

Flexible LED Sheet Panel 480x240mm RGBCCT 90W 24V DC IP20

OVERVIEW

The 7-FS9.5x19-RGBCCT-24V is a flexible LED sheet panel measuring 480x240mm, utilizing SMD5050 5-in-1 RGBCCT chips (red, green, blue, white, and warm white in a single package) for full-color and tunable white output. Designed for dot-free, soft illumination, it is suited for letter signage backlighting, light box advertising, architectural accent lighting, and auditorium walkway applications. The panel bends freely with a minimum bend radius of 60mm and includes a 3M adhesive backing with an on-board XH female connector for straightforward installation.

The panel operates at 24V DC with a rated power draw of 90W (100W maximum) and delivers 100 lm/W efficacy across 288 LEDs at a CRI of 80 and a 180° beam angle. Rated for 50,000 hours of service life, the unit carries an IP20 ingress protection rating and is suitable for operating temperatures from -40°C to +60°C. The panel weighs 0.16 kg per sheet, with a minimum cut interval of 60mm.

The product is UL Listed and RoHS compliant. Installation should be performed by qualified personnel in accordance with applicable electrical safety standards, using a regulated switching power supply with overcurrent, overvoltage, and short-circuit protection. A 2-year manufacturer warranty is included.

SPECIFICATIONS

Power	90 W	Warranty	2 years
IP rating	IP20	Operating temp	-40 to +60 °C
Input voltage	24 V	Weight	0.16 kg
CRI	80	Rated life	50000 hours
Beam angle	180 °	Dimensions	480 x 240 mm

DIMENSIONS

Model No.	7-FS9.5x19-RGBCCT-24V
SKU No.	7-FS9.5x19-RGBCCT-24V
Manufacturer	POLI-LED
Physical Characteristics	
Material	PC
Material Color	White
Material Thickness	1.5 mm
Material Weight	0.16 kg
Material Temperature	-40 to +60 °C
Light Technical Data	
LED Type	SMD5050 5-in-1 RGBCCT
LED Power	90 W
LED Voltage	24 V
LED Current	3.75 A
LED Quantity	288
LED Spacing	16.67 mm
LED Beam Angle	180°
LED Efficacy	100 lm/W
LED Color	RGBCCT
LED CRI	80
LED Life	50000 hours
LED Temperature	-40 to +60 °C
Electrical Characteristics	
Input Voltage	24 V DC
Input Current	3.75 A
Output Power	90 W
Output Voltage	24 V DC
Output Current	3.75 A
Power Factor	0.95
Efficiency	100%
THD	5%
Surge Protection	Yes
RoHS Compliant	Yes
UL Listed	Yes