Edge-Lit Surface Mount Panel

1X4

1X1

1X2

2X2

2X4

PROJECT:

DATE:

TYPE:

PREPARED BY:

5 YEAR NO-COMPROMISE WARRANTY

DLC LISTED *

ENERGY STAR *

TITLE CA20 COMPLIANT *

2022 TITLE 24 PART 6 HIGH EFFICACY LED LIGHT SOURCE REQUIREMENTS

*Select models

Edge-Lit, Surface Mount Panel

UL LISTED | FIELD ADJUSTABLE | 90 CRI | 50,000 HOURS | DAMP RATED | DIMMABLE | 120-277V | FCC LISTED | RoHS

KEY 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)*
- Compatible with 3"/4" J-BOX installation
- Meets **California Title 24** requirements
- **50,000**-Hour lifespan
- **5-year, no-compromise warranty**

PERFORMANCE

Catalog#	Size	Equivalency	Lumens	Input Wattage	Efficacy	Color Temperature	CRI	L70 Lifespan	Energy Star ID	DLC ID
SMPFA1X1S20UNVTW	1'x1'	40W CFL	1,700 Lm	20W	85 Lm/W	Field-Adjustable dip switch 5000K/4000K/3500K/3000K/2700K	90+	50,000 hr	2396875	N/A
SMPFA1X2RT22UNVTW	1'x2'	45W CFL	1,900 Lm	22W	86 Lm/W				2396877	N/A
SMPFA1X4RT45UNVTW	1'x4'	90W CFL	4,050 Lm	45W	90 Lm/W				2396878	N/A
SMP2X2	2'x2'	90W CFL	4,950 Lm	45W	110 Lm/W				N/A	S-7N9JCA
SMP2X4	2'x4'	110W CFL	6,050 Lm	55W	110 Lm/W				N/A	S-BJQOXD

SMPFA1X1S20UNVTW	5000K	4000K	3500K	3000K	2700K
LUMENS	1,850	1,850	1,800	1,750	1,700
EFFICACY (LM/W)	93	93	90	88	85

SMP2x2	5000K	4000K	3500K	3000K	2700K
LUMENS	5,078	5,157	5,130	5,005	4,929
EFFICACY (LM/W)	113	115	115	110	110

SMPFA1X2RT22UNVTW	5000K	4000K	3500K	3000K	2700K
LUMENS	2,060	2,060	2,000	1,950	1,900
EFFICACY (LM/W)	94	94	91	89	86

SMP2x4	5000K	4000K	3500K	3000K	2700K
LUMENS	6,510	6,378	6,253	6,152	6,064
EFFICACY (LM/W)	118	116	114	111	110

SMPFA1X4RT45UNVTW	5000K	4000K	3500K	3000K	2700K
LUMENS	4,400	4,400	4,290	4,170	4,050
EFFICACY (LM/W)	98	98	95	93	90

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Edge-Lit Surface Mount Panel

TECHNICAL SPECIFICATIONS

CONSTRUCTION

Product Type
Surface & Flush Mounts

Housing Material
Metal

Size
1'x1', 1'x2', 1'x4', 2'x2', 2'x4'

Trim Style
Smooth

Finish
White

Shape
Square, Rectangle

Lens
Polycarbonate

Beam Angle
110°

COMPLIANCE

Safety Listing
UL Listed

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

IC Rated
No

Air Tight
No

Energy Star Compliant
Yes, select models of this product are ENERGY STAR Version 2.2 Certified.

DLC Listed
Yes. Select models are on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements.

T24 JA8 Compliant
Can be used to conform with the requirements of California Title 24 Part 6.

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

SMP: Not compliant

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 & LM80 Testing
RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

FCC
Complies with Part 15 of the FCC Rules.

RoHS
Mercury and UV free. RoHS-compliant components.

INSTALLATION

Mounting
Surface Mount

ELECTRICAL

Dimming
Yes, TRIAC/ELV dims down to 10%. *(See Dimmer Compatibility List)*

THD
≤30%

Power Factor
≥0.9

Input Voltage
120-277V

Flicker
≤30

Operating Frequency
50/60Hz

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

LED CHARACTERISTICS

Color Temperature
Field-Adjustable dip switch 2700/3000/3500/4000/5000K

Color Accuracy (CRI)
>90 CRI

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.

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.

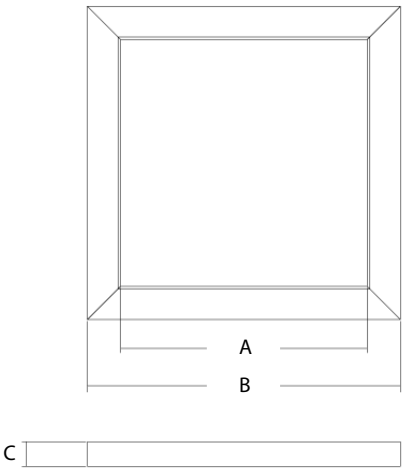
Note
All values are typical (tolerance +/- 10%)

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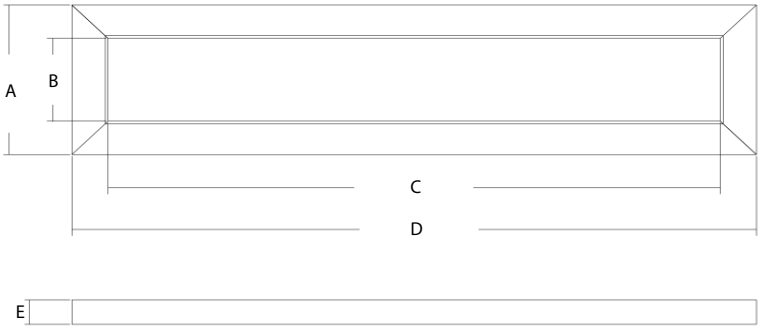
DIMENSIONS

1'x1' and 2'x2'



Square Panels	Weight	A	B	C
SMPFA1X1S20UNVTW	1.97 lbs	9 1/8"	11 5/8"	15/16"
SMP2X2	7.05 lbs	20 15/16"	23 7/16"	15/16"

1'x2', 1'x4', and 2'x4'



Rectangular Panels	Weight	A	B	C	D	E
SMPFA1X2RT22UNVTW	4.22 lbs	11 5/8"	9 1/8"	20 15/16"	23 7/16"	15/16"
SMPFA1X4RT45UNVTW	8.86 lbs	11 5/8"	9 1/8"	44 3/4"	47 1/4"	15/16"
SMP2x4	14 lbs	23 7/16"	20 15/16"	44 3/4"	47 1/4"	15/16"

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ORDERING INFO

Catalog Number	Model Number	UPC	Case Pack
SMPFA1X1S20UNVTW	DLS0162(SMPFA1X1S20UNVTW)	192552018678	1
SMPFA1X2RT22UNVTW	DLS0164(SMPFA1X2RT22UNVTW)	192552018692	1
SMPFA1X4RT45UNVTW	DLS0165(SMPFA1x4RT45UNVTW)	192552018708	1
SMP2X2	DLS0173(SMP2X2)	192552028837	1
SMP2X4	DLS0172(SMP2X4)	192552028820	1

ORDERING MATRIX

SURFACE MOUNT PANEL

Family	Size/Shape	Wattage	CRI/Color Temp	Voltage/Dimming	Finish
SMPFA				UNVT	W
	1x1S 1'X1', Square	**20** 20W (1x1)	**Blank** 90CRI, 2700/3000/3500/4000/5000K Field-Adjustable	**UNVT** 120-277V, TRIAC/ELV	**W** White
	1x2RT 1'X2', Rectangle	**22** 22W (1x2)			
	1x4RT 1'X4', Rectangle	**45** 45W (1x4)			

Family	Size/Shape	CRI/Color Temp	Voltage/Dimming	Finish
SMP				
	2x2 2'X2', Square, 45W	**Blank** 90CRI, 2700/3000/3500/4000/5000K Field-Adjustable	**Blank** 120-277V, TRIAC/ELV	**Blank** White
	2x4 2'X4', Rectangle, 55W			