

SpotFlex LED 48 White & Single Colour



The SpotFlex LED 48 is a specialized FlexLED strip designed with integrated lenses to provide focused, long-range illumination. Unlike standard FlexLED strips with a typical 120° beam angle, SpotFlex LED narrows the beam to 30°, 45°, 60°, or oval beam angles (20° x 45°, 20° x 45° x 10°) for precise uplighting and downlighting applications. Featuring a durable thermoplastic polyurethane lens, this LED strip ensures controlled light distribution for walls, objects, and surfaces requiring extended reach.

Key Features

- Integrated Lenses – Narrows beam angles for precise illumination (30°, 45°, 60°, and oval beam options).
- Optimized for Long-Throw Applications – Perfect for uplighting, downlighting, and accent lighting.
- Durable TPU Lensing – Provides consistent beam control and long-term reliability.
- Wide Colour Options – Available in 2700K, 3000K, 4000K, 5000K, Red, Green, Blue, and Amber.
- Custom Colours & Wavelengths – Special orders available upon request.
- Flexible Cut Points – Standard 12.5cm cut intervals (13.5cm near molded end caps).

Installation & Power Considerations:

- Pricing is for 5 meters (16.4') - custom lengths available.
- Controller, power supply, and extension cables sold separately.
- Quantity discounts available.

Additional Details: Pricing is for 5 meters (16.4') - custom lengths available. Controller, power supply, and extension cables sold separately. Quantity discounts available.

VDC

24 VDC

BEAM
ANGLE

20° X 45° X 10°
20° X 45°
30° / 45° / 60°



5 Years



UL

CRI

95+



Compliant



Certified



20MM / 16MM



IP67
Outdoor



White
& Single Colour



5M (16.4')



Dimmable

TECHNICAL SPECIFICATIONS

Product Type	White	Solid Colours
Product Code	: SDFX-O24VO2010-XXXX-95-240-ZZ-5MBEW	SDFX-O24VO2010-XXX-NA-240-2045-5MBEW
CRI	: 95+	
Kelvin	: 2700K or 3000K or 4000K or 5000K (+/-100k)	Red / Green / Blue / Amber
PCB Color	: White	
Current, Rating	: 1.0 / meter	
Voltage	: 24 VDC	
Wattage	: 23.8 W / meter	
CC / CV	: Constant Voltage	
IP Rating	: IP67	
Lumens @ Full @ 30°	: 1737 lm	NA
Lumen / Watt @ 30°	: 73 lm/w	NA
Lifetime*	: 30,000 hours	
Cutting Length	: 12.50 cm except for end caps in which case it is 13.50 cm	
LED Quantity	: 48 LED / meter, 6 /segment	
Number of Contacts	: 2	
LED Type	: 3030	
Copper Quantity	: 3 Oz.	
Temperature, Operating, Maximum	: 70° C	
Temperature, Operating, Minimum	: -40° C	
Agency Ratings	: UL - E489028, CE, RoHS	
Width / PCB Width	: 20MM / 16MM	
Maximum Recommended Length	: 5 meters	
Viewing Angle	: 30°/ 45°/ 60° and 20° X 45° / 20° X 45° X 10°	
Adhesion	: 3M VHB 5952	

TECHNICAL SPECIFICATIONS

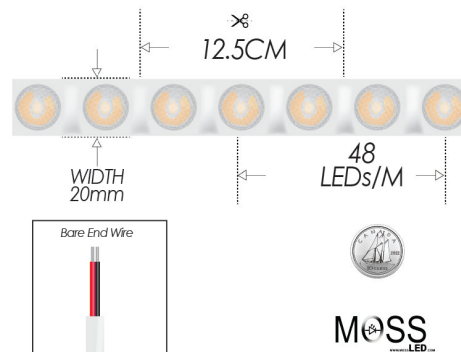
SPOTFLEX LED WHITE & SINGLE COLOUR SKU ORDERING CODES

SDFX	O24V	O2010	XXXX	YY	240	ZZ	5M	BEW
1	2	3	4	5	6	7	8	9
Series	IP & Voltage	Optic	CCT/Colour	CRI	LEDs	Beam Angle	Length	Wiring
1 Series SDFX SpotFlex			2 IP Rating & Voltage O24V Outdoor IP67 / 24 Volt DC		3 Optic Type O2010 20mm Optic, 10mm Height			
4 CCT / Colour WW27 Warm White 2700K WW30 Warm White 3000K NW40 Neutral White 4000K CW50 Cool White 5000K BLU Blue			5 CRI 95 CRI 95+ NA N/A (Solid Colours)		6 LEDs per 5M Reel 240 48 LEDs/meter (240 per reel)			
7 Beam Angle 30 30° 45 45° 60 60° 2045 20° x 45° (Oval) 204510 20° x 45° x 10° (Asymmetric)			8 Length 5M Standard 5 Meter		9 Input Connector BEW Bare End Wire (Stripped & Tinned)			

DIMENSIONAL DRAWINGS

Dimensional Drawing - 48 LEDs/M, 30° Beam Angle

SDFX-O24VO2010-XXXX-YY-240-30-5MBEW



INSTALLATION NOTES

Lead time for custom products are typically 6 - 8 weeks. Please contact us to discuss your project requirements.

Follow all instructions on bag label.

Weatherproof is rated at IP67.

TECHNICAL SPECIFICATIONS

Installation surface must be smooth, clean, and dry.

Do not crush or bend SpotFlex LED tape.

SpotFlex LED tape can only be cut on cut lines.

Soldering Guidelines:

Use a soldering iron between 360°C and 372°C (680°F ~ 702°F).

Limit heating of each solder pad to a maximum of 3 seconds to avoid separation.