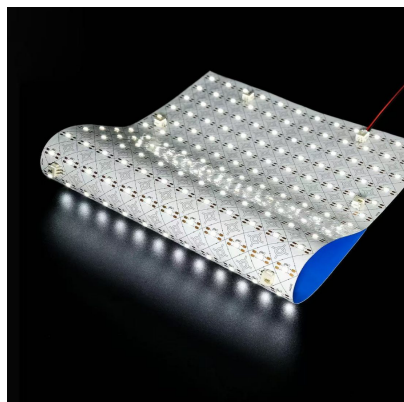




LED Panel Sheet, 43 W/m, 5000 K, 600 LEDs/m, 24 V DC, IP20, 5 m Cuttable Roll

- 600 SMD2835 LEDs per meter on a double-layer PCB
- 3200 lm/m at 5000 K with CRI 80 and 120-degree emitting angle
- 43 W/m at 1.8 A/m on a DC 24 V constant-voltage supply
- Cuttable along marked straight, stepped and diagonal routing lines
- 3M adhesive backing or screw fixing at marked positions
- UL marking on PCB, RoHS compliant, three-year warranty

OVERVIEW

The APOLO FLEX 180 LED panel sheet is a flexible 24 V DC lighting matrix supplied in 5 m rolls measuring 500 × 24 cm. The sheet can be cut along pre-marked straight, stepped or diagonal routing lines and shaped for backlit surfaces, bar and hospitality installations, billboards and large-area indoor lighting.

The SMD2835 matrix carries 600 LEDs per meter and draws 43 W/m at 1.8 A/m, producing 3200 lm/m at 5000 K with CRI 80 and a 120-degree emitting angle. Rated LED lifetime is 50,000 hours. The IP20 sheet operates from -20 °C to +45 °C at 40 to 70 percent RH, and mounts with 3M adhesive backing or screws at the marked positions. One connector feed supports up to 3 m of sheet; parallel connection to the supply is recommended to limit voltage drop.

Double-layer PCB construction with lead-free SMT assembly, UL marking on the PCB and RoHS compliance. Three-year warranty.

SPECIFICATIONS

OPTICAL

Luminous Flux	3,200 lm
Color Temperature	5,000 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
Material	Double-layer PCB
Mounting	3M adhesive tape or screw fixing

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
- Bar and hospitality interiors
- Billboards and exhibition displays
- Large-area indoor lighting
- Retail display cases

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
lumens	3,200 lm	pdf	high
cct_k	5,000 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
material	Double-layer PCB	pdf	high
mount_type	3M adhesive tape or screw fixing	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.