

· TYPE _____ · DATE _____ · PROJECT _____

SAG

Sage — Back-Lit LED Flat Panel · Lumen & Kelvin Selectable

Back-Lit LED Flat Panel

1x4, 2x2, 2x4 · 2,600–5,000 lm · 3500 / 4000 / 5000 K · Sage Relay option

SUGGESTED SPECIFICATION

Install Sage back-lit LED flat panels, 1x4, 2x2 or 2x4, with an aluminum frame, a steel housing backplate and PMMA LED lenses, for new construction or retrofit, recessed in grid ceilings on the standard earthquake clips or suspended on the attached hanging brackets, with surface, flange and cable mounting kits available. Luminaires shall deliver 2,600 to 4,000 (1x4), 2,700 to 4,000 (2x2) or 3,300 to 5,000 (2x4) nominal lumens, selectable, in field selectable 3500 K, 4000 K or 5000 K, CRI above 80, with long-life LEDs rated 144,000 hours to L70 and 44,000 hours to L90 (IES TM-21-11 calculated). Drivers shall accept universal 120 to 277 VAC, 50 to 60 Hz, with 0 to 10 VDC dimming standard, power factor above 0.90, total harmonic distortion below 20 percent, flicker-free operation per IEEE 1789-2015 and 1 kV surge immunity. Where emergency operation is specified, the luminaire shall carry the factory-installed Sage Relay, a UL Listed emergency lighting control for connection to the Sage central battery system. Luminaires shall be cULus listed for damp locations and insulated ceilings (Type IC), comply with FCC Part 15 class B, and carry a five-year warranty.

ELECTRICAL SPECIFICATIONS

Universal 120–277 VAC, 50–60 Hz; 0–10 VDC dimming drivers standard; power factor above 0.90; THD below 20 percent; 1 kV surge immunity; -20 to 40 °C ambient. Input current at 120 V (4000 K): 1x4 0.16 to 0.28 A, 2x2 0.16 to 0.27 A, 2x4 0.19 to 0.31 A from the low to the high setting. Sage Relay option (RLY): factory-installed emergency lighting control for the Sage central battery; see the Sage Relay documents.

LUMEN TABLE — LUMENS · WATTS BY SETTING & CCT

Size	Setting	3500 K	4000 K	5000 K
1x4	Low	2,584 · 20 W	2,729 · 19 W	2,656 · 20 W
1x4	Mid	3,425 · 28 W	3,713 · 27 W	3,531 · 28 W
1x4	High	4,085 · 35 W	4,342 · 33 W	4,218 · 34 W
2x2	Low	2,733 · 20 W	2,802 · 19 W	2,810 · 20 W
2x2	Mid	3,632 · 28 W	3,810 · 27 W	3,743 · 28 W
2x2	High	4,072 · 32 W	4,290 · 32 W	4,179 · 32 W
2x4	Low	3,284 · 24 W	3,323 · 23 W	3,389 · 24 W
2x4	Mid	4,448 · 33 W	4,576 · 32 W	4,538 · 33 W
2x4	High	5,015 · 38 W	5,247 · 37 W	5,157 · 38 W

Efficacy 117 to 148 lm/W as published; photometrics at 5000 K and the highest setting: 1x4 4,218 lm at 34 W, 2x2 4,179 lm at 32 W, 2x4 5,157 lm at 38 W.

PRODUCT DATA · INPUT

AC Input	120–277 VAC · 50–60 Hz
Dimming	0–10 VDC standard · wall dimmer switch option (DWS)
Output	2,600–5,000 lm nominal · tri-lumen selectable per size
CCT / CRI	3500 / 4000 / 5000 K selectable · CRI > 80
LED life	L70 144,000 h · L90 44,000 h
Mounting	grid ceiling with earthquake clips · suspended on hanging brackets · surface, flange or cable kits
Emergency	RLY = Sage Relay, central battery

FEATURES

- Back-lit LED flat panel, 1x4, 2x2 or 2x4; aluminum frame, steel housing backplate, PMMA LED lenses
- Selectable output, 2,600 to 5,000 nominal lumens; 3500 K, 4000 K or 5000 K selectable; CRI above 80
- Long-life LEDs, 144,000 h to L70 and 44,000 h to L90; flicker-free per IEEE 1789-2015
- Universal 120–277 VAC with 0–10 VDC dimming standard; PF above 0.90; THD below 20 percent; 1 kV surge immunity
- Standard earthquake clips for grid ceilings; hanging brackets for suspended mounting; surface, flange and cable mounting kits available
- Sage Relay option (RLY), factory installed, for emergency operation on the Sage central battery; cULus damp and Type IC; FCC Part 15 class B

TEMPERATURE

Operating Temperature

-20 to 40 °C ambient

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ORDERING INFORMATION

Size	1x4 · 2x2 · 2x4
Nominal Lumens, selectable	SL = 2,600 / 3,400 / 4,000 lm (1x4) · 2,700 / 3,600 / 4,000 lm (2x2) · 3,300 / 4,500 / 5,000 lm (2x4)
Color Temperature, selectable	SK = 3500 / 4000 / 5000 K
Voltage	MV = 120–277 VAC
Options	RLY = Sage Relay, emergency lighting control for the Sage central battery · DWS = 0–10 V wall dimmer switch (toggle, decora or button)
Accessories (order separately)	surface mounting kit · flange mounting kit for plaster or hard ceilings · cable mounting kit

Ordering Example: SAG-2X2-SL-SK-MV-RLY

UL CONDITIONS OF ACCEPTABILITY

cULus listed for damp locations and insulated ceilings (Type IC), -20 to 40 °C. Complies with FCC Part 15, class B; flicker-free per IEEE 1789-2015; surge immunity 1 kV.

NOTE: Compatible 0–10 V dimmers include Best Lighting DWS-010V-T and DWS-010V-D, Leviton IP710-LFZ and Lutron DVSTV (10 to 100 percent).

NOTE: Five-year total customer satisfaction warranty.

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