

TYPE _____ · DATE _____ · PROJECT _____

CYP

Full Body Linear High Bay

Sage Cypress — Full Body Linear High Bay · Sensor Ready, Lumen & Kelvin Selectable · Four sizes · 12,000–60,000 lm nominal · Sage Relay option

SUGGESTED SPECIFICATION

Install Sage Cypress full-body linear LED high-bay luminaires — sensor ready, lumen and Kelvin selectable — in premium powder-coat die-cast aluminum housings, white, with polycarbonate prismatic lenses. Fixtures shall operate on universal 120–277 VAC (50–60 Hz) standard — 347–480 V via step-down transformer — with 0–10 VDC dimming drivers standard, deliver tri-lumen selectable output spanning 12,000 to 60,000 nominal lumens across four sizes (18L / 24L / 36L / 60L) with field-selectable color temperature (4000 K neutral white / 5000 K cool white, CRI > 80%), and accept a screw-in occupancy sensor (sensor and remote control sold separately; remote control required to change factory sensor settings). LED life shall be L70 135,000 hours (IES TM-21-11 calculated) and L90 41,000 hours. For code-compliant emergency egress lighting, fixtures shall be furnished with the factory-installed, UL Listed Sage Relay (SR7) for connection to a Sage low-voltage central-battery DC emergency power system — emergency power rating factory-adjustable 10–40 W, delivering adjustable emergency output of 1,400–5,600 lumens (18L / 36L) or 1,500–6,000 lumens (24L) — or with a factory-installed 10 / 13 / 25 W emergency driver (EM10 / EM13 / EM25). Fixtures shall mount via surface, pendant, or cable (3 m / 5 m) kits, ordered separately. cULus listed for damp locations; DLC Premium; FCC Part 15 Class A.

ELECTRICAL SPECIFICATIONS

AC and DC operation: normal lighting on 120–277 VAC, 50–60 Hz standard (347–480 V via step-down transformer, UNC), input 0.68–1.09 A (18L) · 0.81–1.35 A (24L) · 1.26–2.02 A (36L) · 1.87–3.31 A (60L) at 120 V — measured at 120 / 240 / 277 V in the published electrical data; PF > 0.9; THD < 20%; 0–10 VDC dimming drivers standard. Emergency options: the factory-installed Sage Relay (SR7 — EPR factory-adjustable 10–40 W on the Sage central battery, DC) or a factory-installed 10 / 13 / 25 W emergency driver (EM10 / EM13 / EM25). L70 135,000 h (IES TM-21-11 calculated) · L90 41,000 h; LED color maintenance < 0.003 chromaticity shift ($\Delta u'v'$) over the initial 6,000 h; CRI > 80%. cULus damp location; –40 to 55 °C ambient (18L / 24L) · –40 to 50 °C (36L / 60L).

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

Size	Setting	4000 K — lm (W)	5000 K — lm (W)
18L	Low	12,454 (81.57)	12,245 (82.68)
18L	Mid	15,387 (103.79)	14,987 (105.72)
18L	High	18,260 (127.33)	17,662 (130.36)
24L	Low	15,480 (97.50)	15,446 (98.69)
24L	Mid	18,164 (116.37)	17,944 (117.96)
24L	High	23,772 (158.16)	23,381 (161.41)
36L	Low	24,204 (151.23)	24,004 (154.24)
36L	Mid	29,825 (192.09)	29,339 (196.72)
36L	High	35,415 (235.36)	34,727 (242.20)
60L	Low	36,167 (224.7)	36,380 (228.0)
60L	Mid	47,698 (305.1)	47,582 (309.5)
60L	High	59,177 (389.6)	58,715 (397.7)

Measured values per the published lumen tables; efficacy runs 135–161 lm/W by size, setting, and CCT. Nominal selectable values (high / mid / low): 18L = 18,000 / 15,000 / 12,000 · 24L = 24,000 / 18,000 / 15,000 · 36L = 36,000 / 30,000 / 24,000 · 60L = 60,000 / 48,000 / 36,000 lm. Contact factory for other color temperatures and lumen packages. Emergency output (SR7): adjustable through the 10–40 W EPR range — 1,400–5,600 emergency lumens (18L / 36L) · 1,500–6,000 emergency lumens (24L), nominal at 4000 K and mid-lumen-range efficacy (Lumens = EPR watts × luminaire efficacy lm/W); for maximum efficiency, set the EPR at the minimum level for NFPA Life Safety Code compliance, based on the fixture's installed photometrics. Relay emergency-lumen data is not published for size 60L — contact Sage. Factory-installed emergency drivers, all four sizes (18L / 24L / 36L / 60L): EM10 — 10 W, 1,400 / 1,500 / 1,400 / 1,500 EM lm · EM13 — 13 W, 1,820 / 1,950 / 1,820 / 1,950 EM lm · EM25 — 25 W, 3,500 / 3,750 / 3,500 / 3,750 EM lm.

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PRODUCT DATA · INPUT

AC Input	120 – 277 VAC, 50–60 Hz · UNC = 347–480 V (step-down)
Input (18L)	0.68–1.09 A @ 120 V · 0.29–0.47 A @ 277 V
Input (24L)	0.81–1.35 A @ 120 V · 0.35–0.58 A @ 277 V
Input (36L)	1.26–2.02 A @ 120 V · 0.55–0.87 A @ 277 V
Input (60L)	1.87–3.31 A @ 120 V · 0.81–1.44 A @ 277 V
Emergency EM Drivers	Sage Relay SR7 · EPR 10–40 W (central battery DC)
	EM10 / EM13 / EM25 — 10 / 13 / 25 W, factory installed
Output	12,000 – 60,000 lm nominal · tri-lumen selectable per size
CCT / CRI	4000 / 5000 K selectable · CRI > 80%
Dimming	0–10 VDC drivers, standard
LED Life	L70 135,000 h · L90 41,000 h

FEATURES

- Factory-installed Sage Relay option (SR7) — code-compliant emergency egress from the Sage central battery (DC); EPR factory-adjustable 10–40 W
- Tri-lumen selectable — 12,000 to 60,000 nominal lumens across four sizes — with field-selectable 4000 K (neutral white) / 5000 K (cool white)
- Screw-in sensor ready — sensor and remote control sold separately; remote control required to change factory sensor settings
- 0–10 VDC dimming drivers and universal 120–277 VAC standard; 347–480 V via step-down transformer (UNC)
- Premium powder-coat die-cast aluminum housing, white; polycarbonate prismatic lens; finned heat sink
- cULus listed for damp locations; DLC Premium; surface, pendant, or cable mount kits ordered separately

TEMPERATURE

Operating Temperature (18L / 24L)	–40 to 55 °C (–40 to 131 °F)
Operating Temperature (36L / 60L)	–40 to 50 °C (–40 to 122 °F)

ORDERING INFORMATION

Size	18L = 18,000 / 15,000 / 12,000 lm nominal · 24L = 24,000 / 18,000 / 15,000 · 36L = 36,000 / 30,000 / 24,000 · 60L = 60,000 / 48,000 / 36,000 — selectable; see Electrical Data for specific values
Nominal Lumens (Selectable)	SL = tri-lumen selectable (values per size, nominal)
Color Temp (Selectable)	SK = 4000 K / 5000 K field selectable
Voltage	(Blank) = 120–277 V · UNC = 347–480 V via step-down transformer (not compatible with surface / pendant mount kits)
Options	SR7 = Sage Relay emergency lighting control — EPR factory-adjustable 10 W (min) to 40 W (max), powered from a Sage central battery DC system · EM10 / EM13 / EM25 = 10 / 13 / 25 W factory-installed emergency driver (relay-vs-driver ordering syntax: confirm with factory)

Ordering Example: CYP-24L-SL-SK-SR7

UL CONDITIONS OF ACCEPTABILITY

cULus listed for damp locations; DLC Premium; complies with FCC Part 15, Class A; input transient surge protection 6 kV per the electrical data (the codes-compliance block cites IEEE C.62.41-1991, Class A, 1.0 kV). The Sage Relay option (SR7) is a factory-installed, UL Listed emergency lighting control for connection to a Sage central battery DC emergency power system — emergency power rating (EPR) Factory Adjustable, 10 W minimum to 40 W maximum. Surface- and pendant-mount kits are not compatible with the 347–480 V step-down (UNC) or EM-driver options.

NOTE: Photometrics at the 5000 K, high-lumen setting: 17,662 lm · 130 W · 135 lm/W (18L) · 23,381 lm · 161 W · 145 lm/W (24L) · 34,727 lm · 242 W · 143 lm/W (36L) · 58,715 lm · 398 W · 148 lm/W (60L); spacing criteria 1.24–1.28.

NOTE: Accessory sensors (order separately): HD07VR-PH-1-90 passive infrared with 90° elbow adapter (maximum mounting height 39 ft) · HD07VR-MH-B-1-90 microwave step-dimming with 90° elbow adapter (49 ft) · HD05R remote control — required to change factory sensor settings (detection area 100% · hold time 5 s · stand-by period 0 s · stand-by dimming 10% · daylight threshold disabled).

NOTE: Order separately: wire guards and surface / pendant mount kits per size (surface and pendant kits not compatible with the 347–480 V step-down or EM-driver options) · cable mount kits CMK-3 / CMK-5 (3 m / 5 m) · remote-mount emergency drivers BLEM-CP-10C (10 W) / BLEM-CP-13C (13 W) · cord, whip, and corded-plug assemblies (6 / 10 / 15 ft · 3–6 conductor · NEMA straight and locking plugs).

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

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