



Color Tunable LED Backlit Panel Light, 2x4 ft, 30-50 W, 5 CCT 3000-6000 K, 0-10V Dim, 120-277 V

- Field-selectable 5 CCT: 3000 K, 3500 K, 4000 K, 5000 K and 6000 K
- Field-adjustable wattage from 30 W to 50 W at up to 125 lm/W
- 0-10V dimming to off with power factor of 0.90 or greater
- Aluminum frame in white finish with optical PMMA lens
- SMD2835 LEDs rated above 50,000 hours, CRI above 80
- UL listed under file E534052 with a 5-year warranty

OVERVIEW

The LUMIPRO PB Series is a 2 ft x 4 ft backlit LED flat panel for general ambient lighting in offices, conference rooms, retail spaces, schools and healthcare corridors. The backlit construction omits the light guide plate and uses an optical PMMA lens for uniform distribution across a 120-degree beam angle. Recessed, surface mount and suspended installation are supported.

Field switches set five color temperatures at 3000 K, 3500 K, 4000 K, 5000 K and 6000 K, and five wattage steps from 30 W to 50 W, with efficacy up to 125 lm/W and CRI above 80. The flicker-free driver accepts 120-277 Vac, dims 0-10V to off and holds a power factor of 0.90 or greater. SMD2835 LEDs are rated for more than 50,000 hours in ambient temperatures from -20 to 45 degrees C.

UL listed under file E534052 and covered by a 5-year warranty.

SPECIFICATIONS

OPTICAL

Luminous Flux	110 lm
Efficacy	125 lm/W
Color Temperature	3,000K / 3,500K / 4,000K / 5,000K / 6,000K
Selectable CCT	Yes
CRI	80
Beam Angle	120°
LED Chip Type	SMD2835
LED Lifetime	50,000 h

MECHANICAL

Product Dimensions	47.8×11.9×1.5inches
Finish	White
Material	Aluminum
Mounting	Recessed, surface mount or suspended

COMPLIANCE

UL File Number	E534052
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ELECTRICAL

Operating Voltage	12 V
Wattage	5 W
Power Factor	0.9
Dimmer Type	0 - 10V
Driver	Flicker Free

ENVIRONMENTAL

Environmental Rating	Non-Waterproof
Ambient Operating Temperature	-20-45 °C -4-113 °F

ORDERING

Warranty	5 y
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DIMENSIONS & DIAGRAMS

- Frequency: 50/60Hz
- CRI: >80
- Dimmable: 0-10V Dimming(Dim to off)

Surface Mount
Suspended

Accessories



PIR Motion Sensor



8W/15W
Emergency drivers



Surface mount kit



Suspension kit

MOUNTING

CERTIFICATIONS & COMPLIANCE



UL Listed
E534052

APPLICATIONS

Open-plan offices and conference rooms

Retail and shopping mall sales floors

School classrooms and corridors

Healthcare patient rooms and hallways

Hotel lobbies and back-of-house areas

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
lumens	110 lm	pdf	high
efficacy_lm_per_w	125 lm/W	db	high
cct_k	3,000K / 3,500K / 4,000K / 5,000K / 6,000K	both	high
cct_selectable	Yes	db	high
cri	80	db	high
beam_angle_deg	120°	both	high
led_chip_type	SMD2835	db	high
led_lifetime_h	50,000 h	pdf	high
operating_voltage	12 V	pdf	high
wattage	5 W	pdf	high
power_factor	0.9	db	high
dimmer_type	0 - 10V	db	high
driver	Flicker Free	db	high
product_dimensions	47.8×11.9×1.5inches	db	high
finish	White	db	high
material	Aluminum	db	high
mount_type	Recessed, surface mount or suspended	pdf	high
environmental_rating	Non - Waterproof	db	high
ambient_temp_c	-20-45 °C	db	high
ul_file_number	E534052	db	high
warranty_years	5 y	db	high

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