

TYPE _____ · DATE _____ · PROJECT _____

WIL

Sage Willow — High Lumen Back-Lit LED Flat Panel · Lumen and Kelvin Field Selectable 2x4 Back-Lit LED Flat Panel · Lumen and Kelvin Field Selectable 2x4 · Selectable 4,000–9,000 lm · 5-CCT · Sage Relay option

SUGGESTED SPECIFICATION

Install Sage Willow Series 2x4 back-lit LED flat panel luminaires with field-selectable light output and color temperature, in aluminum frames with steel housing backplates and PMMA (polymethyl methacrylate) LED lenses, 1.42" panel depth. Fixtures shall operate on universal 120–277 VAC (50–60 Hz) with 0–10 VDC dimming drivers standard, deliver five selectable lumen settings from 4,000 to 9,000 nominal lumens with five selectable color temperatures (3000 / 3500 / 4000 / 5000 / 6500 K, CRI > 80), power factor > 0.90, THD < 20%, and provide L70 rated life of 169,000 hours (IES TM-21-11 calculated). Fixtures shall mount recessed in grid ceilings (standard earthquake clips) or suspended via the attached hanging brackets, in new construction or retrofit, with optional surface-mount, flange-mount (plaster or other hard ceilings), and cable-mount kits. For code-compliant emergency egress lighting, fixtures shall be furnished with the factory-installed, UL Listed Sage Relay (SR6) for connection to a Sage low-voltage central-battery DC emergency power system — emergency power rating factory-adjustable 5–15 W, delivering an adjustable 650–1,950 emergency lumens (nominal at 5000 K) — or with an optional emergency driver (EM). cULus listed for damp locations and insulated ceilings (Type IC-rated); DLC Premium; flicker-free per IEEE 1789-2015; FCC Part 15 Class B; 1.0 kV surge protection.

ELECTRICAL SPECIFICATIONS

Universal 120–277 VAC, 50–60 Hz (input 0.23–0.59 A @ 120 V · 0.12–0.30 A @ 240 V · 0.10–0.26 A @ 277 V across the 30–72 W settings; PF > 0.90; THD < 20%; 1.0 kV surge immunity), with 0–10 VDC dimming drivers standard. Field-selectable output: five lumen settings, 4,000–9,000 lm nominal (measured 3,995–9,127 lm at 27.7–71 W), and five CCTs (3000 / 3500 / 4000 / 5000 / 6500 K), CRI > 80. Emergency options: the factory-installed Sage Relay (SR6 — UL Listed emergency lighting control on the Sage central battery's DC emergency power system; EPR factory-adjustable 5–15 W, 650–1,950 emergency lumens nominal at 5000 K), or the EM emergency driver. L70 169,000 h · L90 51,000 h (IES TM-21-11). cULus damp location; Type IC-rated; –20 to 40 °C.

SELECTABLE OUTPUT — LUMENS BY POWER SETTING & CCT

Setting	3000 K	3500 K	4000 K	5000 K	6500 K
30 W	4,035	4,068	4,091	4,051	3,995
40 W	5,316	5,509	5,520	5,453	5,348
50 W	6,438	6,650	6,709	6,624	6,465
60 W	7,512	7,813	7,908	7,783	7,555
72 W	8,630	9,016	9,127	8,948	8,736

Measured values per the published lumen tables; measured input watts run 27.7–71 W, varying slightly by CCT. Nominal selectable settings: 4,000 / 5,000 / 6,000 / 8,000 / 9,000 lm. Nominal values — see the electrical data for specific values.

Emergency output (SR6): adjustable through the 5–15 W EPR range — 650–1,950 emergency lumens, nominal at 5000 K mid-lumen-range efficacy (Lumens = EPR watts × luminaire efficacy lm/W). For maximum efficiency, the EPR should be set at the minimum level for compliance with NFPA Life Safety Code, based on photometric data for the fixture when installed (factory-adjustable).

PRODUCT DATA · INPUT

AC Input 120 – 277 VAC, 50–60 Hz
Input Current 0.23–0.59 A @ 120 V · 0.12–0.30 A @ 240 V · 0.10–0.26 A @ 277 V
Output selectable 4,000 – 9,000 lm nominal · 30–72 W settings
Emergency Sage Relay SR6 (EPR 5–15 W · DC central battery) · or EM driver
Emergency Output 650 – 1,950 lm, nominal at 5000 K, across the EPR range
CCT / CRI 3000 / 3500 / 4000 / 5000 / 6500 K · CRI > 80
Dimming 0–10 VDC drivers, standard
Power Factor / THD > 0.90 · < 20%
LED Life L70 169,000 h · L90 51,000 h (IES TM-21-11)
Surge Immunity 1.0 kV

FEATURES

- Factory-installed Sage Relay option (SR6) — code-compliant emergency egress from the Sage central battery (DC); EPR factory-adjustable 5–15 W
- Field-selectable lumen output — five settings, 4,000–9,000 lm nominal — and five-CCT color temperature, 3000 / 3500 / 4000 / 5000 / 6500 K
- Universal 120–277 VAC (50–60 Hz) standard; 0–10 VDC dimming drivers standard
- Aluminum frame and steel housing backplate; PMMA LED lenses for optimal light distribution, efficiency and longevity
- Recessed in grid ceilings — standard earthquake clips — or suspended via the attached hanging brackets; easy installation in new construction or retrofit
- Long-life LEDs: L70 169,000 h · L90 51,000 h (IES TM-21-11); IC-rated for insulated ceilings; cULus damp location; DLC Premium

TEMPERATURE

Ambient Temperature –20 to 40 °C (–4 to 104 °F)

“Engineered for the spaces it protects.”

WIL

Sage Willow — High Lumen Back-Lit LED Flat Panel · Lumen and Kelvin Field Selectable 2x4 Selectable 4,000–9,000 lm · 5-CCT · Sage Relay option

Back-Lit LED Flat Panel

ORDERING INFORMATION

Size	2X4 = 2x4 panel
Selectable	SL = selectable lumens — 4,000 / 5,000 / 6,000 / 8,000 / 9,000 lm nominal · SK = selectable CCT — 3000 / 3500 / 4000 / 5000 / 6500 K
Voltage	MV = 120–277 VAC
Relay	SR6 = Sage Relay emergency lighting control — DC central-battery connection; EPR factory-adjustable 5–15 W
Options	EM = emergency driver · DWS = dimmer wall switch (order separately — see accessories)

Ordering Example: WIL-2X4-SLSK-MV-EM

UL CONDITIONS OF ACCEPTABILITY

cULus listed for damp locations and insulated ceilings (Type IC-rated); suitable for ambient temperatures from -20 to 40 °C (-4 to 104 °F). DLC Premium approved; complies with FCC Part 15, Class B; flicker-free per IEEE 1789-2015 (no observable adverse effects of flicker at 100% light output level); surge immunity protection 1.0 kV. The Sage Relay option (SR6) is a factory-installed, UL Listed emergency lighting control for connection to a Sage low-voltage central-battery DC emergency power system.

NOTE: Photometrics at 3000 K, highest lumen setting: 68 W input · 123 lm/W · 8,440 total lumens · spacing criterion 1.28 (0–180°) / 1.28 (90–270°).

NOTE: Accessories (order separately): SMKT-24 surface mount kit (3.7" frame, mounts below the ceiling) · FLANGEKIT24-ET recessed flange mount kit (1.5" flange, plaster /hard ceilings) · cable mount kit · junction box extender · 0–10 V dimmer wall switches DWS-010-T (toggle) /DWS-010-D (decora) /IP710-DLZ (button).

NOTE: Contact factory for other color temperatures and lumen packages.

NOTE: 5 year total customer satisfaction warranty. Contact Sage for layout assistance — code-compliant emergency lighting layouts provided.

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