

· TYPE _____ · DATE _____ · PROJECT _____

CED

Sage Cedar — Adjustable LED High Bay

Adjustable LED High Bay

15,000–30,000 lm · 120–277 VAC · 0–10 V · Sage Relay option

SUGGESTED SPECIFICATION

Install Sage Cedar adjustable LED high bay luminaires with rotatable optical panels that let the installer direct the light, in a painted steel housing with PMMA frosted lenses, for new construction or retrofit. Luminaires shall deliver 15,000, 23,000 or 30,000 nominal lumens at about 140 lumens per watt in 4000 K or 5000 K, CRI above 80, with long-life LEDs rated 174,000 hours to L70 (IES TM-21-11 calculated). Drivers shall accept universal 120 to 277 VAC, 50 to 60 Hz, with 0 to 10 VDC dimming standard, power factor above 0.90, total harmonic distortion below 20 percent, flicker-free operation per IEEE 1789-2015 and 2.0 kV input transient protection per IEC/EN 61000-4-5. Optics shall rotate up to 150 degrees. A chain-mount kit with V-hooks and a 1 m chain shall ship standard; pendant mounting, surface mounting and wire guard kits shall be available. Where emergency operation is specified, the luminaire shall carry the factory-installed Sage Relay, a UL Listed emergency lighting control for connection 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 RoHS, and carry a five-year warranty.

ELECTRICAL SPECIFICATIONS

Universal 120–277 VAC, 50–60 Hz; 0–10 VDC dimming drivers standard; power factor above 0.90; THD below 20 percent; CRI above 80; 2.0 kV input transient protection. Input current 1.16 to 1.18 A at 120 V, 0.58 to 0.59 A at 240 V and 0.50 to 0.51 A at 277 V across the six models. Sage Relay option (RLY): factory-installed emergency lighting control for the Sage central battery; see the Sage Relay documents.

ELECTRICAL DATA — LUMENS, WATTS AND EFFICACY BY MODEL

Model	Lumens	Watts	lm/W	A at 120 / 240 / 277 V
CED-110-15L-MV-4K	15,297	109	140	1.17 / 0.58 / 0.51
CED-110-15L-MV-5K	12,471	109	141	1.18 / 0.59 / 0.51
CED-170-23L-MV-4K	22,970	139	139	1.16 / 0.58 / 0.50
CED-170-23L-MV-5K	23,223	140	140	1.17 / 0.58 / 0.51
CED-220-30L-MV-4K	30,394	217	140	1.17 / 0.58 / 0.51
CED-220-30L-MV-5K	30,742	216	142	1.18 / 0.59 / 0.51

Values as published for each model at 120–277 V, 50–60 Hz; nominal values, see the model data for specific values. L70 174,000 hours, IES TM-21-11 calculated.

PRODUCT DATA · INPUT

AC Input	120–277 VAC · 50–60 Hz
Dimming	0–10 VDC standard
Output	15,000 / 23,000 / 30,000 lm nominal
Power	110 / 170 / 220 W nominal
CCT / CRI	4000 K · 5000 K · CRI > 80
LED life	L70 174,000 h
Emergency	RLY = Sage Relay, central battery

FEATURES

- Adjustable high bay with rotatable optical panels; optics rotate up to 150 degrees to direct the light
- 15,000, 23,000 or 30,000 nominal lumens at about 140 lm/W; 4000 K or 5000 K; CRI above 80
- Painted steel housing with PMMA frosted lenses; new construction or retrofit
- Universal 120–277 VAC with 0–10 VDC dimming standard; PF above 0.90; THD below 20 percent; flicker-free per IEEE 1789-2015; 2.0 kV transient protection
- Chain-mount kit standard (V-hooks, 1 m chain); pendant mounting, surface mounting and wire guard kits available
- Sage Relay option (RLY), factory installed, for emergency operation on the Sage central battery; cULus damp locations, -40 to 50 °C

TEMPERATURE

Operating Temperature -40 to 50 °C ambient

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ORDERING INFORMATION

Power (W)	110 · 170 · 220
Lumens	15L = 15,000 lm · 23L = 23,000 lm · 30L = 30,000 lm
Voltage	MV = 120/277 VAC
Color Temperature	4K = 4000 K · 5K = 5000 K
Emergency option	RLY = Sage Relay, emergency lighting control for the Sage central battery
Accessories (order separately)	wire guard kit (15L and 23L; 30L) · pendant mount kit · surface mount kit

Ordering Example: CED-110-15L-MV-4K-RLY

UL CONDITIONS OF ACCEPTABILITY

cULus listed for damp locations, -40 to 50 °C ambient. Complies with FCC Part 15 class A and RoHS; flicker-free per IEEE 1789-2015; IEC/EN 61000-4-5 input transient protection, 2.0 kV.

NOTE: Power and lumen positions pair as published: 110 W with 15L, 170 W with 23L and 220 W with 30L; other color temperatures and lumen packages on request.

NOTE: Sage Relay option: the relay is factory installed in the luminaire and connects to the Sage central battery low voltage run; see the Sage Relay documents for the wiring and the relay data.

NOTE: Five-year warranty.

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