Brownie

INSTALLATION MANUAL FOR V-SPECTRA (RGBW)

Polarity: All Brownie's LED fixture has polarity.

White cable is common positive(+).

W = 12mm
H= 2.8mm

White Cable = Common Positive (+)
Red Cable = Red (-)
Green Cable = Green (-)
Blue Cable = Blue (-)
Orange Cable = Warm White (-)

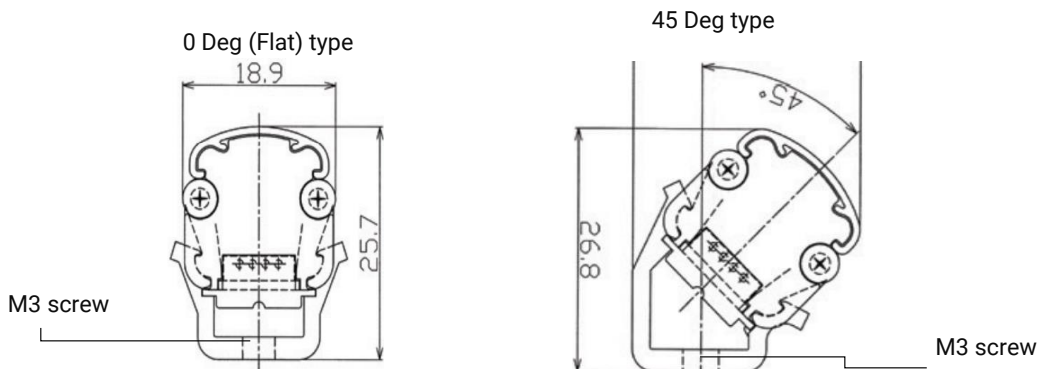**Input :** This fixture is driven by 24Vdc constant-voltage
Use 24Vdc output type reliable/reputable brand of power supply (LED driver)

Connectors: For connecting or disconnecting male and female connectors, hold body parts of the connector tightly, not cable. Do not pull or damage the cables.

When mating male/female connectors, make sure they are tightly inserted to the end, not loosely-connected.

Mounting Fixtures There are 2(two) types of mounting bracket; 0deg flat, 30deg fixed angle.
(as optional accessory parts)

Use the right type for the application, and if the project is under a consultant or a lighting designer, follow his/her instruction on which type to use.
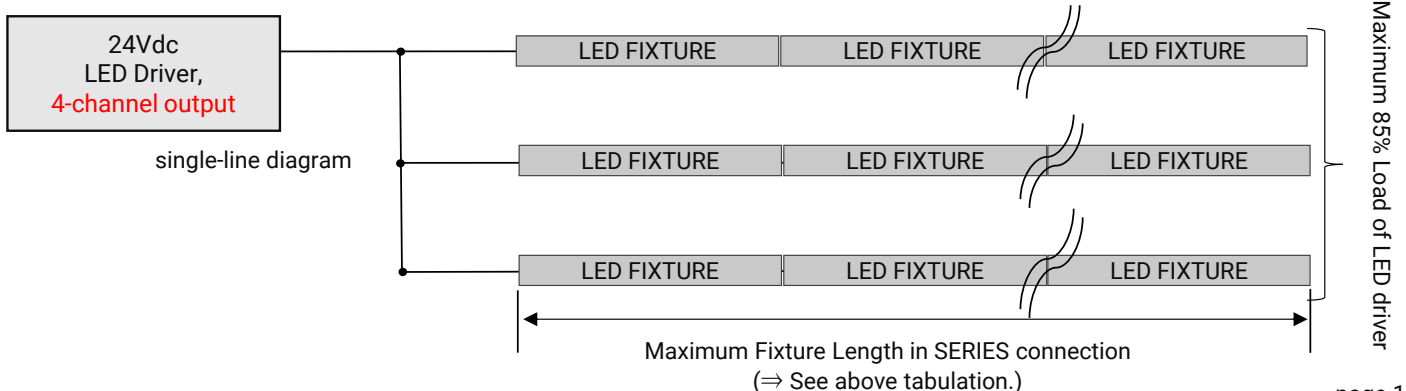
Use **M3 tapping screw**, and secure the mounting bracket onto the mounting platform.

0 Deg (Flat) type
18.9
25.7
M3 screw

45 Deg type
26.8
M3 screw

Maximum Fixture Length in "Series" connection group

Do not exceed stipulated maximum distances shown as per model type.

type	Model	Fixture wattage	Maximum fixture length of series connection group
V-FLEX	VF series	9W/meter	6meter
	VG series	3W/meter	10meter
V-FLEX Tunable	VFT series	12W(max)/m	6meter
V-COVE	VH series	13.7W/m	5meter
	VM series	6W/m	10meter
DOT-LESS 1-2	VD series	9W/meter	4meter
V-SPECTRA (RGBW)	DL FWX series	14W/m(max)	3m
V-WASH 1-2	VWM series	18W/m	3m
V-WASH 1-2 Tunable	VWMxxxx2265	22W/m	2.5m
V-TUNE-X	VTX 2265 series	22W/m(max)	2.5m

24Vdc
LED Driver,
4-channel output

single-line diagram

| LED FIXTURE | LED FIXTURE | LED FIXTURE |

| LED FIXTURE | LED FIXTURE | LED FIXTURE |

| LED FIXTURE | LED FIXTURE | LED FIXTURE |

Maximum Fixture Length in SERIES connection
(⇒ See above tabulation.)

Maximum 85% Load of LED driver

Recommended Lead Wire Gauge

The distance from 1st LED fixture to the driver and the load of the fixture will determine the appropriate wire gauge used for secondary circuit

This chart in the below indicates recommended wire gauge based on driver loaded 5A (approx 120W for 24Vdc fixture)

Wire Gauge at secondary circuit	
type	Wire length
AWG#16	below 5meter
AWG#14	5m ～max 12meter
AWG#12	8m ～max 18meter
AWG#10	18m ～max 20meter

Secondary Lead Wire

| LED Driver | LED FIXTURE | LED FIXTURE | LED FIXTURE |

LED Driver/AC-DC Switching power supply unit

Rated voltage of "V-FLEX" is **24Vdc**

Use 24Vdc output "constant-voltage" type of LED driver

Load ratio shall not exceed **85%** of nominal power capacity of the driver.

Do Not tamper voltage adjustment knob.

Cutting the module

⇒   Not Applicable, as this product is NOT cuttable.

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