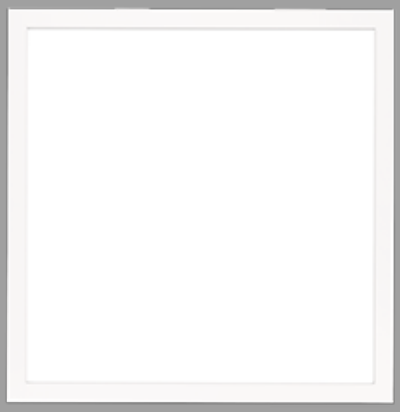
SMP2X2



Contemporary surface-mount fixtures with a slim design. Multiple sizes and form factors available, in both 80 and 90 CRI models. 120V and 120-277V offered.

Color: White

Weight: 7.0 lbs

Project:	**Type:**
Prepared By:	**Date:**

Driver Info

Type	Constant Current, Class 2
120V	0.42A
208V	0.27A
240V	0.24A
277V	0.21A
Input Watts	45W

LED Info

Watts	45W
Color Temp	2700K/3000K/3500K/4000K/5000K
Color Accuracy	90 CRI
L70 Lifespan	50,000 Hours
Lumens	4,950 lm
Efficacy	110

Technical Specifications

Performance

Product Type:
Surface & Flush Mounts

Description:
This surface panel downlight offers a sleek, modern look for any application. Offered in various unique form factors, 5 color temperatures to choose from, universal voltage (120-277V) and dimming options available.

Wattage Equivalency:
90W CFL

Input Wattage:
45W

L70 Lifespan:
50,000-Hour LED lifespan based on IES LM-70 results

Electrical

Driver:
Constant Current, Class 2, 60 Hz, 120V-277V, 120V: 0.42A, 208V: 0.27A; 240V: 0.24A; 277V: 0.21A

THD:
≤30%

Power Factor:
≥0.9

Dimmable:
Yes, dims down to 10% on compatible TRIAC/ELV system.
See Dimmer Compatibility List.

Input Voltage:
120-277V

Operating Frequency:
50/60Hz

Input Current @ 120V (mA):
420mA

Input Current @ 208V (mA):
270mA

Input Current @ 240V (mA):
235mA

Input Current @ 277V (mA):
205mA

Operating Temperature:
-4°F to 104°F (-20°C to 40°C)

Flicker:
≤30%

LED Characteristics

Color Temperature:
Field adjustable via dip switch
2700K/3000K/3500K/4000K/5000K

Color Accuracy (CRI):
≥90

R9 Value:
High color performance with R9 greater than or equal to 50

Color Consistency:
4-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

Color Stability:
LED color temperature is warrantied to shift no more than 200K in color temperature over a 5-year period

Color Uniformity:
RAB's range of Correlated Color Temperature follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

Installation

Mounting:
Surface Mount

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Technical Specifications (continued)

Construction

Size:
2'x2'

Shape:
Square

Finish:
White

Enclosure Material:
Metal

Trim Style:
Smooth

Lens:
Polycarbonate light diffuser distributes light evenly and smoothly for general lighting applications

Compliance

Listings:
UL Listed

Environment:
Suitable for use in indoor applications in dry and damp environments

IC Rated:
No

Air Tight:
No

T20 Compliant:
Can be used to conform with the requirements of California Title 20

California Title 24 JA8 Compliant:
Can be used to conform with the requirements of California Title 24 Part 6

California Energy Commission (CEC) Status:
Lawful for Sales in California

NEC Compliant:
Suitable for use in closets. Compliant with NEC Sec. 410.16 (A)(1) and 410.16 (C1).

IESNA LM-79 & LM-80 Testing:
RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

RoHS:
Mercury and UV free. RoHS-compliant components.

FCC:
Complies with Part 15B of the FCC Rules

Trade Agreements Act Compliant:
This product is a product of Cambodia and a "designated country" end product that complies with the Trade Agreements Act

Other

Warranty:
RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

Note:
All values are typical (tolerance +/- 10%)

Buy American Act Compliance:
RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

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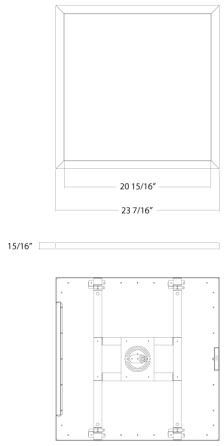
Dimensions



Features

- Select from 5 field-adjustable color temperatures 2700K, 3000K, 3500K, 4000K, or 5000K
- Suitable for indoor applications in dry and damp environments
- Dimmable, see Dimmer Compatibility List
- Meets California Title 24 requirements
- 50,000 life hours
- 5-Year, no compromise warranty

Ordering Matrix

Family	Size/Shape/Wattage	CRI/Color Temp	Voltage/Dimming	Finish
SMP	2X2			
	2X2 = 2' X 2' Square 45W **2X4 =** 2' X 4' Rectangle 55W	**Blank =** 90 CRI, 2700/3000/3500/4000/5000K CCT Adjustable	**Blank =** 120-277V, TRIAC/ELV	**Blank =** White

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