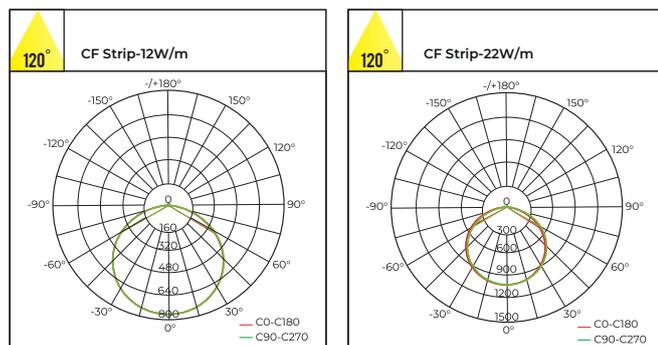
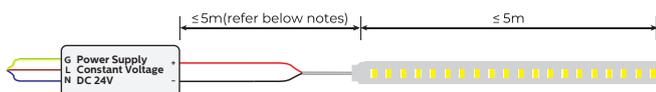


## Polar Diagrams:



## Wiring Diagram(24VDC):

- Single - end Feed



## Notes:

- Maximum length of LED Strip ---- ≤5meters.
- Maximum length of cable from Driver plus Controller(if applicable) to LED Strip ---- ≤5meters.
- Preferably use 18AWG( 0.81mm<sup>2</sup> ) 2 core cable for 5m span between Driver and LED Strip.  
In case of less than 2m span between Driver and LED Strip, please use 20AWG( 0.52mm<sup>2</sup> ) 2 core cable to minimize voltage drop. Use appropriate size cable with correct polarity between Driver and Controller (if applicable) to minimize voltage drop.  
A two way connector(installer scope) may be required to connect incoming 18AWG( 0.81mm<sup>2</sup> ) wires with 20AWG( 0.52mm<sup>2</sup> ) wires required at LED Strip end.
- Ensure firm and durable connections to respective LED Strip terminals.
- Please ensure correct polarity connections between Driver and Controller(if applicable). Also ensure correct wiring connections(per color coding) between Driver/Controller(if applicable) and LED Strip.

## Benefits:

A sleek platform to create soft indoor environment which portrays **Elegance, Invitation, Orientation, Ambiance** and **Distinctive Visual Expression**.

## Features:

- Suitable for indoor use only.
- This series comprises of two models
  - a) 22W/m - 24VDC - 10mm wide - 240 Single Bin LEDs/meter.
  - b) 14W/m - 24VDC - 10mm wide - 80 RGBW LEDs/meter.
  - c) 12W/m - 48VDC - 10mm wide - 200 Single Bin LEDs/meter.
- Each model having constant current IC based circuit thus ensuring unmatched spot free and consistent luminous flux throughout the span for superior lighting effects.
- 24VDC and 48VDC output based system for optimum flicker less operation and performance.
- Luminous efficacy 140Lumens/watt for CCT 4000K
- Choice of six monochrome white tones i.e. 2300K, 2700K, 3000K, 3500K, 4000K and 6000K
- White color tones having excellent color rendering index CRI>90(Ra).
- Color consistency value of SDCM<2 for 2300K, 2700K, 3000K, 3500K, 4000K and 6000K
- 120° beam angle for optimum light distribution.
- IP20 rating making it suitable for standard indoor applications.
- Lifespan up to 50,000 hours (L80B10).
- Ambient indoor operating temperature range from -25°C to +40°C.
- SMD Strip having FPC (flexible printed circuit) with 3oz layered Copper foil for performance, durability and swift heat dissipation.
- High quality branded self-adhesive tape for firm adhesion to mounting surface of Aluminium profile.
- Available in standard pack of 5 meters reel length.

## Applications:

- Decorative indoor lighting of furniture, cabinets, display stands, indoor coves, architectural features, direct and indirect surface and pendant lighting.
- Indoor hospitality areas: lobbies, reception, lift area, restaurants, bars, guest rooms, corridors, ball rooms, conference areas, business center, workout areas, rest rooms etc.

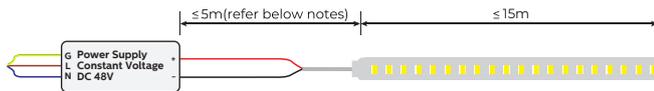
## Options:

- IP65 and IP67 rated customized LED Strip are available for indoor use only.
- CRI (Ra) 90.
- Comprehensive range of 24VDC and 48VDC output drivers with on-off and dimming options (DALI2, CASAMBI, 1-10V e.t.c.) are available as options
- Our technical team can provide assistance from concept to commissioning stages of a project having customized, intricate and complex requirements.
- For aforementioned options, please share requirements with our sales representative for a techno-commercial proposal.



## Wiring Diagram(48VDC):

- Single - end Feed



### Notes:

- Maximum length of LED Strip ---- ≤15meters
- Maximum length of cable from Driver plus Controller(if applicable) to LED Strip ---- ≤5meters.
- Preferably use 18AWG( 0.81mm<sup>2</sup> ) 2 core cable for 5m span between Driver and LED Strip.  
In case of less than 2m span between Driver and LED Strip, please use 20AWG( 0.52mm<sup>2</sup> ) 2 core cable to minimize voltage drop. Use appropriate size cable with correct polarity between Driver and Controller (if applicable) to minimize voltage drop.  
A two way connector(installer scope) may be required to connect incoming 18AWG( 0.81mm<sup>2</sup> ) wires with 20AWG( 0.52mm<sup>2</sup> ) wires required at LED Strip end.
- Ensure firm and durable connections to respective LED Strip terminals.
- Please ensure correct polarity connections between Driver and Controller(if applicable). Also ensure correct wiring connections(per color coding) between Driver/Controller(if applicable) and LED Strip.

## Connectors:

Choice of 2 pins strip to strip, strip to wire and strip to strip bridge connectors are available for filed connection.  
To be ordered separately.



Strip to Wire Joint, 2 Pins-10mm IP20 (CSW)



Strip to Strip Joint, 2 Pins-10mm IP20 (CSS)



Slim Connector 2 Pins-10mm IP20 (SC)

## Ordering Guide:

Product	CCT	Wattage(W/m)	Voltage(DC)	Width(mm)	Ingress Protection	Driver
CF HPSMD= CF Strip High Power SMD2835 Series	2.3K=2300K 2.7K=2700K 3K=3000K 3.5K=3500K 4K=4000K 6K=6000K	22W	24VDC	10mm	IP20 IP65 IP67	S=On/Off D=DALI2 V=0-10V C=CASAMBI DMX=DMX512
		12W	48VDC			
	RGBW	14W	24VDC			

\* Please choose wattages from same color box matching respective product.

## Product Code and Parameters (22W/m - 24VDC - 10mm wide - 240 LEDs/meter):

Product Code	Wattage(W/m)	Voltage(VDC)	CCT	CRI(Ra)	Lumen Flux (LM/m)	Min. Cutting(mm)	Reel Length(mm)
CF HPSMD-3K-22W-24VDC-10mm-IP20-S	22W	24VDC	3000K	> 90	2900	4.17	5000
CF HPSMD-4K-22W-24VDC-10mm-IP20-S	22W	24VDC	4000K	> 90	3014	4.17	5000

## Product Code and Parameters (14W/m - 24VDC - 10mm wide - 80 LEDs/meter):

Product Code	Wattage(W/m)	Voltage(VDC)	CCT	CRI(Ra)	Lumen Flux (LM/m)	Min. Cutting(mm)	Reel Length(mm)
CF HPSMD-RGBW-14W-24VDC-10mm-IP20-S	14W	24VDC	RGBW			12.50	5000

## Product Code and Parameters (12W/m - 48VDC - 10mm wide - 200 LEDs/meter):

Product Code	Wattage(W/m)	Voltage(VDC)	CCT	CRI(Ra)	Lumen Flux (LM/m)	Min. Cutting(mm)	Reel Length(mm)
CF HPSMD-3K-12W-48VDC-10mm-IP20-S	12W	48VDC	3000K	> 90	1715	10.00	15000
CF HPSMD-4K-12W-48VDC-10mm-IP20-S	12W	48VDC	4000K	> 90	1760	10.00	15000

## Application Images:



## Accessories:

Possibility to use Aluminium profile with Polycarbonate frosted diffuser as mounting platform could be explored in consultation with our sales representative. Holistic application analysis before selection is required. Details of mounting profiles as accessories options are stated below:

## Mounting Profile and Diffuser Options:

Product	Picture	Profile Material	Diffuser Material	Dimension and Maximum Lengths	Accessories
D8 Surface Mounting		Anodized Aluminium	PC Frosted	 Profile and Diffuser Length = 1000mm/2500mm	 End Caps  Mounting Brackets
S16A Surface or Recessed Mounting		Anodized Aluminium	PC Frosted	 Profile and Diffuser Length = 1000mm/2500mm	 End Caps  Mounting Brackets
S16B Surface or Recessed Mounting		Anodized Aluminium	PC Frosted	 Profile and Diffuser Length = 1000mm/2500mm	 End Caps  Mounting Brackets
R25A Recessed Mounting		Anodized Aluminium	PC Frosted	 Profile and Diffuser Length = 1000mm/2500mm	 End Caps
R25B Recessed Mounting		Anodized Aluminium	PC Frosted	 Profile and Diffuser Length = 1000mm/2500mm	 End Caps

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