

RGB LED Flexible Sheet 60W 24VDC SMD5050 IP20 Backlit Signage Panel

OVERVIEW

The NS-5050-288-24-A is a 60W RGB LED flexible sheet operating at 24VDC, designed for backlit signage, light boxes, luminous characters, and architectural accent applications. Its thin, pliable construction allows it to conform to curved and irregular surfaces, making it suitable for space-sensitive installations where rigid panels are not practical.

Each sheet contains 288 SMD5050 LEDs arranged in a high-density array to minimize hot spots and deliver uniform light distribution across a 480 x 240 x 2mm footprint. The sheet draws 60W total (20W per color channel) with a 120-degree beam angle and a CRI of 80. IP20 rating suits dry indoor environments. PWM dimming is supported via compatible RF, Bluetooth, 0/1-10V, Triac, DALI, DMX, or Wi-Fi drivers. Installation is facilitated by integrated 3M adhesive tape backing and screw-mount provisions. The sheet can be cut at 120 x 40mm intervals to fit custom dimensions.

The product carries UL and RoHS certifications as confirmed in the product documentation. A 3-year manufacturer warranty applies.

SPECIFICATIONS

Power	60 W	Input voltage	24 V
CRI	80	Dimensions	480 x 240 x 2 mm
Beam angle	120 °	Weight	0.1 kg
IP rating	IP20	Warranty	3 y

INSTALLATION

Dimming Methods	PWM (dimnable driver like RF, Bluetooth, 0/1-10V, Triac, DALI, DMX, WIFI etc.)
Net Weight(kg)	0.1KG
Certificate	UL/CE/RoHS/UKCA

CERTIFICATIONS & COMPLIANCE

