

· TYPE _____ · DATE _____ · PROJECT _____

LAU

Sage Laurel — Linear High Bay · Sensor Ready, Lumen & Kelvin Selectable Four sizes · 12,000–60,000 lm · 4000 / 5000 K · 120–277 VAC · 0–10 V

Linear High Bay, Sensor Ready

SUGGESTED SPECIFICATION

Install Sage Laurel linear LED high bay luminaires in a stamped, painted steel housing with polycarbonate lenses, sensor ready with a screw-in receptacle, with a medium distribution lens standard and narrow or wide distribution lenses optional. Luminaires shall deliver 18,000 / 15,000 / 12,000, 24,000 / 18,000 / 15,000, 36,000 / 30,000 / 24,000 or 60,000 / 48,000 / 36,000 nominal lumens, selectable, in field selectable 4000 K or 5000 K, CRI above 80, with long-life LEDs rated 134,000 hours to L70 and 40,000 hours to L90 (IES TM-21-11 calculated). Drivers shall accept universal 120 to 277 VAC, 50 to 60 Hz (347 to 480 V through step-down transformers where specified), with 0 to 10 VDC dimming standard, power factor above 0.90, total harmonic distortion below 20 percent and 6 kV input transient surge protection. A chain-mount kit with V-hooks and a 1 m chain shall ship standard; pendant, surface and cable mounting kits and wire guards shall be available. Where emergency operation is specified, the Sage Relay high-bay variant shall be installed with the luminaire and connected to the Sage central battery system. Luminaires shall be cULus listed for damp locations from -40 to 50 °C, comply with FCC Part 15 class A, and carry a five-year warranty.

ELECTRICAL SPECIFICATIONS

Universal 120–277 VAC, 50–60 Hz; UNC = 347–480 V through step-down transformers; 0–10 VDC dimming drivers standard; power factor above 0.90; THD below 20 percent; 6 kV input transient surge protection. Input current at the highest setting, 4000 K: 1.00 A (181512L), 1.32 A (241815L), 1.98 A (363024L) and 3.37 A (604836L) at 120 V; 0.43, 0.57, 0.86 and 1.46 A at 277 V. Emergency operation: the Sage Relay high-bay variant (RLY-4) installed with the luminaire on the Sage central battery; see the Sage Relay documents.

SELECTABLE OUTPUT — LUMENS (INPUT WATTS) BY SETTING & CCT

Size	Setting	4000 K — lm (W)	5000 K — lm (W)
181512L	Low	12,007 (76)	12,307 (77)
181512L	Mid	14,555 (96)	15,071 (98)
181512L	High	18,085 (120)	18,421 (123)
241815L	Low	15,021 (94)	15,557 (96)
241815L	Mid	18,017 (115)	18,477 (117)
241815L	High	24,047 (158)	24,241 (158)
363024L	Low	24,049 (152)	24,854 (155)
363024L	Mid	30,037 (193)	30,299 (197)
363024L	High	35,517 (237)	36,076 (242)
604836L	Low	37,049 (236)	38,465 (241)
604836L	Mid	48,182 (312)	49,009 (317)
604836L	High	60,104 (404)	61,319 (412)

Input current at 120 / 240 / 277 V ranges from 0.63 / 0.32 / 0.27 A (181512L, low) to 3.43 / 1.72 / 1.49 A (604836L, high). Photometrics at the highest setting: 18,423 lm at 123 W (181512L), 24,269 lm at 158 W (241815L), 36,087 lm at 242 W (363024L) and 61,323 lm at 412 W (604836L).

“Engineered for the spaces it protects.”

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PRODUCT DATA · INPUT

AC Input	120–277 VAC, 50–60 Hz · UNC = 347–480 V (step-down)
Dimming	0–10 VDC standard
Output	12,000–60,000 lm nominal · tri-lumen selectable per size
CCT / CRI	4000 / 5000 K selectable · CRI > 80
LED life	L70 134,000 h · L90 40,000 h
Lens	medium standard · narrow (ND) · wide (WD)
Emergency	Sage Relay high-bay variant with the luminaire

FEATURES

- Linear high bay, sensor ready with a screw-in receptacle; stamped, painted steel housing with polycarbonate lenses; wire guards available
- Tri-lumen selectable, 12,000 to 60,000 nominal lumens in four sizes; 4000 K or 5000 K selectable; CRI above 80
- Medium distribution standard; narrow (ND) and wide (WD) distribution lenses optional
- Universal 120–277 VAC with 0–10 VDC dimming standard; 347–480 V option (UNC); PF above 0.90; THD below 20 percent; 6 kV surge protection
- Chain-mount kit standard (V-hooks, 1 m chain); pendant, surface and cable mount kits available
- Emergency operation with the Sage Relay high-bay variant on the Sage central battery; cULus damp locations, -40 to 50 °C; FCC Part 15 class A

TEMPERATURE

Operating Temperature -40 to 50 °C ambient (55 °C for the 181512L size)

ORDERING INFORMATION

Nominal Lumen Output, selectable	181512L = 18,000 / 15,000 / 12,000 lm · 241815L = 24,000 / 18,000 / 15,000 lm · 363024L = 36,000 / 30,000 / 24,000 lm · 604836L = 60,000 / 48,000 / 36,000 lm
Kelvin, selectable	4K5K = 4000 / 5000 K
Input Voltage	(blank) 120–277 V · UNC = 347–480 V
Lens Distribution	(blank) medium · ND narrow · WD wide
Accessories (order separately)	passive infrared or microwave step-dimming sensor · remote control · narrow, medium or wide lens · wire guard kit · surface, pendant (not with UNC) and cable mount kits
Emergency (specify with the luminaire)	Sage Relay high-bay variant, RLY-4, on the Sage central battery

Ordering Example: LAUSR-181512L-4K5K-ND

UL CONDITIONS OF ACCEPTABILITY

cULus listed for damp locations, -40 to 50 °C ambient (55 °C for the 181512L size). Complies with FCC Part 15, class A; 6 kV input transient surge protection.

NOTE: Sensors (order separately): passive infrared (maximum mounting height 39 ft) or microwave step-dimming (49 ft) with the factory settings detection area 100 percent, hold time 5 s, stand-by period 0 s, stand-by dimming 10 percent, daylight threshold disabled; the remote control is required to change them.

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 warranty on all electronics and housing.

NOTE: For emergency operation, specify the Sage Relay high-bay variant (RLY-4) with the luminaire; the relay installs at the fixture per the Sage Relay installation guide.

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