

TYPE _____ · DATE _____ · PROJECT _____

HAW

Sage Hawthorne — Premium Lensed Strip Light

Premium Lensed Strip Light

4 ft / 8 ft · 5,000 / 10,000 lm nominal · Sage Relay option

SUGGESTED SPECIFICATION

Install Sage Hawthorne surface-mounted lensed LED strip-light fixtures — direct replacements for fluorescent strips — in steel housings with PMMA lenses, 4 ft (5,000 lm nominal) or 8 ft (10,000 lm nominal). Fixtures shall operate on universal 120–277 VAC (50–60 Hz) with 0–10 VDC dimming standard (power factor > 0.90, THD < 20%), deliver field-selectable color temperature (3500 / 4000 / 5000 K, CRI > 80), and provide 196,000 hours L70 · 60,000 hours L90 LED life (IES TM-21-11). For code-compliant emergency egress lighting, fixtures shall be furnished with the factory-installed, UL Listed Sage Relay (SR2) for connection to a Sage low-voltage central-battery DC emergency power system — emergency power rating factory-adjustable 10–20 W, delivering an adjustable 1,430–2,860 emergency lumens (4 ft) or 1,410–2,820 emergency lumens (8 ft), calculated at 4000 K mid-lumen-range efficacy. ULus approved for damp locations, –20 to 50 °C; easy installation in new construction or retrofit.

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%; published efficacy 138–152 lm/W 4FT · 130–149 lm/W 8FT), with 0–10 VDC dimming standard. Emergency options: the factory-installed, UL Listed Sage Relay (SR2 — EPR factory-adjustable 10–20 W on the Sage central battery, DC; 1,430–2,860 EM lm 4FT · 1,410–2,820 EM lm 8FT at 4000 K mid-range efficacy), an internal emergency driver, or a remote-mount emergency driver (accessory). L70 196,000 h · L90 60,000 h (IES TM-21-11). ULus damp location; –20 to 50 °C.

ELECTRICAL DATA — LUMENS BY RANGE & CCT

Length	Range	3500 K	4000 K	5000 K	Watts
4FT	Low	3,690	3,631	3,722	25–26
4FT	Mid	4,336	4,317	4,389	30–31
4FT	High	4,876	5,203	4,908	34–35
8FT	Low	7,251	7,135	7,314	55
8FT	Mid	8,520	8,483	8,624	60
8FT	High	9,553	10,124	9,619	68–70

Per the published electrical-data tables; Low / Mid / High are the published electrical-data ranges (input watts vary slightly by CCT — the Watts column shows the printed span). Ordering lumen codes are nominal: 5L = 5,000 lm (4FT) · 10L = 10,000 lm (8FT) — see the electrical data for specific values. Emergency output (SR2): adjustable through the 10–20 W EPR range — 1,430–2,860 lm (4FT) · 1,410–2,820 lm (8FT), calculated at 4000 K mid-lumen-range efficacy (Lumens = EPR watts × luminaire efficacy lm/W); set the EPR at the minimum level for compliance with the NFPA Life Safety Code, based on photometric data for the fixture when installed.

PRODUCT DATA · INPUT

AC Input	120 – 277 VAC, 50–60 Hz
Input (4FT)	0.21–0.29 A @ 120 V · 0.09–0.13 A @ 277 V
Input (8FT)	0.46–0.58 A @ 120 V · 0.20–0.25 A @ 277 V
Emergency	Sage Relay SR2 · EPR 10–20 W (central battery, DC)
Output (4FT)	3,631 – 5,203 lm · 25–35 W
Output (8FT)	7,135 – 10,124 lm · 55–70 W
CCT / CRI	3500 / 4000 / 5000 K · CRI > 80
Dimming	0–10 VDC, standard
LED Life	L70 196,000 h · L90 60,000 h

FEATURES

- Surface-mounted lensed strip light — a direct replacement for fluorescent strips; easy installation in new construction or retrofit
- Optional factory-installed, UL Listed Sage Relay (SR2) — code-compliant emergency egress from the Sage central battery (DC); EPR factory-adjustable 10–20 W
- Field-selectable color temperature — 3500 K (warm/neutral white) / 4000 K (neutral white) / 5000 K (cool white); CRI > 80
- Universal 120–277 VAC (50–60 Hz) with 0–10 VDC dimming standard; PF > 0.90 · THD < 20%
- Long-life LEDs — 196,000 h L70 · 60,000 h L90 (IES TM-21-11)
- Steel housing and PMMA lens — ULus damp location, –20 to 50 °C; optional occupancy sensor and wire guard

TEMPERATURE

Ambient Temperature	–20 to 50 °C (–4 to 122 °F)
EM Drivers, Minimum	above 10 °C (50 °F)

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ORDERING INFORMATION

Length	4FT = 4 ft · 8FT = 8 ft
Lumens	5L = 5,000 lm nominal (4FT) · 10L = 10,000 lm nominal (8FT)
Selectable	SLSK = field-selectable CCT — 3500 K / 4000 K / 5000 K
Voltage	MV = 120/277 VAC
Occupancy Sensor	OS = passive infrared (on/off) · ODS = microwave (on/off, step-dimming, daylight threshold) · blank = no sensor
Options	SR2 = Sage Relay emergency lighting control — DC central-battery connection, EPR factory-adjustable 10–20 W · WG = wire guard

Ordering Example: HAW-4FT-5L-SLSK-MV-SR2-WG

UL CONDITIONS OF ACCEPTABILITY

ULus approved for damp locations in ambient temperatures from –20 to 50 °C (–4 to 122 °F); complies with FCC Part 15, Class A; low risk of flicker per IEEE 1789-2015 at 100% light output; complies with IEEE C.62.41-1991, Class A input transient surge protection (2.0 kV); RoHS compliant. The Sage Relay option (SR2) is a factory-installed, UL Listed emergency lighting control for connection to a Sage central-battery DC emergency power system.

NOTE: Photometric data as published (4 ft · 5L · 5000 K): 4,908 total lumens · 35 W input · 139 lm/W; spacing criterion 1.24 (0–180°) · 1.36 (90–270°).

Photometry is published for the 4 ft size only.

NOTE: Occupancy sensors (factory-installed options): OS = passive infrared, on/off only · ODS = microwave — on/off, step-dimming, daylight threshold (defaults: detection area 100%, hold time 5 s, stand-by period 0 s, stand-by dimming level 10%, daylight threshold disabled). Remote control HD03R optional, not required. Contact factory for other sensors.

NOTE: Remote-mount emergency drivers (order separately): BLEM-CP-5C · BLEM-CP-10C · BLEM-CP-13C — suitable for ambient temperatures above 10 °C (50 °F). Wire-guard kit: 4 ft only. Contact factory for other color temperatures and lumen packages.

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