

# V-Flex Tunable

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V-Flex is a brand of product series that is designed and developed by Brownie Ecotronics, mainly targeted for cove lighting application.

The perfect solution for general cove lighting that requires tunable CCT. Tunable CCT range is from 2200K up to 6500K. Circadian rhythm programming is also available by using optional DMX system. All luminaires of these series are designed with dark spot-less in between fittings.

DC24V

12.0W/m  
(max.)

IP44

Semi-Outdoor

Ra85  
(typ.)

Dimmable  
(DMX, DALI,  
0-10V)



*V-Flex Tunable 1 meter  
in Single Housing Type*



*V-Flex Tunable,  
Pre-wired Module Type*

## COMPETITIVE ADVANTAGE

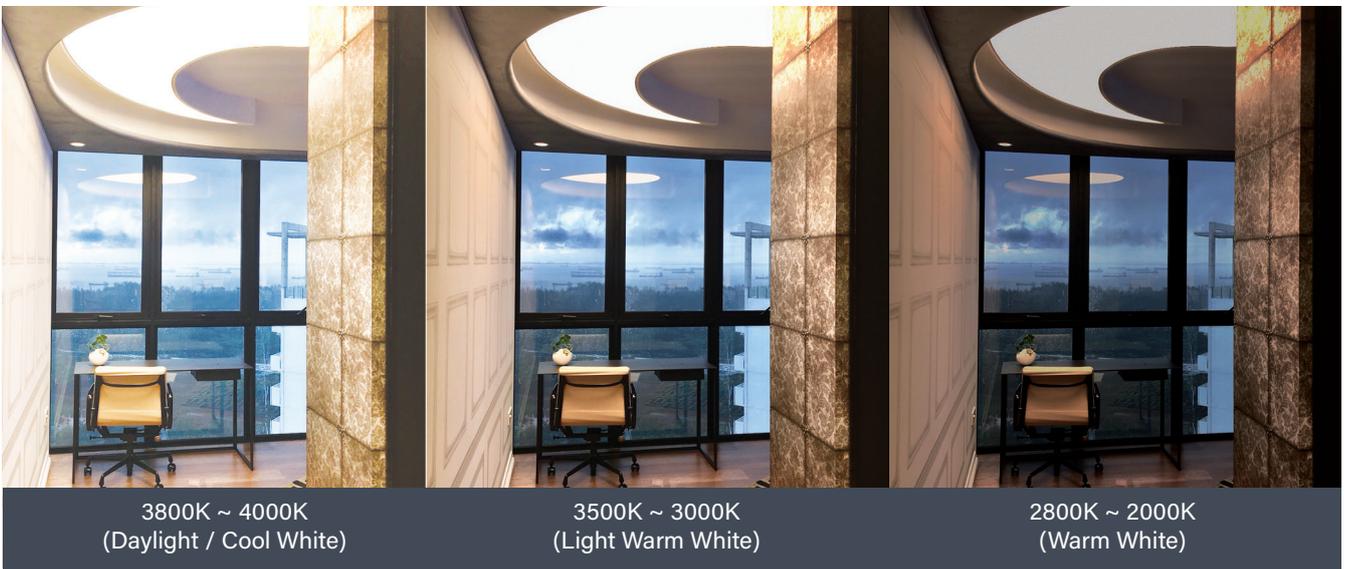
### 1. Rigid Yet Flexible/Dark Spot-Less Design:

Electrical connection error or solder crack are very common problems found in conventional LED strips that uses flexible PCB. In order to eliminate these problems, V-Flex incorporates overmoulded polymer between pre-wired fixtures, thus greatly enhances product reliability and at the same time achieving uniform lighting effect that are free of dark spots in the typical cove application. The overmoulded polymer can be twisted and bent up to 120° at all X.Y.Z (omnidirectional) directions, further enhance the flexibility of application.



With min. 60mm distance between LED and the nearest illuminated surface, perfect uniformity is achieved

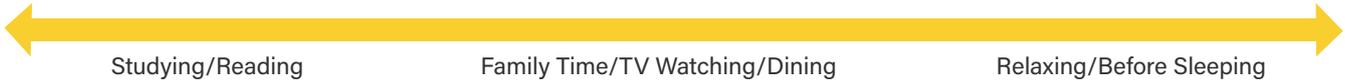
### 2. CCT Control / Scene Setting



3800K ~ 4000K  
(Daylight / Cool White)

3500K ~ 3000K  
(Light Warm White)

2800K ~ 2000K  
(Warm White)



Studying/Reading

Family Time/TV Watching/Dining

Relaxing/Before Sleeping

## CIRCADIAN RHYTHM PROGRAMMING CHART

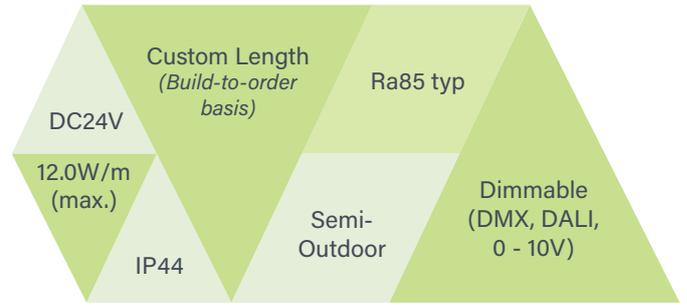
Circadian Rhythm Programming  
(Example for Optional DMX Programming)



## FEATURES

- Perfect solution for general cove lighting.
- CCT Tunable 2200K ~ 6500K.
- Excellent efficiency using NICHIA Japan LED with optimized circuit design and tight-controlled chip's Vf properties.
- Dark spot-less in between fittings, minimized voltage drop due to unique design of power compensation wire.
- Customized solution of different fixture length allows to apply to vanity mirror box and other indirect lighting.
- Excellent colour consistency MacAdam 3 Step Centre Binning (right on top of black locus body line).
- Protection circuits equipped against reverse polarity.

## BASIC SPECIFICATION



3 Modules Pre-wired VFT0600-2265A (L600mm)



Single Housing Type VFT10SH-2265A (L1000mm)

## PRODUCT SPECIFICATIONS

Product Name	V-Flex Tunable				
Model No.	VFT3000-2265A (L3000mm) 15-in-1 Pre-wired	VFT1000-2265A (L1000mm) 5-in-1 Pre-wired	VFT10SH-2265A (L1000mm) Single Housing Type	VFT0600-2265A (L600mm) 3-in-1 Pre-wired	VFT0200-2265A (L200mm) Single Casing
Input Voltage	24Vdc	24Vdc	24Vdc	24Vdc	24Vdc
Power Consumption	36 W (max.)	12 W (max.)	12 W (max.)	7.2 W (max.)	2.4 W (max.)
Dimension (mm)	3000*19*12(H)	1000*19*12(H)	1000*19*12(H)	600*19*12(H)	200*19*12(H)
Weight	570 grams	190 grams	190 grams	112 grams	38 grams
Casing Body	Aluminium Heatsink with UV-resistant Polycarbonate Semi-Frosted Diffuser				
LED Beam Angle	110°	110°	110°	110°	110°
Operating Temperature	-10°C~50°C	-10°C~50°C	-10°C~50°C	-10°C~50°C	-10°C~50°C
Max. Length of Series Connection	6 meter	6 meter	6 meter	6 meter	6 meter
Option Parts	Mounting clip bracket 0° (flat) type / 45° fixed angle type				
No of LEDs	180	60	56	36	12
Power Supply Unit (Gear-Driver)	24Vdc Contant-Voltage Switching Power Supply (TDK Lamba, Sold Separately)				
Dimmable Control	Dimmable	Dimmable	Dimmable	Dimmable	Dimmable
Lumens (typical @ 3200K max output)	3754	1251	1251	751	250

Model No

# VFTXXX — 2265A

Fixture Type & Fixture Length

Color Temperature

## Fixture Type & Fixture Length

- VFT1000** → V-Flex Tunable L1000mm in 5-in-1 Pre-wired Configuration
- VFT10SH** → V-Flex Tunable L1000mm in One Single Housing
- VFT0600** → V-Flex Tunable L600mm in 3-in-1 Pre-wired Configuration
- VFT0200** → V-Flex Tunable L200mm
- VFT3000** → V-Flex Tunable L3000mm in 15-in-1 Pre-wired Configuration

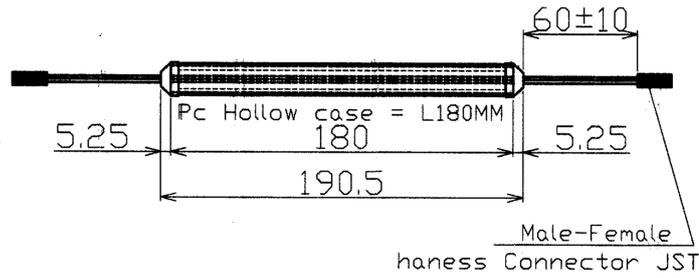
## Color Temperature

- 2265A** → Tunable 2200K ~ 6500K (= Standard Spec Ra85 typ.)

## MECHANICAL DRAWING

1

190mm = 1-in-1

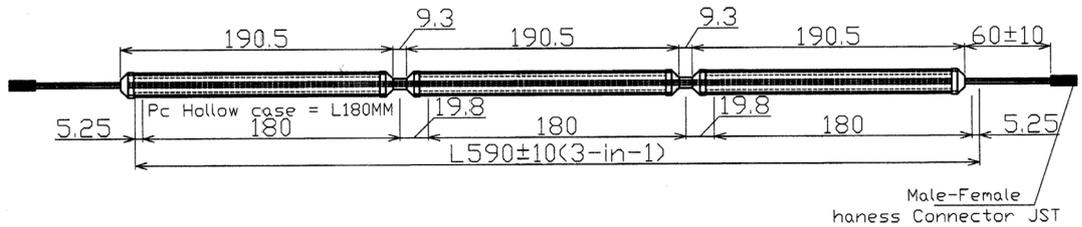


VFT0200-2265A -  
L200mm in Single  
Housing



2

Approx.  
0.6m = 3-in-1



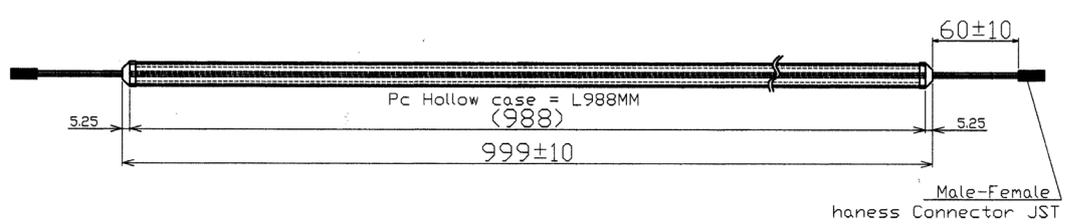
VFT0600-2265A -  
L600mm  
3 Modules Pre-wired



3

1m in Single Housing

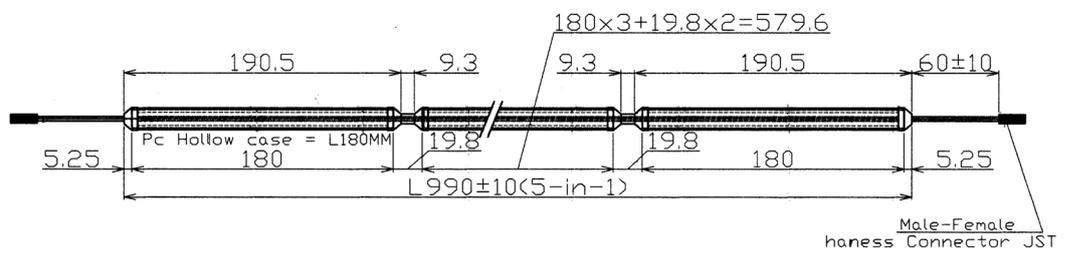
VFT10SH-2265A - L1000mm in Single Housing



4

Approx. 1m = 5-in-1

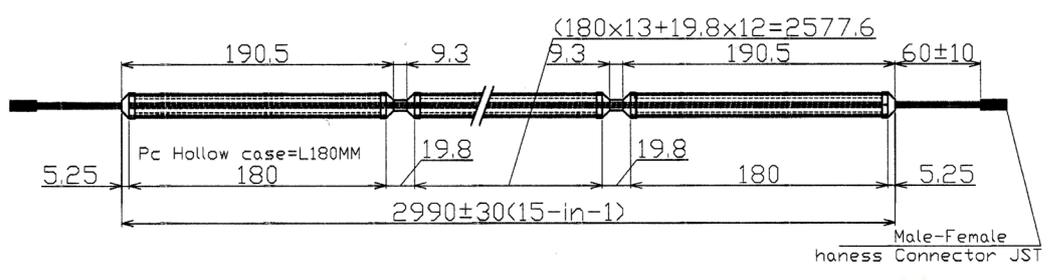
VFT1000-2265A - L1000mm 5 Modules Pre-wired



5

Approx. 3m = 15-in-1

VFT3000-2265A - L3000mm 15 Modules Pre-wired



Male-Female Connector (Standard Spec comes with this connector)

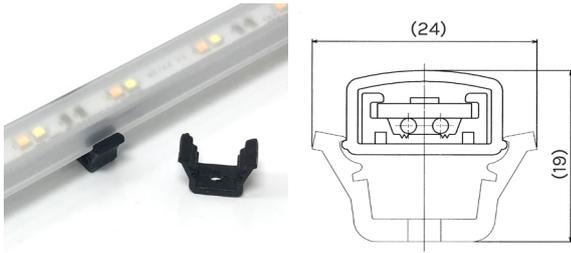
Red Cable = Common Positive (+)  
 Centre Black Cable = Daylight (-)  
 Black Cable at Extreme End = Warm (-)



## OPTIONAL ACCESSORIES

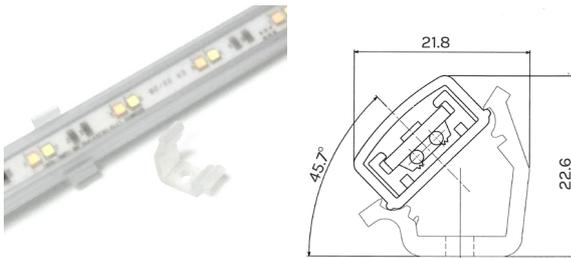
### 1 Mounting Clip Bracket 0° Flat Type

Model: MC-0DEG



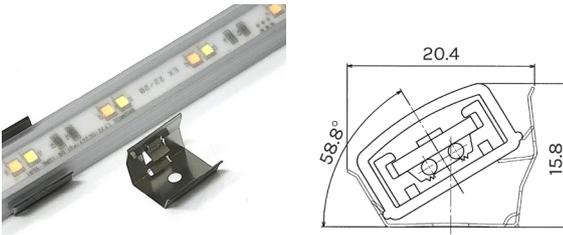
### 2 Mounting Clip Bracket 45° Type

Model: MC-45DEG



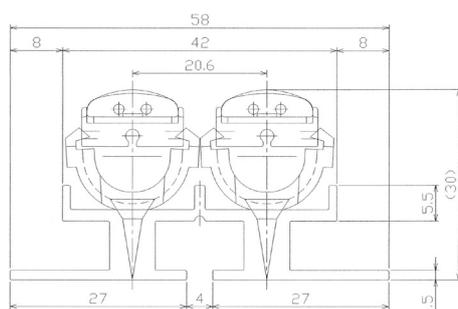
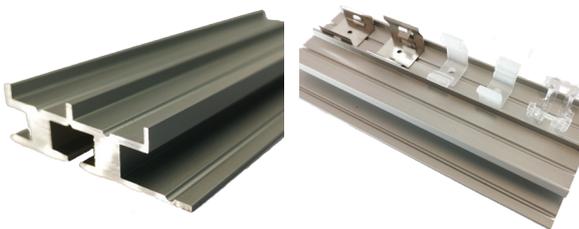
### 3 Metal Mounting Clip 30° Type

Model: MMC-30DEG



### 4 Aluminum Guide Rail

(For forming two rows fixtures)



## PHOTOMETRICS

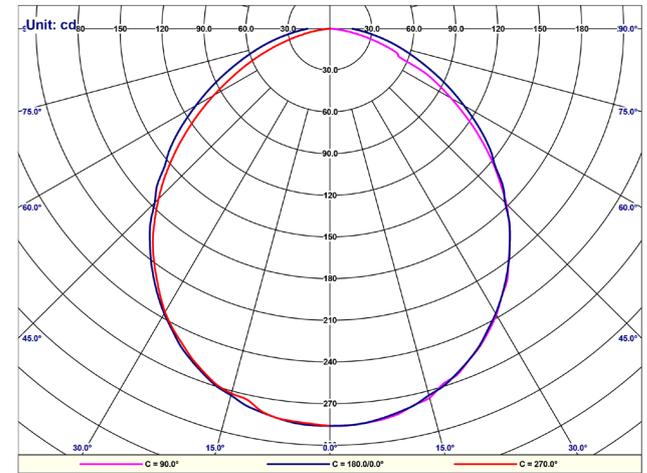
**BROWNIE Lab 190214**

VFT0600-2265A (L600mm) @CCT 3200K Max. Output

Article No.: VFT0600-2265A

Luminous flux (Luminaire): 751 lm

Luminous flux (Lamps): 751 lm



**BROWNIE Lab 190215**

VFT0600-2265A (L600mm) @ CCT 2500K

Article No.: VFT0600-2265A

Luminous flux (Luminaire): 335 lm

Luminous flux (Lamps): 335 lm

