



**stellar 15**

APPLICATIONS



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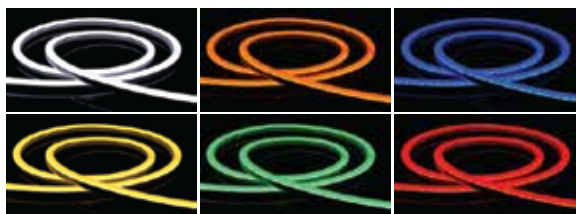
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## STELLAR 15

Flexible Design  
Multiple Applications

Introducing our high-quality, flexible LED silicone flex featuring unique co-extrusion technology. This innovative design combines exceptional flexibility with superior lighting performance, making it ideal for a wide variety of indoor and outdoor applications.

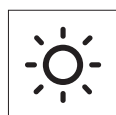
## COLOUR



## PRODUCT FEATURES



## CUSTOMIZATION



Available to customize the colour temperature from 2200K to 6500K  
Colour like R/G/B/W



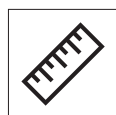
Available to customize the cable. Standard length 0.6m (bare wire) 0.3m (with male/female connector)



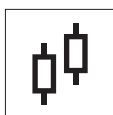
Available in CRI >90



Options for different injection mold connectors (direct, side, bottom entry)



Custom lengths of LED linear flex are available to suit your specific project requirements.



We can develop new cross sections and profiles tailored to your specific project needs.

**Note :** Fixture manufactured to desired length and Factory IP rated tested (Not field cuttable)

The Stellar silicone co-extrusion flex is an advanced lighting solution designed for durability and performance. Offering exceptional UV resistance, chemical stability and abrasion resistance, this flexible luminaire is ideal for both indoor and outdoor applications. With an IP68 rating, it is fully protected against dust and water ingress, ensuring reliable use in demanding environments. The flexible design allows for easy horizontal bending, delivering a uniform light output along its entire length. Additionally the Stellar flex can be configured to the precise length needed with small cutting increments, allowing for seamless and flexible installation in various settings.

### Product Description

- Ultra bright LED Silicone - Side Bend
- Anti-UV for outdoor use.
- Flexible horizontal bending diameter of 80mm for easy of installation.
- Available in 120° beam angle.
- Even light distribution & no dot spots.
- CRI ( Ra ) : >90
- Constant voltage non integral power supply
- Low Voltage at 24V dc assures safety.



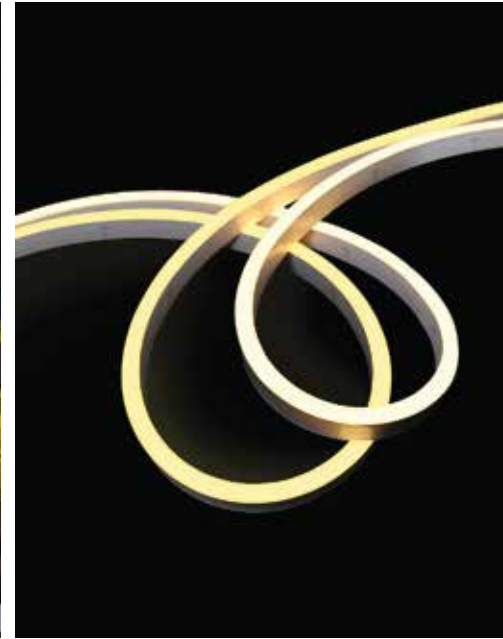
### Product Benefits

- Dot free and absolutely homogeneous light emission surface.
- Flexibility combined with high durability.
- High luminous flux
- High colour consistency

### Areas of Application

- Signboard
- Logo
- Accent Lighting
- Hospitality Industry
- Commercial & Business Centers





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**Technical Specifications**

**General**

ID	: 3397
System Wattage	: 12W/m
LED Count	: 60 LEDs/m
Cutting Unit	: 6 LEDs
Cutting Unit Length	: 100 mm
Minimum Bend Dia	: 80 mm
Driver Non-Integral	: Constant Voltage
Operating Voltage	: 24Vdc
Operating Temperature	: -40°C to 55°C

**Light Source**

Light Source	: SMD 5050
CRI (Ra)	: >90
LED Colour Temperature	: 2700K / 3000K (Other CCTs on request)
LED Life Time	: 70,000 Hours L70 @ 25°C 50,000 Hours L70 @ 50°C

**Driver**

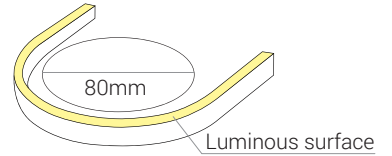
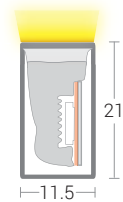
Power Supply	: Non - Integral
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**Physical**

Body	: Silicone - Side Bend
Mounting	: Aluminium Channel, SS Clamp, SS flexible channel

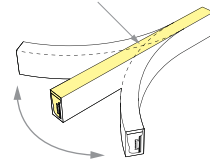
**Optical Performance**

Beam Angle	: 120°
Max Run Length*	
Single Feed	: 10 m
Double Feed	: 20 m



Min. Bending Diameter

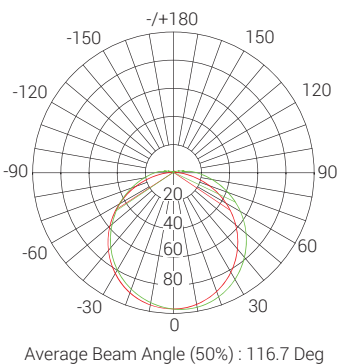
Emitting Surface



Horizontal Bending



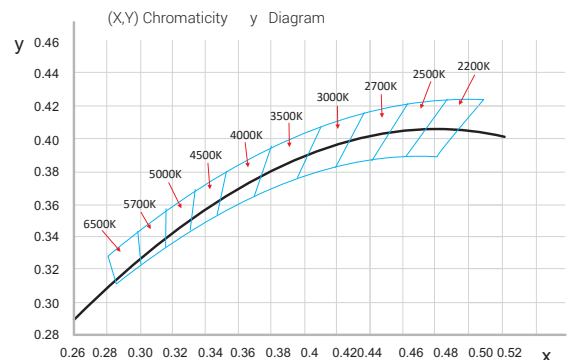
**Illuminance Distribution**



**Cone Diagram**

Height	Center E	Average E	Dia
1.0m	94.36lx	27.6lx	3.0m
2.0m	23.59lx	6.9lx	6.0m
3.0m	10.48lx	3.0lx	9.0m
4.0m	5.89lx	1.7lx	12m
5.0m	3.77lx	1.1lx	15.1m

**White Colour Chart**





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**Technical Specifications**

**General**

ID	: 3397
System Wattage	: 17W/m
LED Count	: 60 LEDs/m
Cutting Unit	: 6 LEDs
Cutting Unit Length	: 100 mm
Minimum Bend Dia	: 80 mm
Driver Non-Integral	: Constant Voltage
Operating Voltage	: 24Vdc
Operating Temperature	: -40°C to 55°C

**Light Source**

Light Source	: SMD 5050
LED Colour Temperature	: RGBW (W-4000K)
LED Life Time	: 70,000 Hours L70 @ 25°C 50,000 Hours L70 @ 50°C

**Driver**

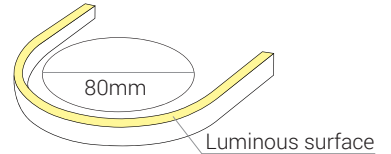
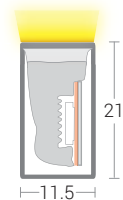
Power Supply	: Non - Integral
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**Optical Performance**

Beam Angle	: 120°
Max Run Length*	
Single Feed	: 8 m
Double Feed	: 16 m

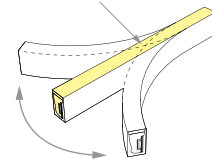
**Physical**

Body	: Silicone - Side Bend
Mounting	: Aluminium Channel, SS Clamp, SS flexible channel



Min. Bending Diameter

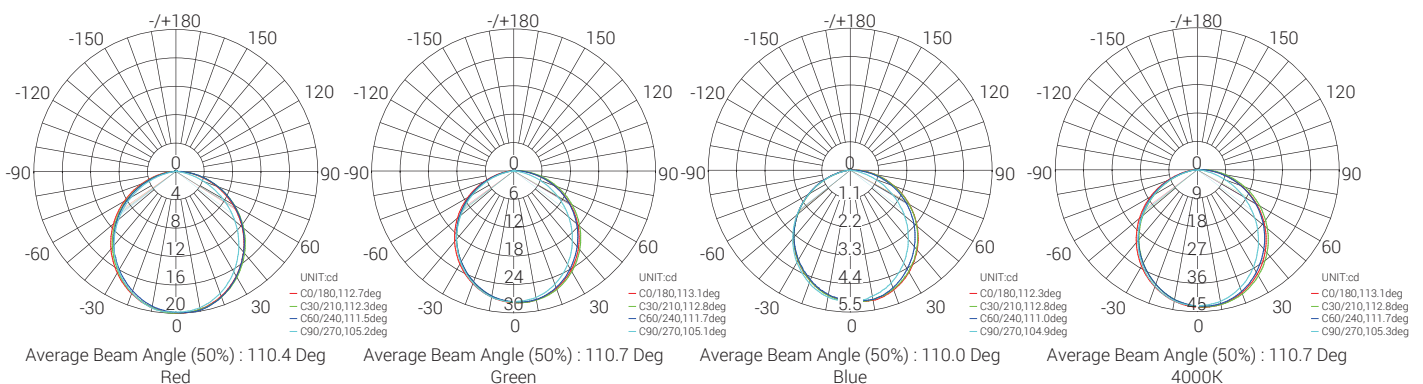
Emitting Surface



Horizontal Bending



**Illuminance Distribution**





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### Technical Specifications

#### General

ID	: 3397
System Wattage	: 18W/m
LED Count	: 70 LEDs/m
Cutting Unit	: 7 LEDs
Cutting Unit Length	: 100 mm
Minimum Bend Dia	: 80 mm
Driver Non-Integral	: Constant Voltage
Operating Voltage	: 24Vdc
Operating Temperature	: -40°C to 55°C

#### Light Source

Light Source	: SMD 5050
LED Colour Temperature	: RGBW (W-3000K)
Working Mode	: SPI
Pixels Quantity	: 10 Pixel/m
IC Chips	: UCS8904
LED Life Time	: 70,000 Hours L70 @ 25°C 50,000 Hours L70 @ 50°C

#### Physical

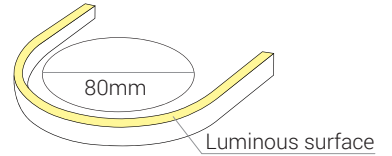
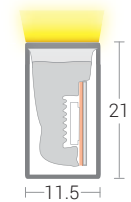
Body	: Silicone - Side Bend
Mounting	: Aluminium Channel, SS Clamp, SS flexible channel

#### Driver

Power Supply	: Non - Integral
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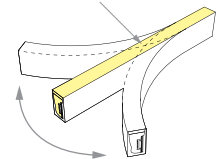
#### Optical Performance

Beam Angle	: 120°
Max Run Length*	
Single Feed	: 8 m
Double Feed	: 16 m



Min. Bending Diameter

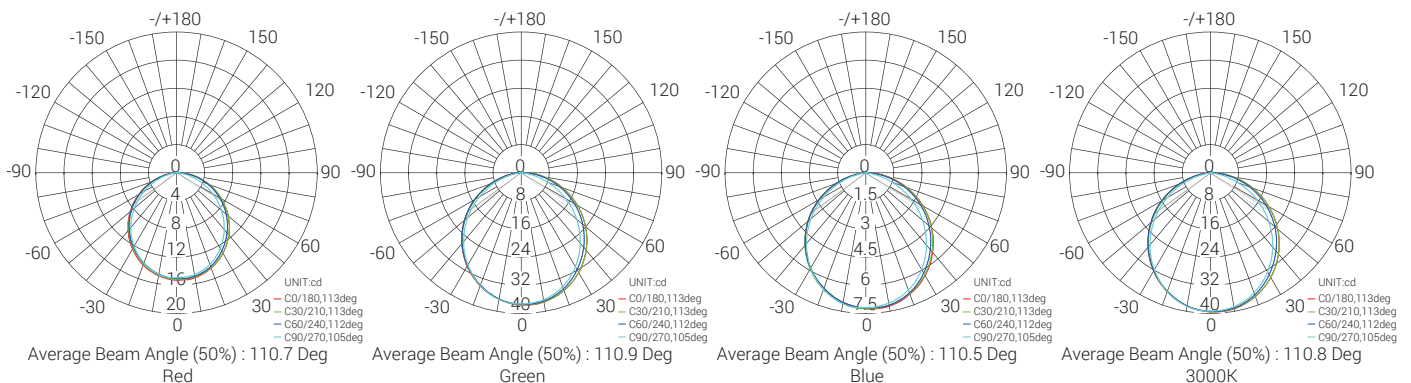
Emitting Surface



Horizontal Bending



### Illuminance Distribution



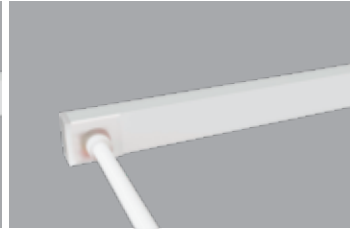


## ACCESSORIES

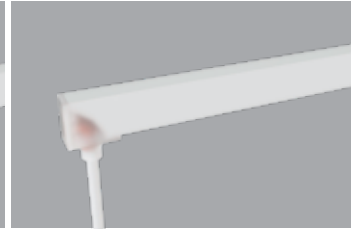
### Connector



Direct Entry Connector



Side Entry Connector



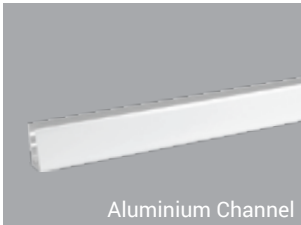
Bottom Entry Connector



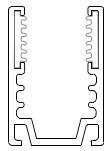
End Cap

## MOUNTING ACCESSORIES

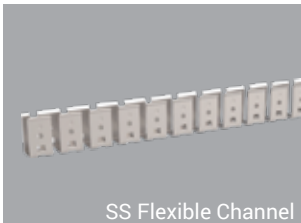
### Stellar 15 - SV



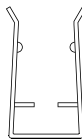
Aluminium Channel



SS Clamp



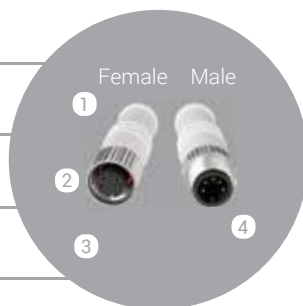
SS Flexible Channel



## CABLE CONNECTOR (MALE & FEMALE)



1. Double layer high viscosity TPU
2. 316 stainless steel material
3. Nylon material
4. Solid Copper Pin



Middle power connector

SCHEMATIC DRAWING - CONNECTION

FG (Green)  
AC/L (Brown)  
AC/N (Blue)

