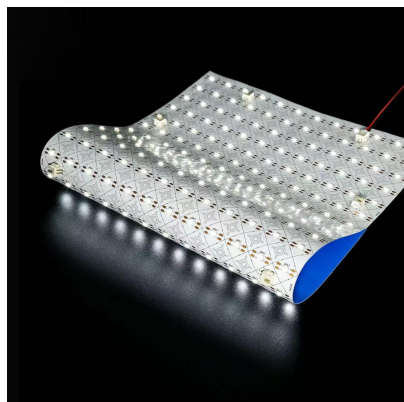




LED Panel Sheet, 43 W/m, 600 LEDs/m, 24 V DC, 3000 K, IP20, 5 m Cuttable Roll

- SMD2835 emitters populated at 600 LEDs/m on a double-layer PCB
- 3200 lm/m at 3000 K with CRI 80 and a 120-degree emitting angle
- 43 W/m draw at 1.8 A/m from a 24 V DC constant-voltage supply
- Cuttable along pre-marked straight, stepped and diagonal routing lines
- IP20 rated for -20 C to +45 C at 40-70% RH ambient conditions
- UL and RoHS compliant with 50,000-hour LED life and 3-year warranty

OVERVIEW

The APOLO FLEX 180 LED panel sheet is a flexible 24 V DC lighting matrix supplied on a 5 m roll measuring 500 × 24 cm. The sheet is cuttable along pre-marked straight, stepped and diagonal routing lines, allowing custom shapes for backlit surfaces, bar and hospitality millwork, billboards and large-area indoor lighting.

SMD2835 emitters are populated at 600 LEDs/m and draw 43 W/m at 1.8 A/m, producing 3200 lm/m at 3000 K with CRI 80 and a 120-degree emitting angle. Construction uses a double-layer PCB with 3M adhesive backing. Rated IP20 for operation from -20 C to +45 C at 40-70% RH, with a 50,000-hour LED life. One connector feed supports up to 3 m of sheet; parallel wiring is recommended to limit voltage drop.

UL and RoHS compliant, with a UL logo marked on the PCB. Backed by a 3-year warranty.

SPECIFICATIONS

OPTICAL

Luminous Flux	3,200 lm
Color Temperature	3,000 K
CRI	80
Beam Angle	120°
LED Chip Type	SMD2835
LED Density	600 LEDs/m
LED Lifetime	50,000 h

MECHANICAL

Product Dimensions	500 * 24 cm
Length	5 m 16.4 ft

ELECTRICAL

Operating Voltage	24 V
Wattage	43 W
Maximum Current	1.8 A

ENVIRONMENTAL

IP Rating	IP20
Ambient Operating Temperature	-20-45 °C -4-113 °F
Operating Humidity	40-70% RH

ORDERING

Warranty

3 y

DIMENSIONS & DIAGRAMS



DIMENSIONS

CERTIFICATIONS & COMPLIANCE

UL

UL Listed
E346797

RoHS

RoHS Compliant

APPLICATIONS

- Backlit translucent surfaces and signage faces
- Bar and hospitality millwork
- Billboards and exhibition displays
- Large-area indoor lighting coves
- Custom-shaped decorative light panels

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
lumens	3,200 lm	pdf	high
cct_k	3,000 K	db	high
cri	80	pdf	high
beam_angle_deg	120°	pdf	high
led_chip_type	SMD2835	pdf	high
led_density	600 LEDs/m	db	high
led_lifetime_h	50,000 h	db	high
operating_voltage	24 V	pdf	high
wattage	43 W	pdf	high
current_draw	1.8 A	pdf	high
product_dimensions	500 * 24 cm	pdf	high
length	5 m	pdf	high
ip_rating	IP20	pdf	high
ambient_temp_c	-20-45 °C	pdf	high
operating_humidity	40-70% RH	pdf	high
warranty_years	3 y	pdf	high

Specifications subject to change without notice.