

TYPE \_\_\_\_\_ · DATE \_\_\_\_\_ · PROJECT \_\_\_\_\_

# REE

Sage Reed — LED Strip Light · Lumen & Kelvin Selectable

## LED Strip Light

4 FT & 8 FT · selectable lumens & CCT · Sage Relay option

### SUGGESTED SPECIFICATION

Install Sage Reed LED strip-light fixtures with field-selectable lumen output and color temperature, in 4 FT and 8 FT lengths, with steel housings and PMMA lenses, for easy installation in new construction or retrofit. Fixtures shall operate on universal 120–277 VAC (50–60 Hz) with 0–10 VDC dimming drivers standard, delivering 3,700–5,200 nominal lumens at 138–152 lm/W (4 FT, size 5L — selectable 3,000 / 4,000 / 5,000 lm nominal) or 7,100–10,100 nominal lumens at 132–149 lm/W (8 FT, size 10L — selectable 7,000 / 8,000 / 10,000 lm nominal), with field-selectable color temperature (3500 / 4000 / 5000 K, CRI > 80) and long-life LEDs rated 196,000 hours L70 (IES TM-21-11). For code-compliant emergency egress lighting, fixtures shall be furnished with the factory-installed, UL Listed Sage Relay (SR3 / SR7) for connection to a Sage low-voltage central-battery DC emergency power system — emergency power rating factory-adjustable from 10 W minimum (1,627 emergency lumens) to 40 W maximum (6,300 emergency lumens); internal 5 / 10 / 13 W emergency drivers and occupancy sensors (passive infrared or microwave) are optional. cULus listed for damp locations; DLC Premium; 1.0 kV surge protection.

### ELECTRICAL SPECIFICATIONS

AC and DC operation: normal lighting on universal 120–277 VAC, 50–60 Hz (4FT input 0.21–0.29 A @ 120 V · 0.10–0.15 A @ 240 V · 0.09–0.13 A @ 277 V; 8FT input 0.46–0.58 A @ 120 V · 0.23–0.29 A @ 240 V · 0.20–0.25 A @ 277 V; PF > 0.90; THD < 20%; 1.0 kV input transient surge protection), with 0–10 VDC dimming drivers standard. Emergency options: the factory-installed Sage Relay (SR3 = 10 W minimum EPR · SR7 = 40 W maximum EPR, factory-adjustable, on the Sage central battery, DC — adjustable 1,627–6,300 emergency lumens through the EPR range), or internal EM5 / EM10 / EM13 emergency drivers (5.0 W / 760 lm · 10.7 W / 1,627 lm · 13.7 W / 2,083 lm; ambient above 10 °C). L70 196,000 h · L90 60,000 h (IES TM-21-11). cULus damp location; –20 to 50 °C.

### SELECTABLE OUTPUT — LUMENS BY RANGE & CCT

Size	Range	3500 K	4000 K	5000 K
4FT-5L	Low	3,690	3,631	3,722
4FT-5L	Mid	4,336	4,317	4,389
4FT-5L	High	4,876	5,203	4,908
8FT-10L	Low	7,251	7,135	7,314
8FT-10L	Mid	8,520	8,483	8,624
8FT-10L	High	9,553	10,124	9,619

Measured values per the published electrical-data tables; input watts by range and CCT: 25–26 W (Low) · 30–31 W (Mid) · 34–35 W (High) for 4FT, and 55 W · 60 W · 68–70 W for 8FT. Nominal selectable values: 3,000 / 4,000 / 5,000 lm (4FT, 5L) · 7,000 / 8,000 / 10,000 lm (8FT, 10L).

Emergency output (Sage Relay): adjustable through the 10–40 W EPR range — 1,627 EM lumens at the 10 W minimum (SR3) · 6,300 EM lumens at the 40 W maximum (SR7), calculated at 4000 K mid-lumen-range efficacy (Lumens = EPR watts × luminaire efficacy lm/W); set the EPR at the minimum level for NFPA Life Safety Code compliance based on the fixture's installed photometrics. EM5 / EM10 / EM13 internal drivers: 5.0 W / 760 lm · 10.7 W / 1,627 lm · 13.7 W / 2,083 lm.

### PRODUCT DATA · INPUT

<b>AC Input</b>	120 – 277 VAC, 50–60 Hz
<b>Input (4FT)</b>	0.21–0.29 A @ 120 V · 0.09–0.13 A @ 277 V
<b>Input (8FT)</b>	0.46–0.58 A @ 120 V · 0.20–0.25 A @ 277 V
<b>Emergency</b>	Sage Relay SR3 / SR7 · EPR 10–40 W (central-battery DC)
<b>Output (4FT)</b>	3,700 – 5,200 lm nominal · 138–152 lm/W
<b>Output (8FT)</b>	7,100 – 10,100 lm nominal · 132–149 lm/W
<b>CCT / CRI</b>	3500 / 4000 / 5000 K · CRI > 80
<b>Dimming</b>	0–10 VDC drivers, standard
<b>LED Life</b>	L70 196,000 h · L90 60,000 h

### FEATURES

- Field-selectable lumen output and color temperature — 3500 K (warm/neutral white) · 4000 K (neutral white) · 5000 K (cool white)
- Factory-installed, UL Listed Sage Relay option (SR3 / SR7) — adjustable emergency lighting powered from a Sage low-voltage central-battery DC system
- Long-life LEDs — 196,000 h L70 · 60,000 h L90 (IES TM-21-11); chromaticity < 4-step ANSI quadrangles, color maintenance < 0.002 Δu'v' over the initial 6,000 hours
- Steel housing and PMMA lens — easy installation in new construction or retrofit
- Optional internal emergency drivers (EM5 / EM10 / EM13) and occupancy sensors (passive infrared or microwave)
- 0–10 VDC dimming standard; PF > 0.90 · THD < 20% · 1.0 kV input transient surge protection

### TEMPERATURE

**Operating Temperature** –20 to 50 °C (–4 to 122 °F)  
**EM Drivers (EM5/EM10/EM13)** suitable above 10 °C (50 °F)

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**ORDERING INFORMATION**

<b>Length</b>	4 = 4 FT · 8 = 8 FT
<b>Size</b>	5L (4 FT) · 10L (8 FT)
<b>Selectable</b>	SL = nominal lumens — 3,000 / 4,000 / 5,000 (5L) · 7,000 / 8,000 / 10,000 (10L) — SK = CCT 3500 / 4000 / 5000 K (print concatenated: SLSK)
<b>Occupancy Sensor</b>	OS = passive infrared · ODS = microwave · blank = no occupancy sensor
<b>Options</b>	SR3 = Sage Relay, 10 W minimum EPR · SR7 = Sage Relay, 40 W maximum EPR — central-battery emergency · EM5 = 5 W emergency driver · EM10 = 10 W emergency driver · EM13 = 13 W emergency driver

*Ordering Example: REE-4-5L-SLSK-OS-EM13*

**UL CONDITIONS OF ACCEPTABILITY**

cULus listed for damp locations; DLC Premium; complies with FCC Part 15, Class A, and IEEE C.62.41-1991 Class A input transient surge protection (1.0 kV). The Sage Relay option (SR3 / SR7) is a factory-installed, UL Listed emergency lighting control for connection to a Sage central-battery DC emergency power system — emergency lumens are adjustable through the factory-set EPR range, set at the minimum level for compliance with NFPA Life Safety Code based on photometric data for the fixture when installed.

*NOTE: Photometrics (published configuration: 4FT-5L at 5000 K, High range): 4,908 total lumens · 35 W · 139 lm/W; spacing criterion 1.24 (0–180°) · 1.36 (90–270°).*

*NOTE: Accessories — remote-mount emergency drivers: BLEM-CP-5C (EM5) · BLEM-CP-10C (EM10) · BLEM-CP-13C (EM13); wire-guard kit, 4 FT fixtures only — contact Sage.*

*NOTE: Compatible 0–10 V dimmers (10–100% range): Best Lighting DWS-010V-T / DWS-010V-D (600 W) · Leviton IP710-LFZ (1,200 W) · Lutron DVSTV (450 W).*

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

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