam ir izteikti zema strāva (SELV), kas nepārsniedz strāvas līmeni vīrs 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: H 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-marking: Signify tillkanner att den har produkten uppfyller 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 produkt 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 směrnic. 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 és vonatkozó előírásait. PL Oznakowanie CE: firma Signify oświadcza, że niniejszy produkt jest zgodny z podstawowymi wymogami i odpowiednimi postanowieniami wytycznych europejskich. SK Označenie CE: Spoločnosť Signify týmto deklaruje, že tento produkt vyhovuje základným požiadavkám a relevantným predpisom evropských smerníc. SLO Oznaka CE: Družba Signify izjavlja, da ta izdelek izpolnjuje osnovne zahteve in ustrezna določila evropskih smernic. TR CE işareti: Signify, bu urunun Avrupa kılavuz ikelerinin ilgili hükümleri ve temel gerekliliklerine uygun olduğunu beyan eder. HR Oznaka CE: tvrtka Signify ovim izjavljuje da je ovaj proizvod u skladu s osnovnim zahtjevima 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 satetele. 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 saglasnosti sa osnovnim zahtevima i važećim propisima evropskih smernica. UA Маркування CE: компанія Signify засвідчує,



Horticulture Use

3. IMPORTANT SAFETY PRECAUTIONS

- The system should only be cleaned as directed in the Fluence's Fixture Cleaning Recommendations which can be downloaded from the Fluence Support Center <https://fluence-led.com/support-center/>
- 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.

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 H₂O, CO₂, RH, nutrients, and temperature are typically required.
- 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.
- Fluence recommends the use of AC circuit contactors to completely disconnect the facility AC voltage from the luminaire to mitigate potential glowing or dimming interruptions of the crop dark period. For more information, please download the Dim-to-Off Application Note available at the Fluence Support Center <https://fluence-led.com/support-center/>.

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

5. GENERAL CARE

VYPR lighting systems are passively cooled with zero moving components. They are designed for accepted horticulture 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 two inches 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.

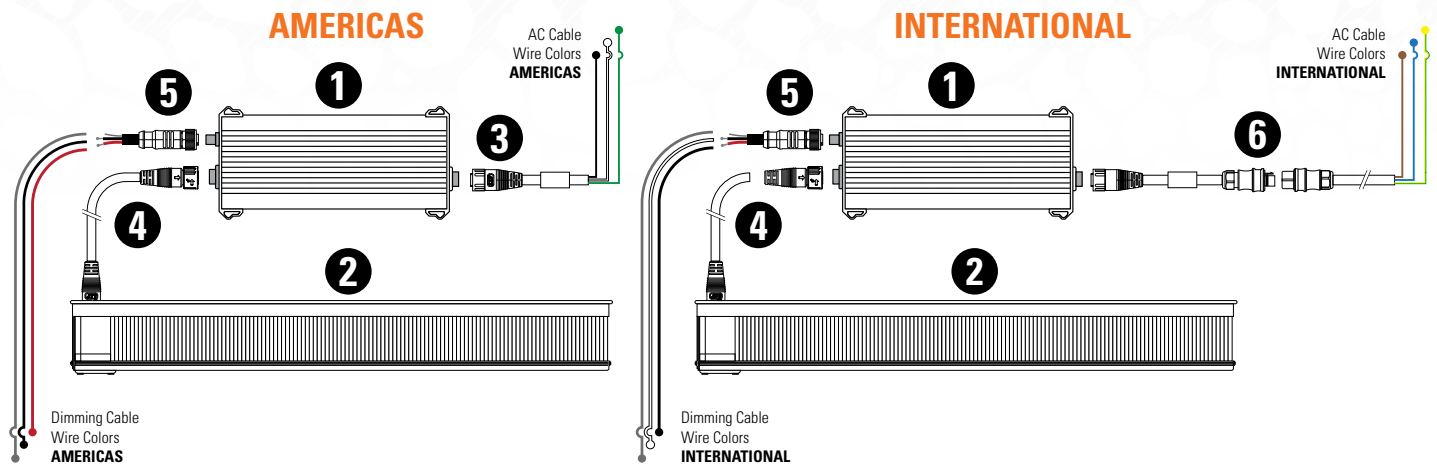
For detailed instructions for maintenance and cleaning, visit
<https://fluence-led.com/support-center/>

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 3P with Power Supply LVG, HVG



COMPONENTS

- 1

Power Supply
- 2

Light Fixture
- 3

AC Power Cable to Power Supply
- 4

DC Power Cable to Light Fixture
- 5

DC Dimming Signal Cable to Power Supply
- 6

Optional WIELAND® AC power cable adapters to Power Supply (i.e. p/n CACE-71576-10) and Dca pigtail cable (i.e. p/n CACE-71650-10)

3 6 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
AC Power Connector	Push-lock Male M19, 3-pin	Pin N: Neutral Pin L: Line Pin G: Ground
DC Power Connector	Push-lock Female M19, 2-Pin	Pin 1: LED (-) Pin 2: LED (+)
Dimming Connector	IEC61076-2-101 Threaded A-Code Male M12, 3-pin	Pin 1: Dim (-) Pin 3: Dim (+) Pin 4: 12VDC+

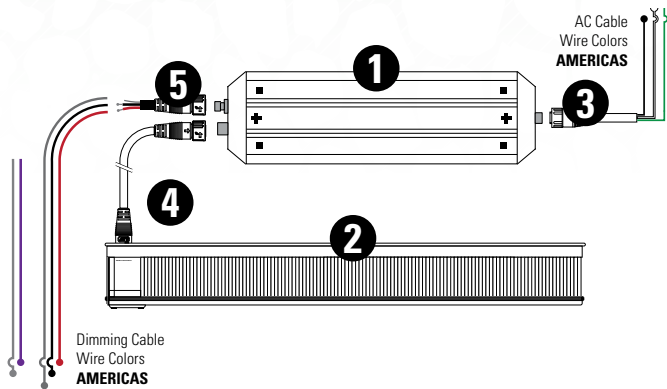
WIELAND® is a copyright of Wieland Electric GmbH. All rights reserved.

Maximum Ambient Operating Temperature: 104° F / 40° C

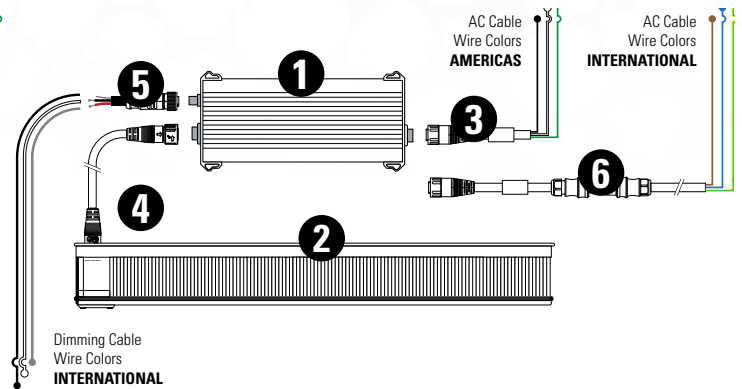
*95° F / 35° C for B6F spectrum in Americas installations or where DLC certification must be maintained.

6. SYSTEM WIRING DIAGRAM AND SPECIFICATIONS

VYPR 3x with PSE2 HV (5) Americas



VYPR 3x with PSU2 LVG, HVE Americas or International



COMPONENTS

- 1 Power Supply
- 2 Light Fixture
- 3 AC Power Cable to Power Supply
- 4 DC Power Cable to Light Fixture
- 5 DC Dimming Signal Cable to Power Supply
- 6 Optional WIELAND© AC power cable adapters to Power Supply (i.e. p/n CACE-71576-10) and Dca pigtail cable (i.e. p/n CACE-71650-10)

3 6 AC POWER CABLE CONNECTIONS

Americas AC Cable Wire Colors	International AC Cable Wire Colors	Power Supply Pin Connection	LVG					HVE (347-400 V), 5 (480 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 Americas PSE2	Dimming Cable Wire Color International	Power Supply Pin Connection
Red	Purple	Black	DIM (+)
Black	Grey	White	DIM (-)
Bare Wire	N/A	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.

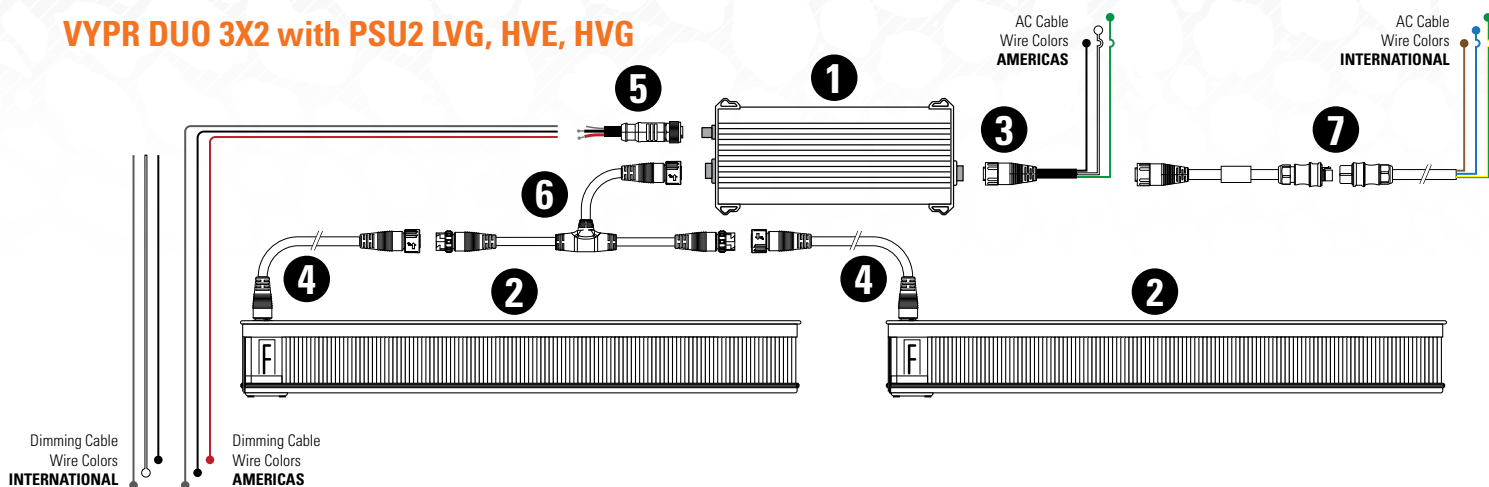
Power Supply Connector	PSU2 320W LVG, HVE		PSE2 320W HV (5)	
	Connector Type	Pin Assignments	Connector Type	Pin Assignments
AC Power Connector	Push-lock Male M19, 3-pin	Pin N: Neutral Pin L: Line Pin G: Ground	Push-lock Male M19, 3-pin	Pin N: Neutral Pin L: Line Pin G: Ground
DC Power Connector	Push-lock Female M19, 2-Pin	Pin 1: LED (-) Pin 2: LED (+)	Push-lock Female M19, 2-Pin	Pin 1: LED (-) Pin 2: LED (+)
Dimming Connector	IEC61076-2-101 Threaded A-Code Male M12, 3-pin	Pin 1: Dim (-) Pin 3: Dim (+) Pin 4: 12VDC+	Push-lock Male M16, 3-Pin	Pin 1: Dim (-) Pin 2: 12 V DC+ Pin 3: Dim (+)

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

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
AC Power Connector	Push-lock Male M19, 3-pin	Pin N: Neutral Pin L: Line Pin G: Ground
DC Power Connector	Push-lock Female M19, 2-Pin	Pin 1: LED (-) Pin 2: LED (+)
Dimming Connector	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

<https://fluence-led.com/support-center/>

or email support@fluence-led.com

7. SYSTEM INSTALLATION INSTRUCTIONS

AC and DC Cable Installation

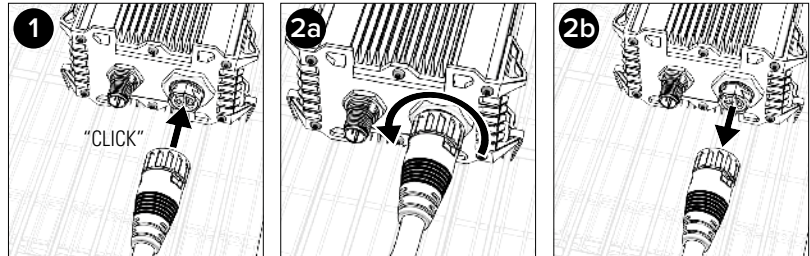
WARNING: Risk of Electrical Shock. Turn off and disconnect the power before installing, moving, or cleaning to reduce the possibility of serious injury. DO NOT connect or disconnect cables to or from the power supply or LED light bar while energized. Test all cable connections for correct and secure engagement after installation.

INSTALLATION OF THE DC POWER CABLE TO THE POWER SUPPLY AND LED LIGHT BAR

All DC cables use a push-lock type M19 2-pin connector to connect the cable to the power supply and LED light bar.

To Attach or Remove the Connectors:

- 1 To attach the connector, match up the keyed pins on the cable (male to female) to the receptacle and push it on until you hear a “click”. Check that the connector is securely attached by lightly tugging on the cable. The cable will not come off if properly installed. Failure to test the cable connection may result in electrical shock or damage to the product.
- 2 To remove the connector, twist the ring on the base of the connector counter-clockwise approximately a quarter turn until it stops to release, and then pull straight out.

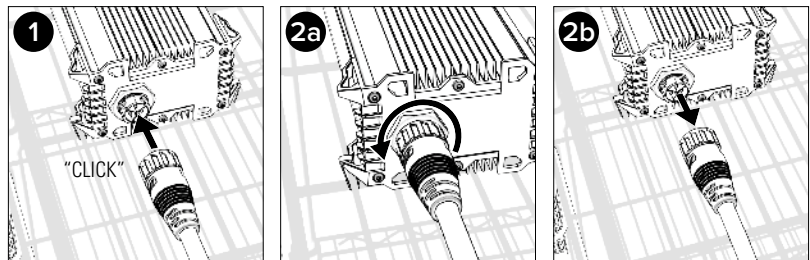


INSTALLATION OF THE AC POWER CABLE TO THE POWER SUPPLY

All AC power cables use a push-lock type M19 3-pin connector to connect the cable to the power supply. The connection to power is available in several plug types for receptacles, or in pigtails for direct wiring.

To Attach or Remove the Connectors:

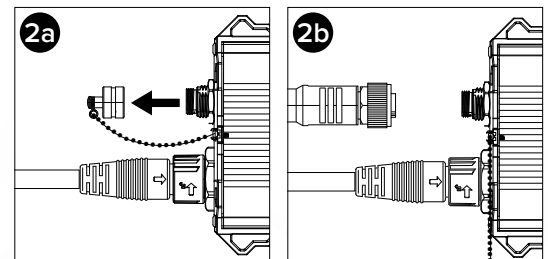
- 1 To install the connector, match up the keyed pins on the cable (male to female) to the receptacle and push it on until you hear a “click”. Check that the connector is securely attached by lightly tugging on the cable. The cable will not come off if properly installed. Failure to test the cable connection may result in electrical shock or damage to the product.
- 2 To remove the connector, twist the ring on the base of the connector counter-clockwise approximately a quarter turn until it stops to release, and then pull straight out.



INSTALLATION OF THE DIMMING CABLE TO THE POWER SUPPLY

The DC dimming cable uses a coaxial type A-code M12 3-pin connector to connect the cable to the power supply. To install the DC dimming cable:

- 1 Remove the dust cap from the power supply dimming port and let it hang by the chain.
- 2 Match up the connector end on the cable (female) to the power supply dimming port (male) and twist the ring on the connector clockwise to tighten until hand-tight. Check that the connector is securely attached by lightly tugging on the cable. The cable will not come off if properly installed. Failure to test the cable connection may result in electrical shock or damage to the product or connected lighting controller.

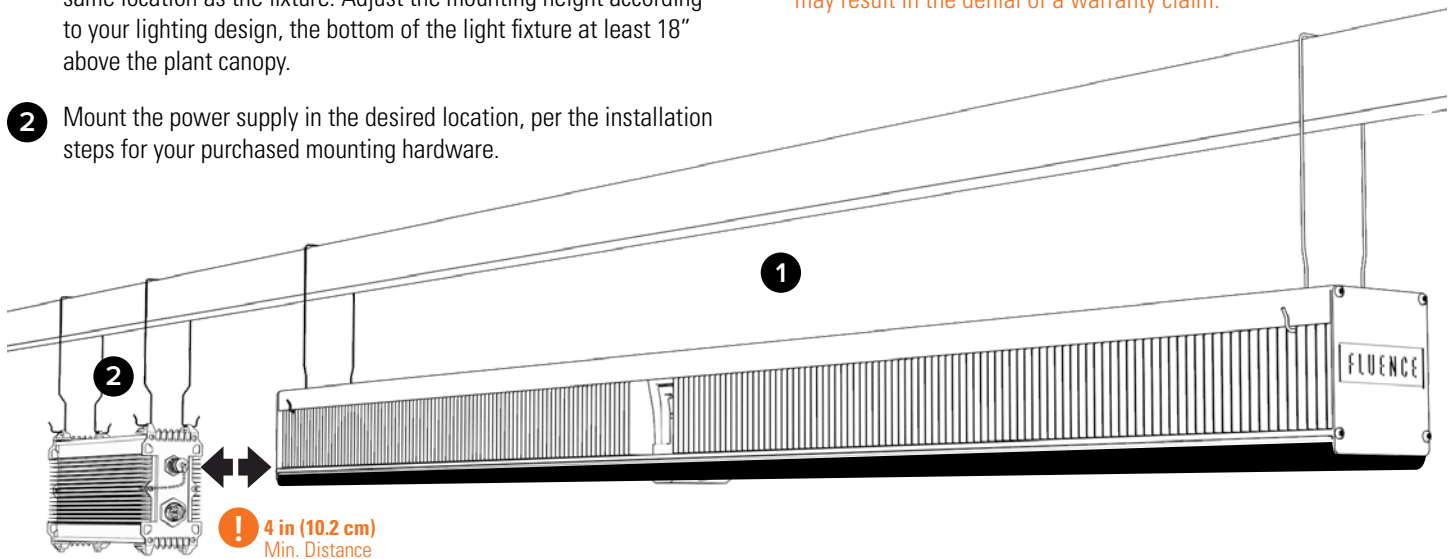


7. SYSTEM INSTALLATION INSTRUCTIONS

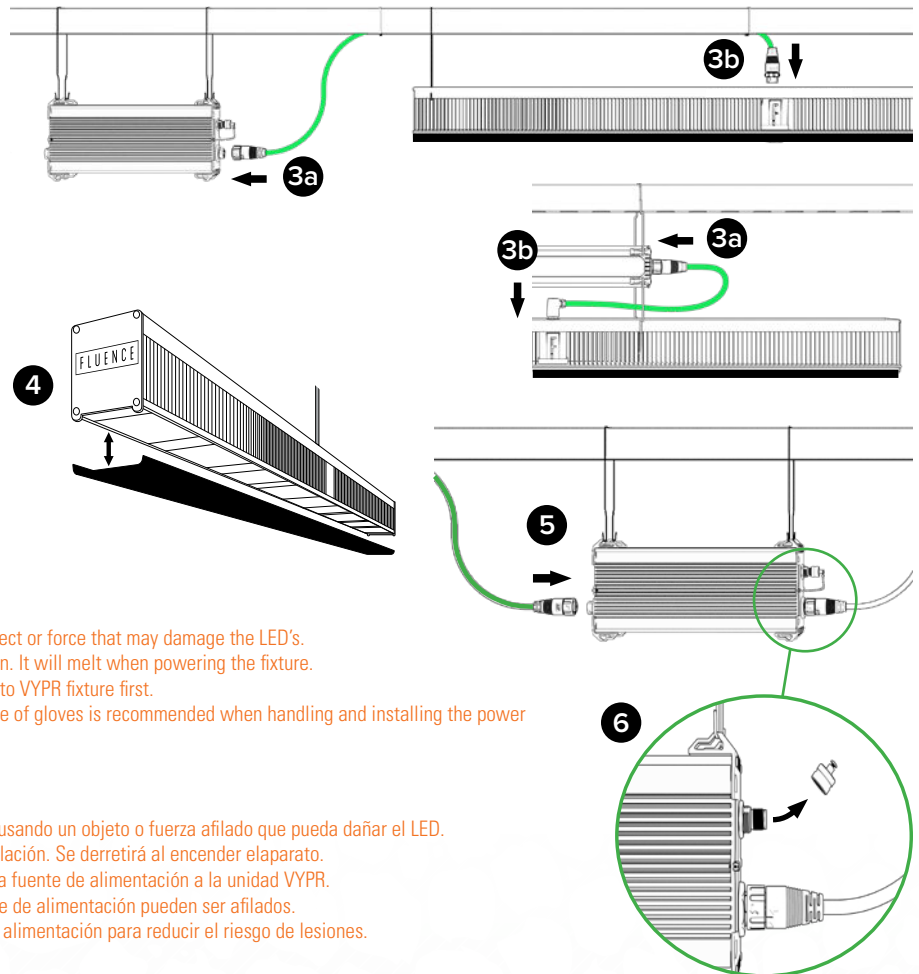
7.1 VYPR 3p, 3x

- 1 Mount the light fixture in a location according to your lighting design, per the installation steps for your purchased hardware. For Combo Mount, first mount the power supply to the structure in the same location as the fixture. Adjust the mounting height according to your lighting design, the bottom of the light fixture at least 18" above the plant canopy.
- 2 Mount the power supply in the desired location, per the installation steps for your purchased mounting hardware.

! 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 extension cable to the power supply and light fixture, i.e. p/n CDCG-71591-10 or CDCG-70720-10.
- 4 Remove the protective cover to expose the LED array. Discard the cover.
- 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.
- 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.



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

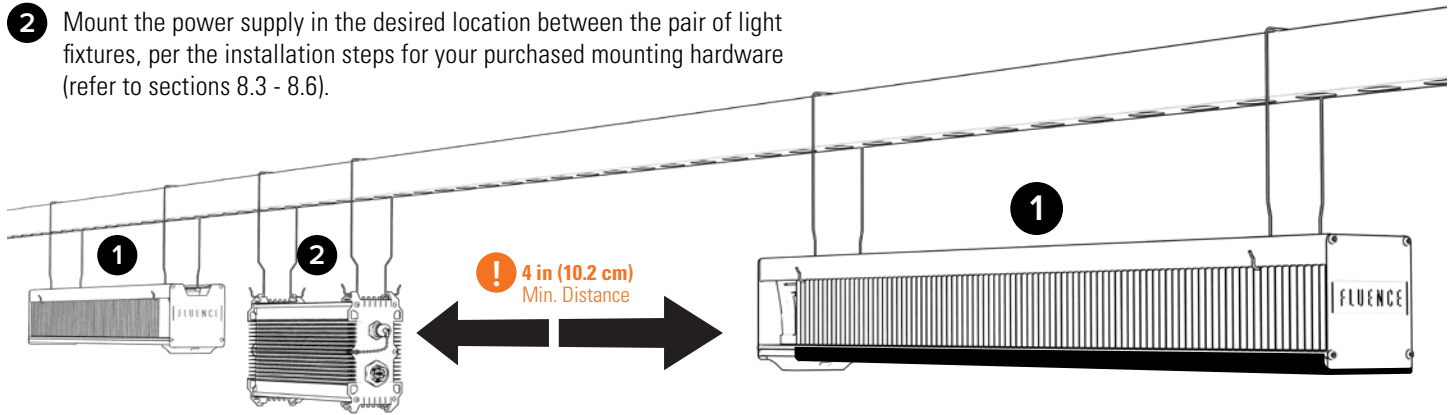
- NE PAS retirer le couvercle de protection pendant l'installation.
- NE PAS mettre en contact la matrice de DEL ou le couvercle de protection avec un objet pointu ou une force qui pourrait endommager les DEL.
- NE PAS laisser le capot de protection sur le luminaire après l'installation. Il fondra lors 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.

7. SYSTEM INSTALLATION INSTRUCTIONS

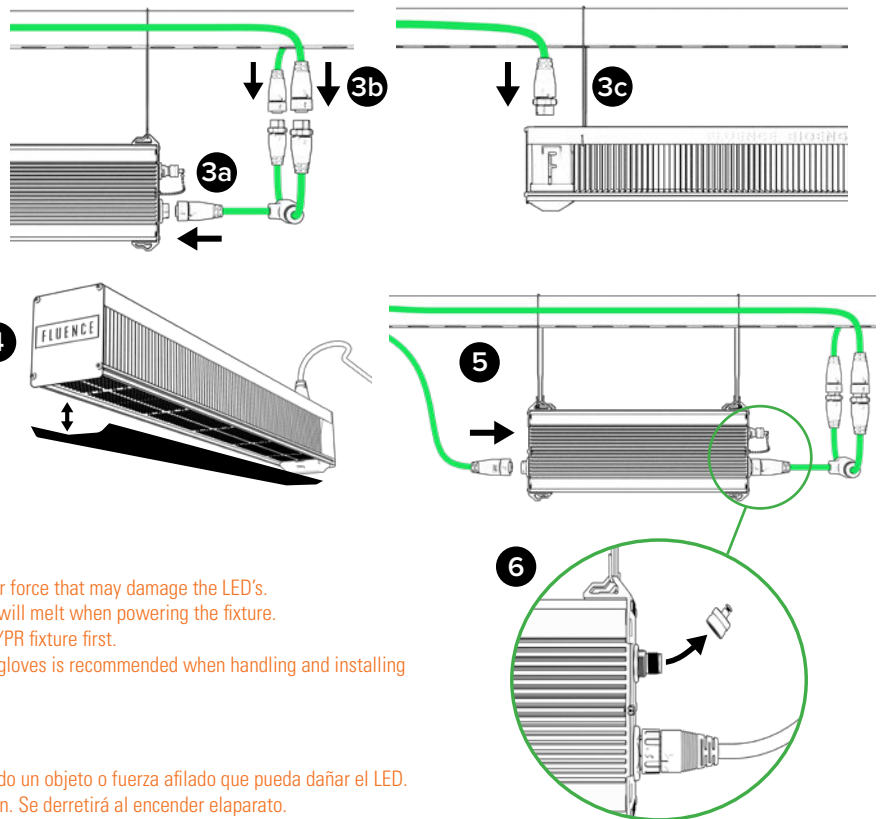
7.2 VYPR DUO 3x2 Remote Mount

- 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

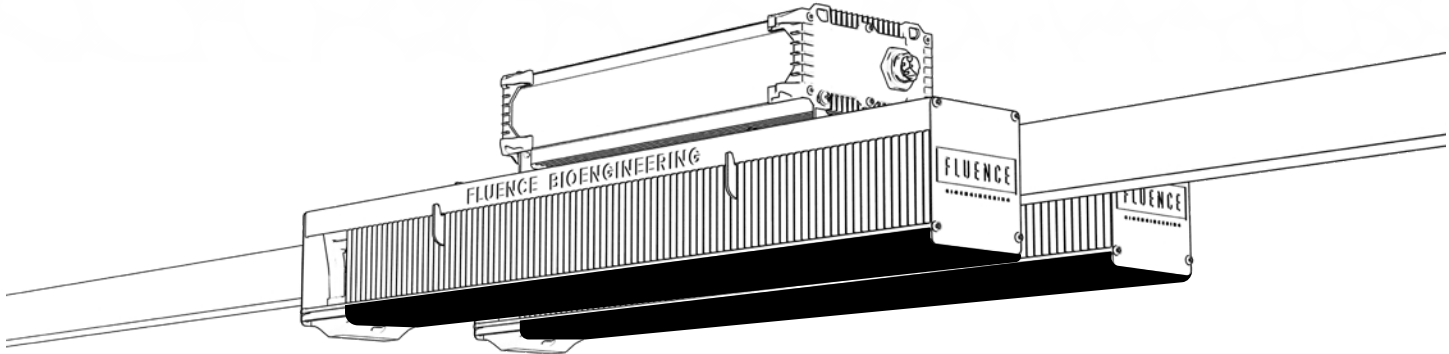
- NE PAS retirer le couvercle de protection pendant l'installation.
- NE PAS mettre en contact la matrice de DEL ou le couvercle de protection avec un objet pointu ou une force qui pourrait endommager les DEL.
- NE PAS laisser le capot de protection sur le luminaire après l'installation. Il fondra lors 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.

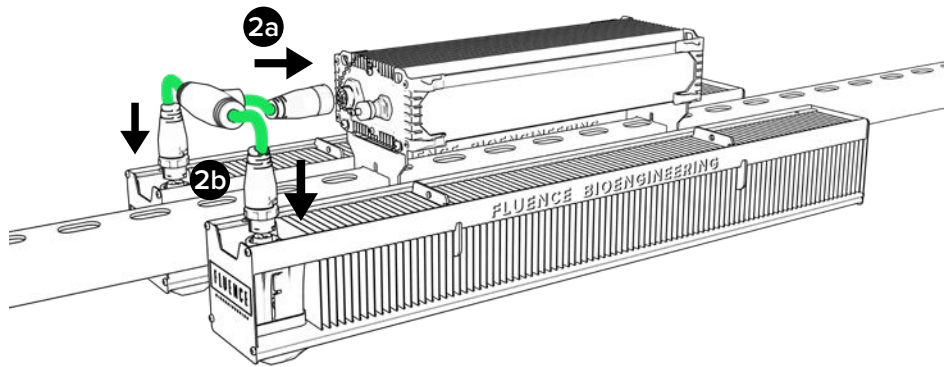
7. SYSTEM INSTALLATION INSTRUCTIONS

7.3 VYPR DUO 3x2 Cradle Mount

- 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.



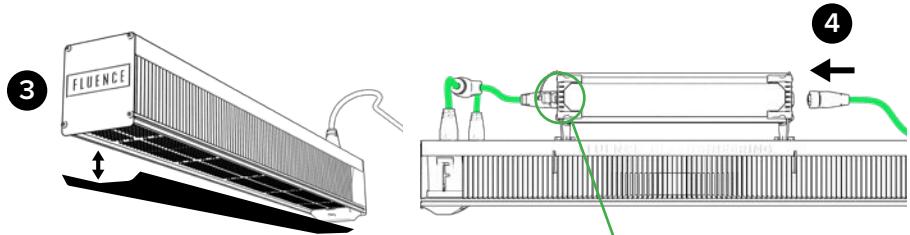
- 2 Connect the DC power 1-T extension cable (p/n CDCG-70902-10) single end to the power supply. Connect the 1-T cable dual end directly to each light fixture as shown.



- 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,

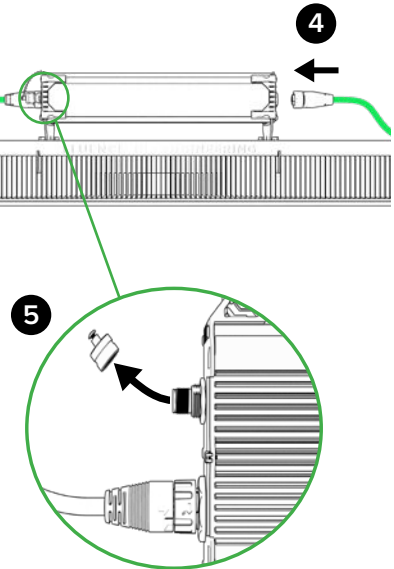
- Do NOT remove the protective cover during installation.
- Do NOT contact the LED array or protective cover with sharp object or force that may damage the LED's.
- Do NOT leave the protective cover on the fixture after installation. It will melt when powering the fixture.
- NO conecte primero la alimentación 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.



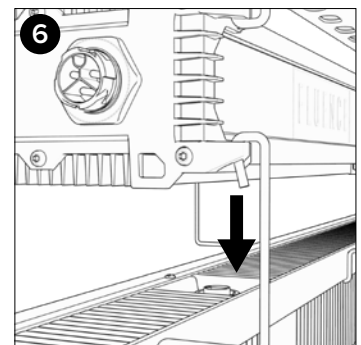
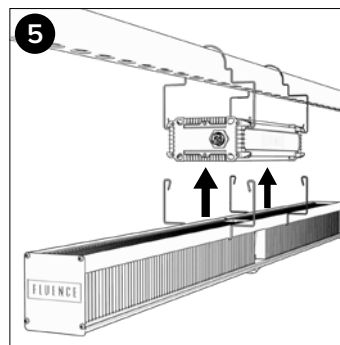
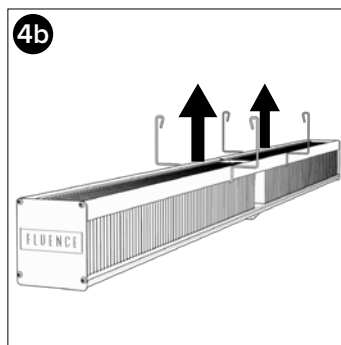
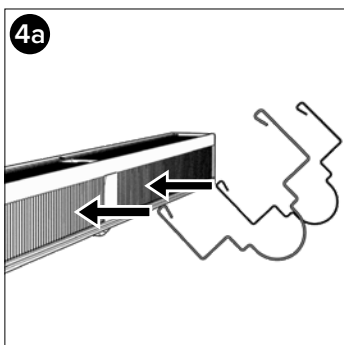
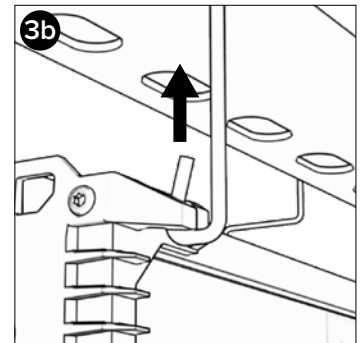
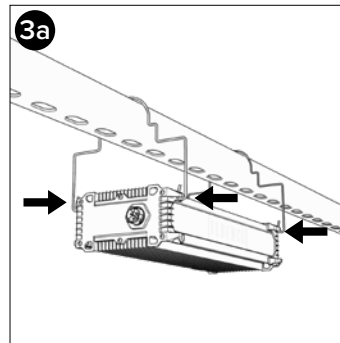
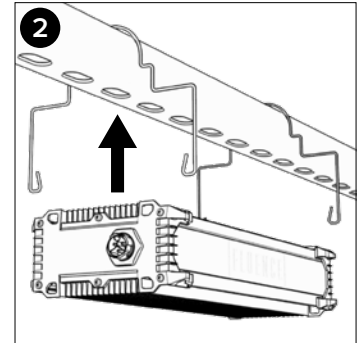
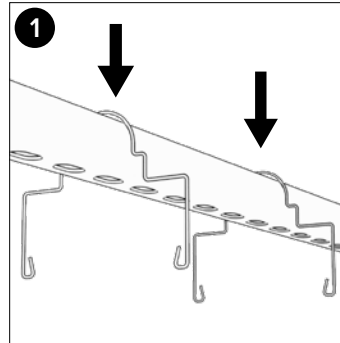
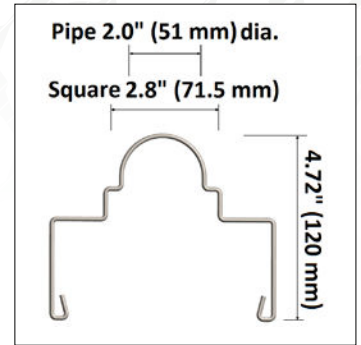
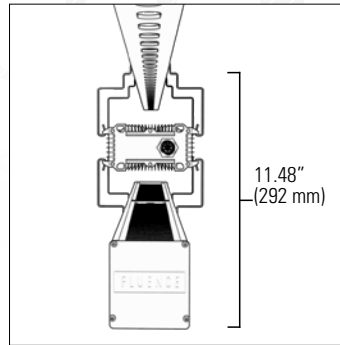
8. MOUNTING INSTRUCTIONS (3P, 3X, 3X2 REMOTE)

8.1 Combo Mount Kit (AMV3-10569-20) (For 3p, 3x AC Input Voltage 277-480 V ONLY)

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.

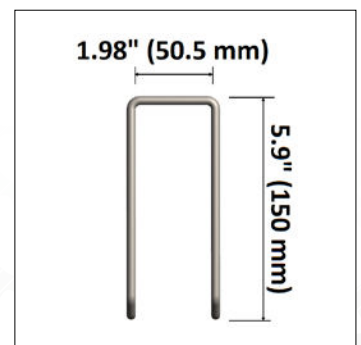
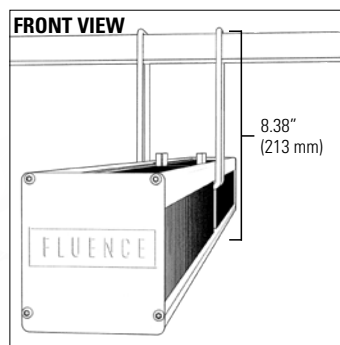


- 1 Take (2) mounting hangers. Hang both brackets over the support structure as shown.
- 2 Mount the power supply in the desired location, per the installation steps for your purchased mounting hardware.
- 3 Hook each hanger end onto the upper loops at each corner of the power supply.
- 4 Take (2) more mounting hangers as shown and Insert them through a slot between the VYPR cooling fins. Space them to line up with the power supply lower loops. Pull up to clip the hangers to the fixture.
- 5 Hold the VYPR fixture up to the underside of the power supply as shown.
- 6 To complete the mounting, hook each hanger end onto the lower loops at each corner of the power supply.



8.2 Perpendicular Mount Kit (AMV3-10572-20)

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

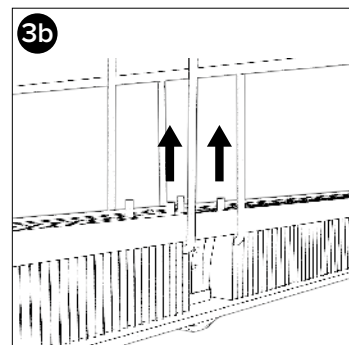
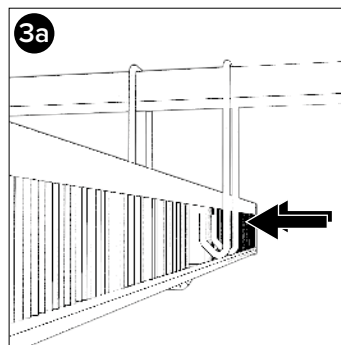
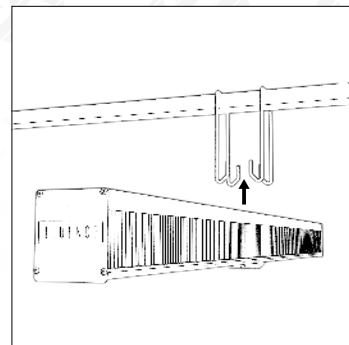
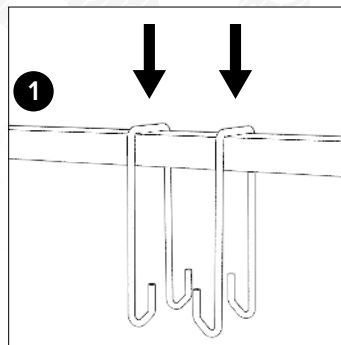


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8. MOUNTING INSTRUCTIONS (3P, 3X, 3X2 REMOTE)

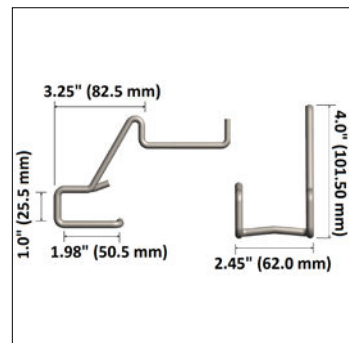
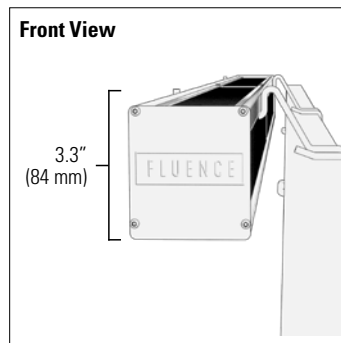
8.2 Perpendicular Mount Kit (AMV3-10572-20)

- 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.

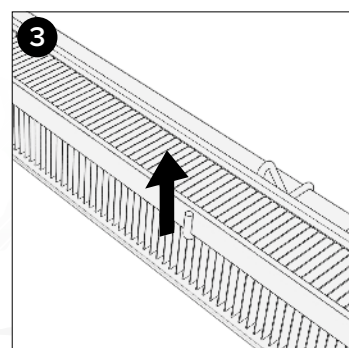
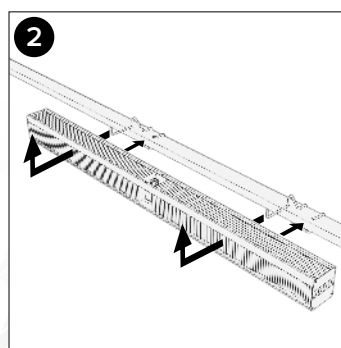
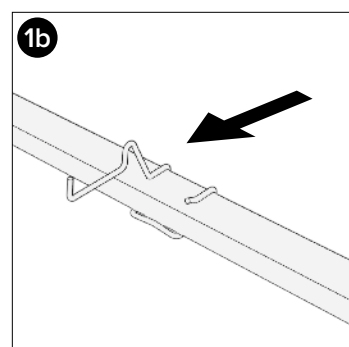
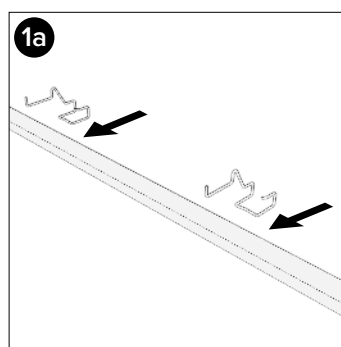


8.3 Parallel Mount Kit (AMV3-10571-20)

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



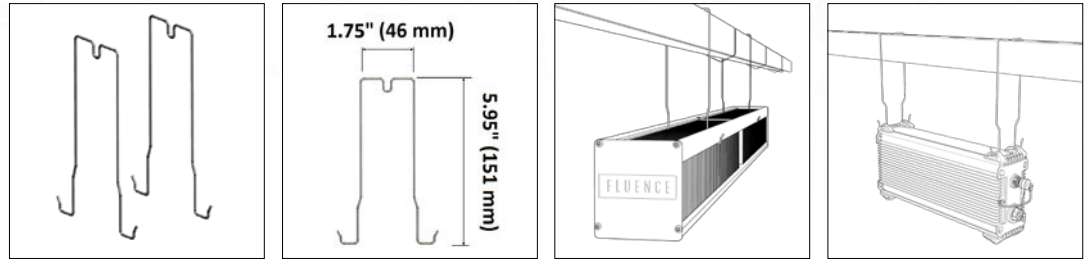
- 1 Take (2) mounting hangers. Hang both brackets on the support structure as shown.
- 2 Hold the VYPR fixture up to the hangers, and slide onto the brackets. Guide the bracket arms through the cooling fins and rest the VYPR fixture on the arms.
- 3 Ensure that the bracket arm hooks are all the way through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



8. MOUNTING INSTRUCTIONS (3P, 3X, 3X2 REMOTE)

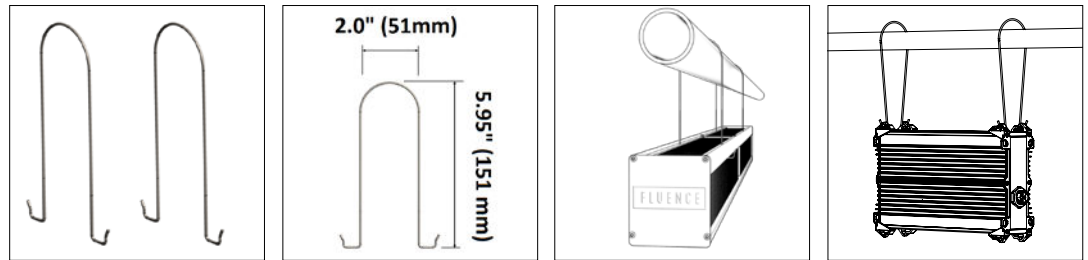
8.4 Unistrut Hanger Kit (AMV2-10120-20)

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



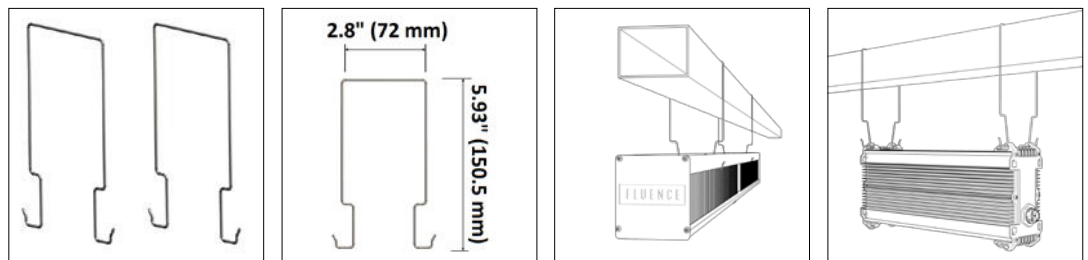
8.5 Pipe Hanger Kit (AMV2-10121-20)

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.



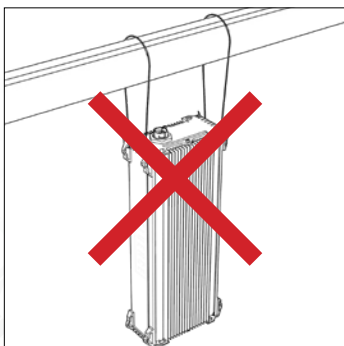
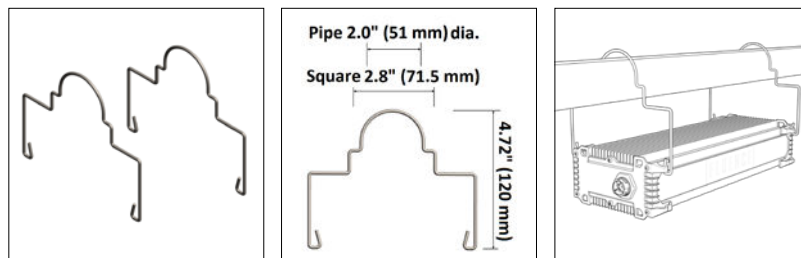
8.6 Square Hanger Kit (AMV2-10119-20)

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



8.7 Combo Mount Hanger Kit (AMV3-10569-20)

Suitable for pipes up to $1\frac{3}{4}$ " (45 mm) in diameter, and 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.

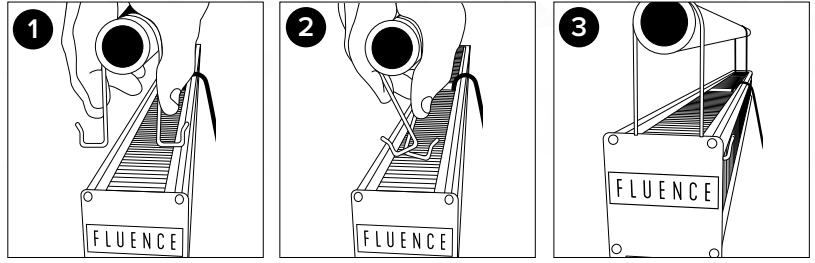
IMPORTANTE: NO coloque la fuente de alimentación verticalmente utilizando perchas de forma de alambre. Para montar la fuente de alimentación verticalmente, utilice un kit de montaje en superficie fijado a una superficie plana.

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. MOUNTING INSTRUCTIONS (3P, 3X, 3X2 REMOTE)

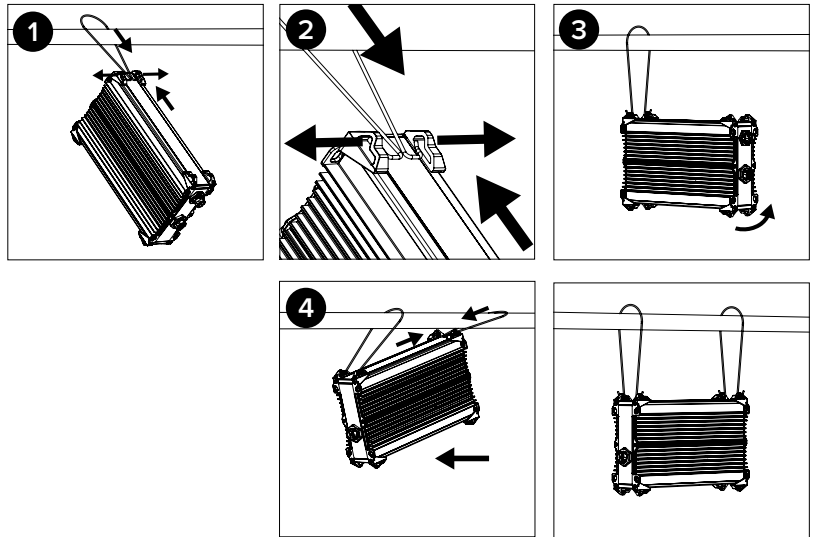
Light Fixture with Unistrut, Pipe, or Square Hanger Kit

- 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.
- 4 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.



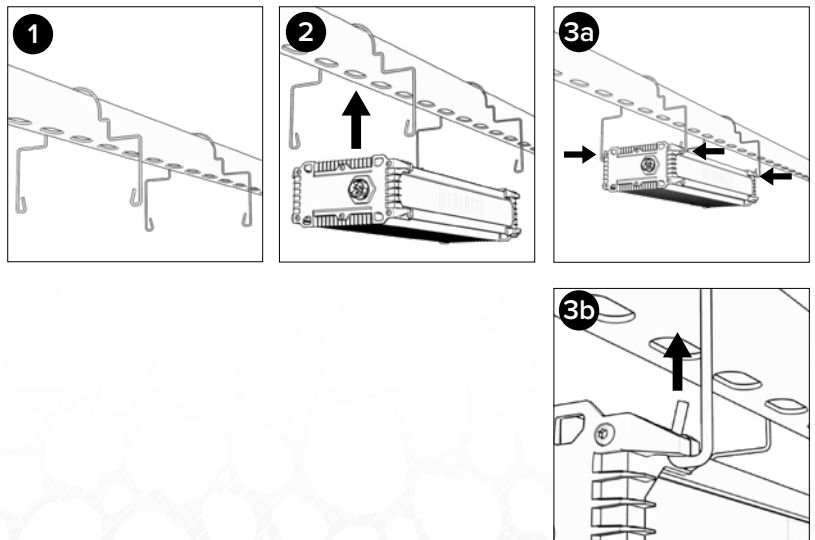
Power Supply Remote with Unistrut, Pipe, or Square Hanger Kit

- 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.



Power Supply Remote with Combo Mount Hanger Kit

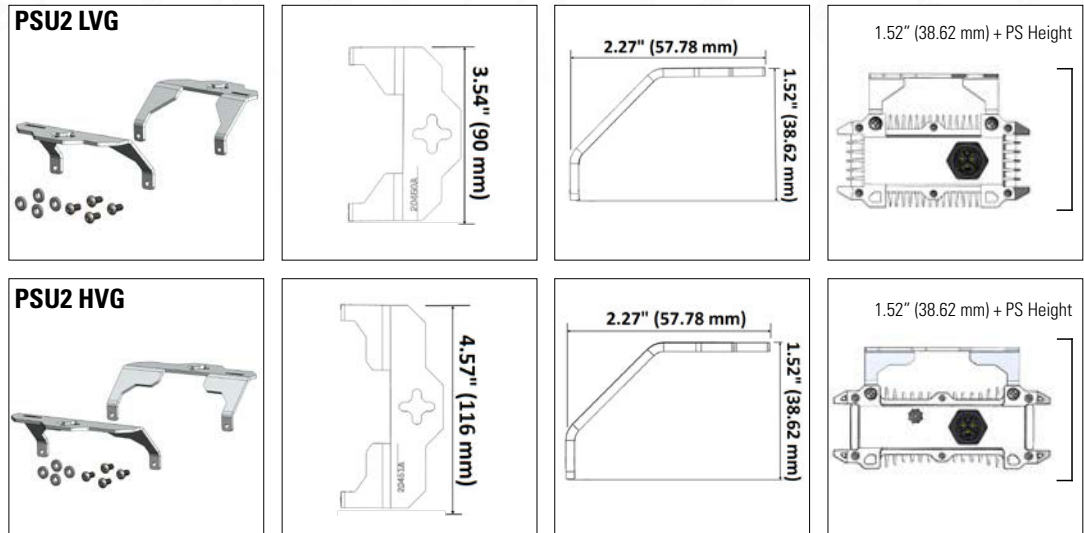
- 1 Take (2) mounting hangers. Hang both brackets over the support structure as shown.
- 2 Hold the power supply up to the hangers as shown.
- 3 Hook each hanger end onto the upper loops at each corner of the power supply.



8. MOUNTING INSTRUCTIONS (3P, 3X, 3X2 REMOTE)

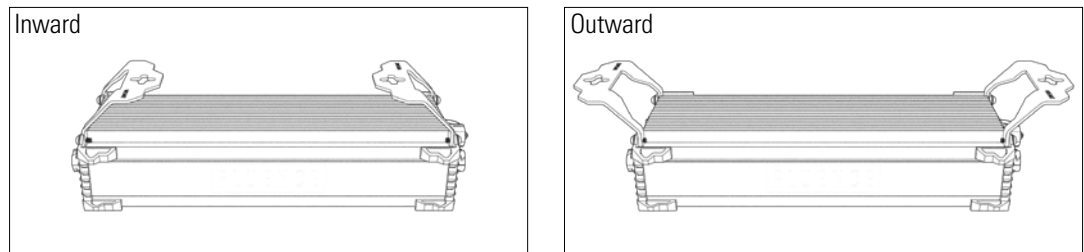
8.8 Power Supply Remote with Surface Mount Kit (For AC Input Voltage 277-480 V ONLY)

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



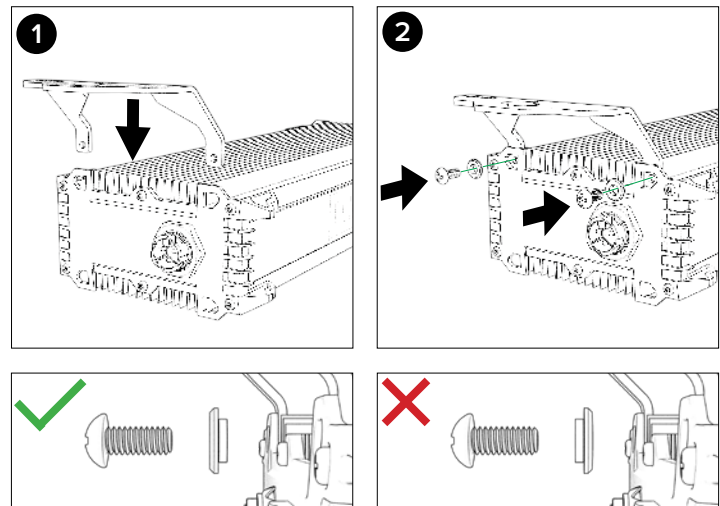
Bracket Positions

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

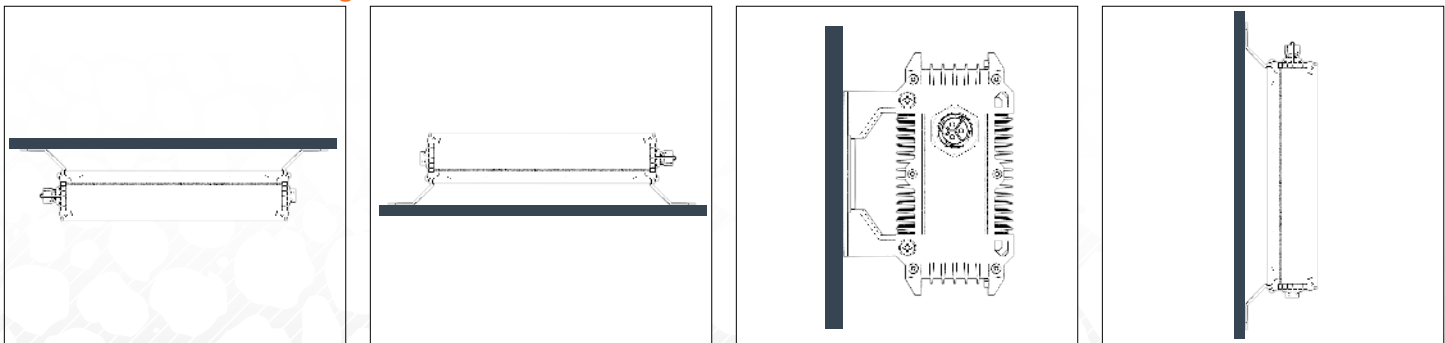


Bracket Installation

- 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



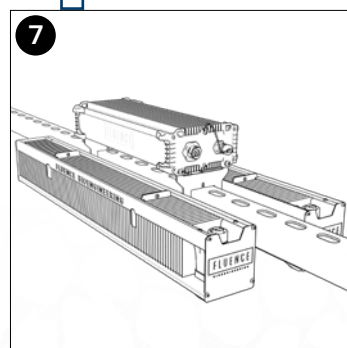
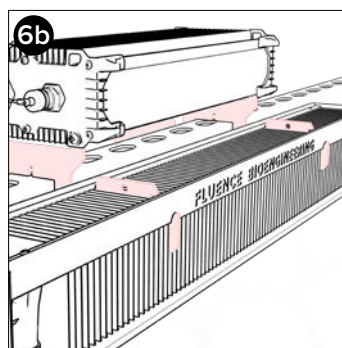
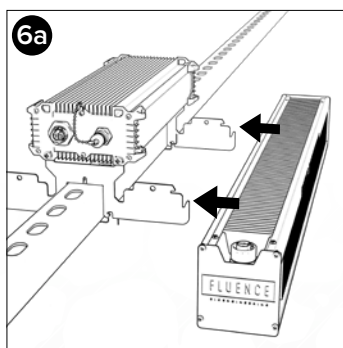
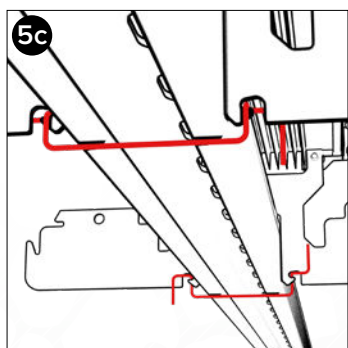
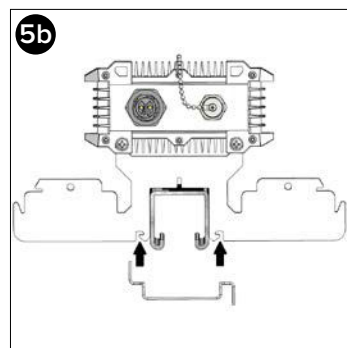
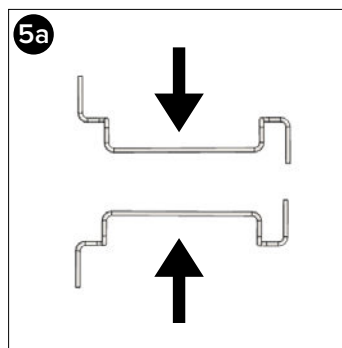
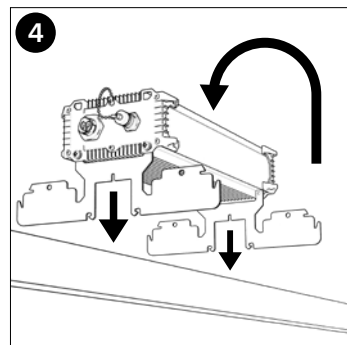
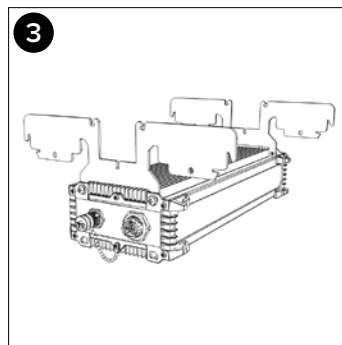
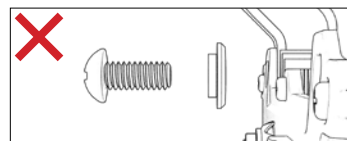
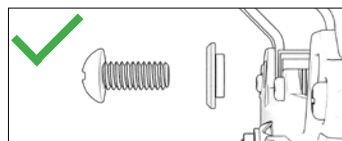
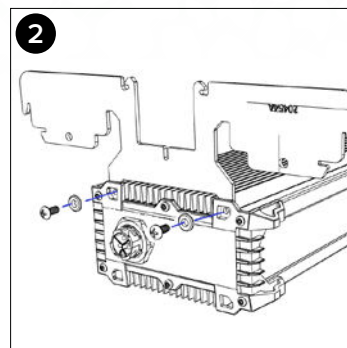
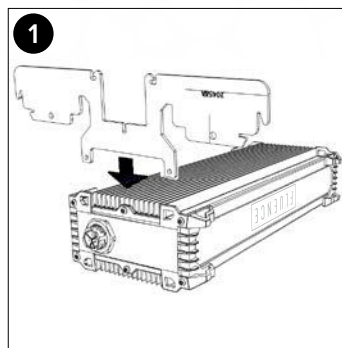
9. MOUNTING INSTRUCTIONS (DUO 3X2 CRADLE MOUNT)

9.1 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.

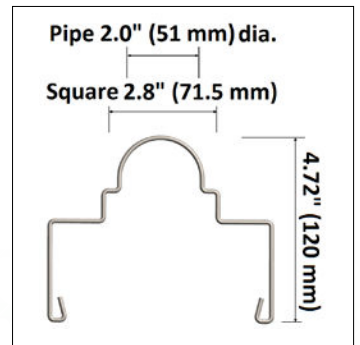
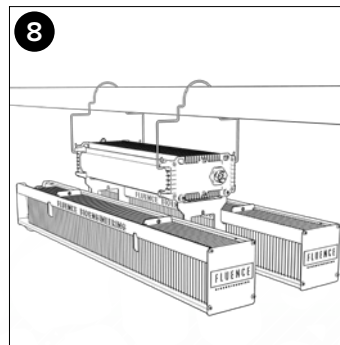
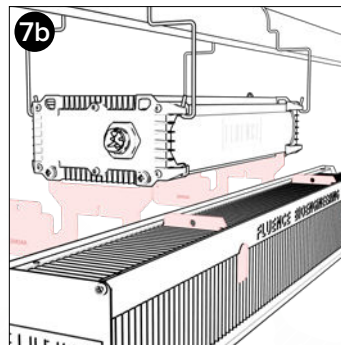
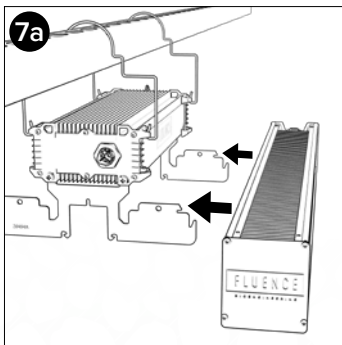
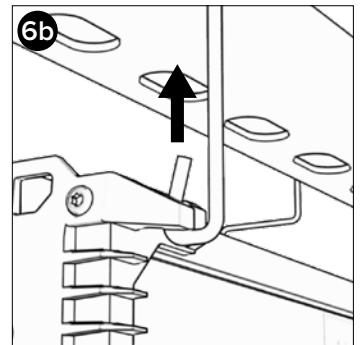
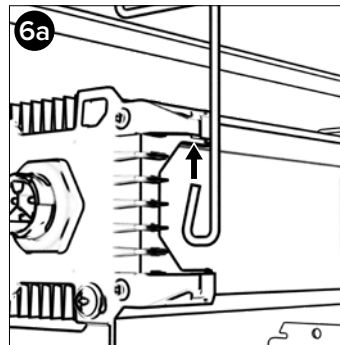
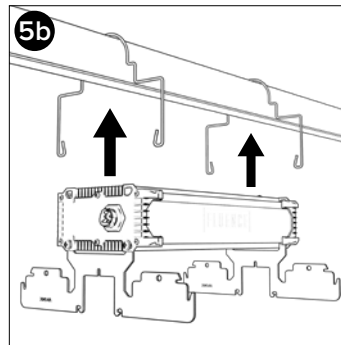
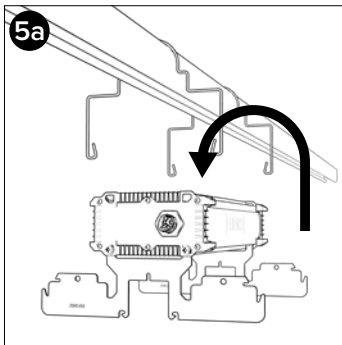
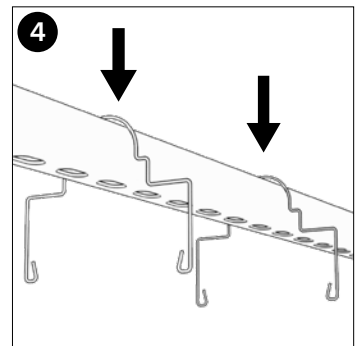
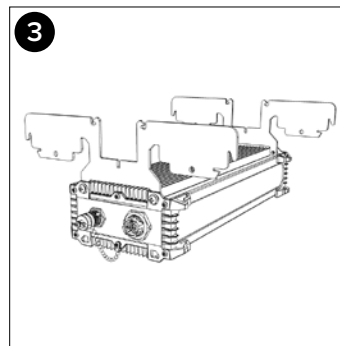
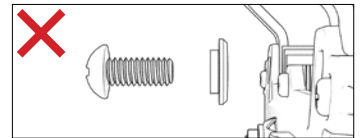
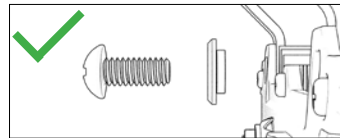
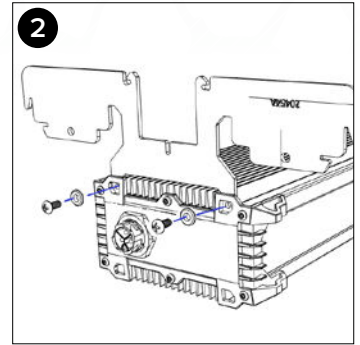
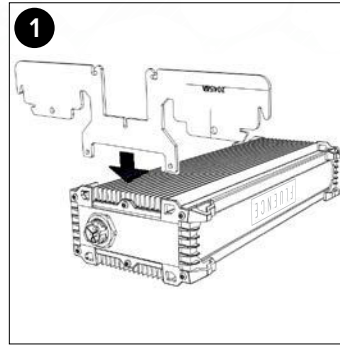


9. MOUNTING INSTRUCTIONS (DUO 3X2 CRADLE MOUNT)

9.2 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 overtighten.
- 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 on the brackets. Ensure that the brackets are all the way through, and 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.







10. 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 for more warranty information.

We stand behind our research, we stand behind our technology and we stand behind our clients. <https://fluence-led.com/warranty/>



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