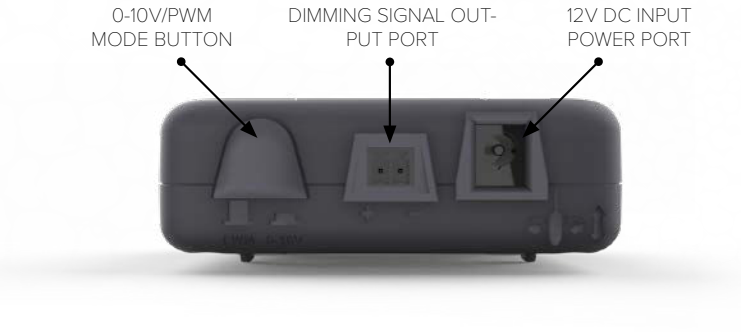
DIMMER

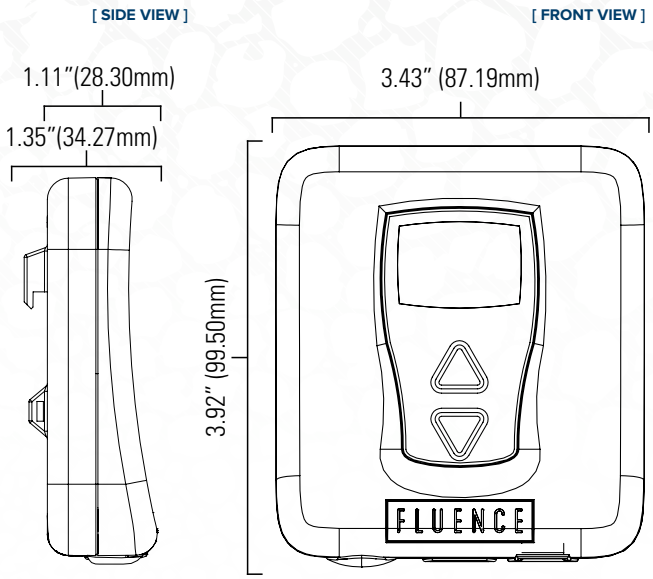
FLUENCE



The Fluence Dimmer is a reliable, user-friendly dimmer that controls the light intensity from 0-100% of Fluence light fixtures. This device allows growers to control the light intensity of their Fluence light fixtures via an easy-to-use up/down arrow function, and clearly shows the user their light output intensity percentage via a digital display. This dimmer is meant to control the overall light intensity and maintain a set point of your Fluence LED light fixtures. It is not a relay or digital schedule timer to control photoperiod.



DIMENSIONS



SPECIFICATIONS

Number of Channels	1
Signal Type	0-10V or PWM
Signal Strength	Source/Sink 40 mA DC
Max # of Fixtures Controlled	25 units, or 80% max loading (32 mA) recommended
Max Signal Wire Length	200 feet max | 61 meters max
10V Output Control	0-10V ± 0.1V
PWM Output Control	0-100% ± 1%
Adapter AC Input Power	120VAC | 60 Hz
Dimmer DC Input Power	+12 VDC at 0.5A, sourced Wall Power
Dimensions | Weight	3.92" L x 3.43" W x 1.35" H | 5 oz 99.50mm L x 87.19mm W x 34.27mm H | 142 g
Warranty	1-year
Light Control	0%-100% Light Intensity
Relative Humidity	Less than 80%+
User Interface	Two Push Buttons

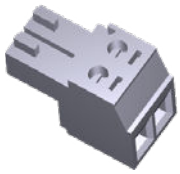
Please refer to the user manual for complete operation and application information.

INCLUDED IN THE BOX



AC Power Adapter

U.S. Plug AC Power Adapter provides 12VDC power for the Whisper dimmer. 120V wall outlet or power strip required.



Signal Wire Connectors

Two 2-position terminal connectors are included to connect the dimming signal wires. Use one and keep the second as a spare.

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DIMMER

ACCESSORY AND MOUNTING HARDWARE

Description	Regional Commercial Code	Ordering PN 12NC (S)	Ordering PN 12NC (-B)	Bulk Pack Quantity
DIMMER,0-10V 1 CHANNEL,120V	DM2AA-1CC2TBMTAP-S	912401701770	NA	NA
DIMMER,WIRE TERMINAL CONNECTOR	DM2DA-DTB2TBFXXX	912401701793	912401701794	10
DIMMER,SPARE AC POWER ADAPTER 120V	DM2AA-DPA1BCMTAP	912401701768	912401701769	10

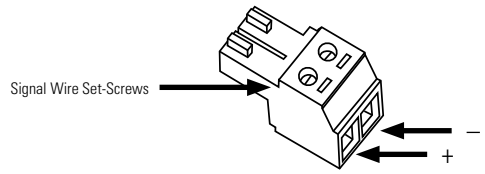
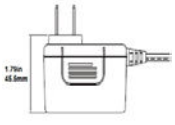
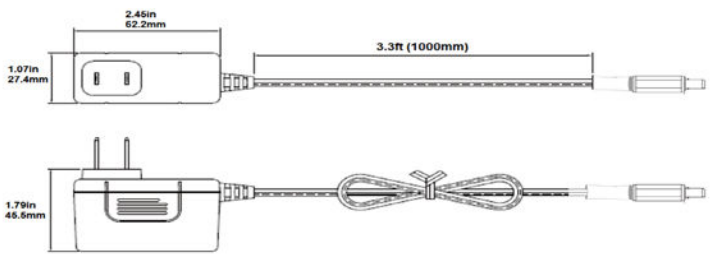
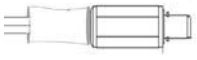
DIMMER AND ACCESSORIES - ORDERING INFORMATION

Ordering Code	Description	Cable Length	Connector End 1	Connector End 2	Cord Type
DM2AA-1CC2TBMTAP-S	Dimmer Includes 2 Signal Wire Connectors and AC/DC Power Adapter	N/A	N/A	N/A	N/A
DM2DA-DTB2TBFXXX	Signal Wire Connector 2-position Terminal Block	N/A	N/A	N/A	N/A
DM2AA-DPA1BCMTAP	AC/DC power adapter 120VAC/12VDC, 12W, 1A	3.3 ft 1000 mm	NEMA 1-15P	2.0 mm Locking Barrel	UL2468

DIMMER AND ACCESSORIES - PACKAGING INFORMATION

Ordering Code	Package Qty	Weight	Length	Height	Width	HTS Tariff Code
DM2AA-1CC2TBMTAP-S	1	1.0 lbs 0.46 Kg	8.0" 203 mm	3.5" 89 mm	7.0" 178 mm	8537.10.9160
DM2DA-DTB2TBFXXX	10	0.5 lbs 0.23 Kg	7.3" 185 mm	N/A	12.0" 305 mm	8536.69.4040
DM2AA-DPA1BCMTAP		2.0 lbs 0.9 Kg	7.3" 185 mm	N/A	12.0" 305 mm	8504.40.9510

DIMMER AND ACCESSORIES - MECHANICAL DRAWINGS

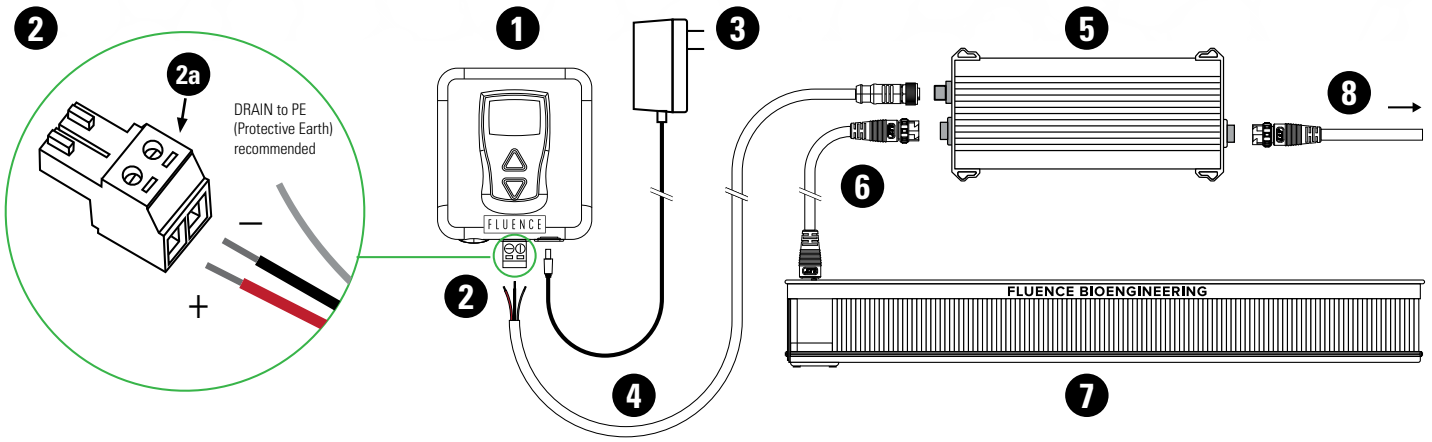
Ordering Code	Pin Config. End 1	Mechanical Drawing	Pin Config. End 2
DM2DA-DTB2TBFXXX	N/A		N/A
DM2AA-DPA1BCMTAP			

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DIMMER
WIRING DIAGRAMS

Dimmer with Single Light Fixture
Fluence DC Dimming Cable



COMPONENTS

1 Dimmer (DM2AA-1CC2TBMTAP-S)
2 Dimming Signal Wire Connector (DM2DA-DTB2TBFXXX)
  2a Signal Wire Set-Screws
3 120 VAC Power Adapter (DM2AA-DPA1BCMTAP)
4 DC Dimming Signal Cable (CCA-XXU3T2FL3X1.5)
5 Power Supply for Light Fixture
6 DC Power Cable to Light Fixture
7 Light Fixture
8 AC Power Cable to Power Supply

SINGLE LIGHT FIXTURE

Maximum Quantity Connected Light Fixtures	Maximum Distance Dimmer to Light Fixture
1	5 FT 1.5 m

NOTES

A. Connector Adapter (ACA-XXU3P6FT2M0.1) is required for PSU1/2 or PSE2 Power Supply with an M16 Push Lock dimming port.

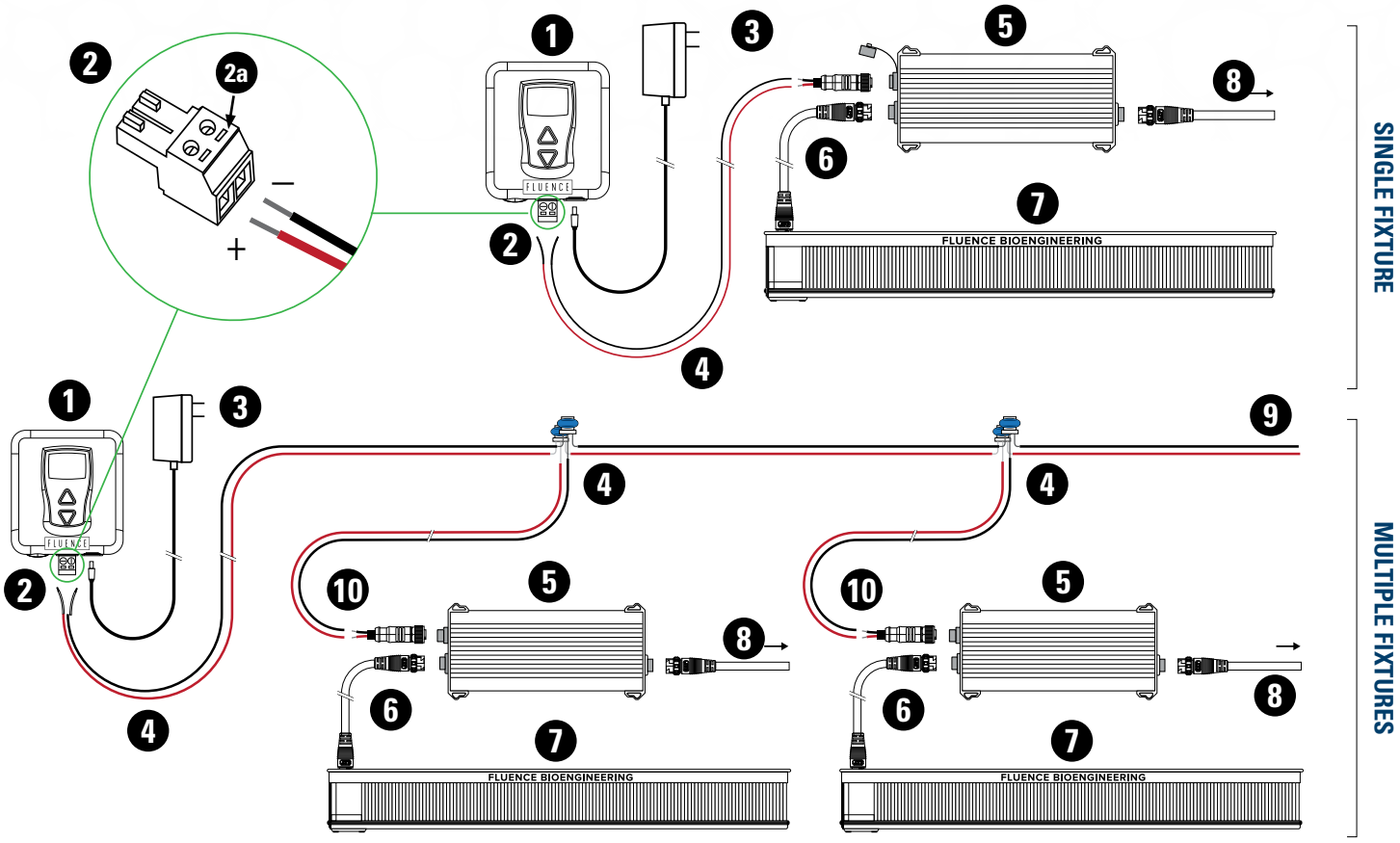
B. Connector Adapter (ACA-XXU3T6FT2M0.1) is required for RAZR 234, RAY, SPYDRx, and SPYDRx PLUS.

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DIMMER
WIRING DIAGRAMS

Dimmer with Third Party Dimming Cables



COMPONENTS

1 Dimmer (DM2AA-1CC2TBMTAP-S)
2 Dimming Signal Wire Connector (DM2DA-DTB2TBFXXX)
2a Signal Wire Set-Screws
3 120 VAC Power Adapter (DM2AA-DPA1BCMTAP)
4 2-Conductor Dimming Cable and Wire Splice Connectors (third party)
5 Power Supply for Light Fixture
6 DC Power Cable to Light Fixture
7 Light Fixture
8 AC Power Cable to Power Supply
9 Dimming cable to next Light Fixture or terminate
10 DC Dimming Signal Cable
Pushlock connector (CCA-XXU3T2FL3X1.5)

Min. Wire Gauge	18 AWG 0.75 mm2
Conductor QTY.	2
Recomended Cable	Belden, PN: 5340F1
Recommended Wire Splice Connector	3M PN: 314 Scotchlok IDC Connectors 22-14 AWG
Max QTY. Connected Light Fixtures	25
Max Distance First to Last Light Fixture	200 FT 61 m

NOTES

Maintain the polarity at all dimming connections, (+) wire to (+) wire and (-) wire to (-) wire.

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