

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

# OBS

Sage Obsidian — Recessed LED Down Light

## Recessed LED Down Light

4" trim · 4 / 7 / 10 W · BB · AC · RE

### SUGGESTED SPECIFICATION

Install Sage Obsidian recessed LED downlight emergency-lighting fixtures, available as unit equipment (BB, battery unit), for 120/277 VAC supply (AC), or as a remote device connected to a Sage central-battery power source (RE, 24 VDC). Upon loss of AC building power, emergency models shall operate for a minimum of 90 minutes under battery power, in compliance with UL 924 and NFPA Life Safety Code 101. The unit may be specified to operate continuously for security or night lighting, as required. The battery charger and power supply shall have universal input of 120/277 VAC, with brownout and LVD circuit protection. Automatic battery diagnostics shall be available for all models, as specified, and shall perform all test functions specified by UL 924 and NFPA 101. Fixtures shall install recessed with a 4" trim ring, standard can and back plate, in a steel housing with bracket mount locations and multiple knockouts; color temperature 5000 K.

### ELECTRICAL SPECIFICATIONS

Dual function — night or security lighting as well as code-required emergency — in three operation versions: BB battery unit (Li-ion battery with high-efficiency charger; self-test/self-diagnostics standard; line-latch circuit prevents unwanted emergency activation at installation; low-voltage disconnect prevents deep battery discharge), AC supply (universal 120/277 VAC), and RE (24 VDC remote from the Sage central battery, including low-voltage normal-lighting operation). Normal-on switch allows timed control of night lighting. Recessed with a 4" trim, the fixture is inconspicuous and blends with general lighting fixtures without affecting the appearance of ceiling layouts — very effective in long corridors, with spacing up to 55 ft in 9 ft ceilings for 1 fc average illumination along the path of egress. Over 50,000 hour lamp life in normal use; 5000 K.

### SPACING GUIDE — 1 FC AVERAGE ILLUMINANCE

Model	Mtg. height	3 ft path	6 ft path	10 ft path
7 W	9'	50'	40'	25'
10 W	9'	55'	50'	40'

Fixture spacing for 1 fc average illuminance along the path of egress, by egress-path width; 0.1 fc minimum contour published; 9' AFF mounting. Tested in accordance with IES standard LM-79-08 for solid-state lighting products; standard reflectances 80/50/20 — for reference only. Contact Sage for complete photometric data.

### PRODUCT DATA · INPUT

<b>Versions</b>	BB · AC · RE (24 VDC remote)
<b>AC Input</b>	120 / 277 VAC universal
<b>DC Input (RE)</b>	24 VDC from the central battery
<b>Power</b>	BB & RE: 7 / 10 W · AC: 4 / 7 W
<b>CCT</b>	5000 K
<b>Lamp Life</b>	over 50,000 h in normal use
<b>Emergency Runtime</b>	≥ 90 min (emergency models)

### FEATURES

- Recessed 4"-trim downlight — inconspicuous, blends with general lighting fixtures without affecting the appearance of ceiling layouts; very effective in long corridors
- Three versions — battery unit (BB), 120/277 VAC supply (AC), or 24 VDC remote from the Sage central battery (RE) with low-voltage normal-lighting operation
- Dual function — night or security lighting as well as emergency; normal-on switch for timed night-lighting control
- Self-test diagnostics standard in battery backup versions — test switch & status light at the trim (BB models); line latch circuit and low-voltage disconnect
- Steel housing with bracket mount locations and multiple knockouts; integral hanger bars; 4" trim ring with standard can and back plate — satin white, black, aluminum, dark bronze, or custom

### TEMPERATURE

**Operating Temperature** BB: 0 to 50 °C · AC & RE: -40 to 50 °C

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### ORDERING INFORMATION

<b>Operation</b>	BB = Battery Unit · AC = AC Supply (120/277 V) · RE = Remote with central battery
<b>Power</b>	4 = 4 W (AC models only) · 7 = 7 W · 10 = 10 W (BB & RE models only)
<b>Trim Color</b>	W Satin White · K Black · A Aluminum · B Dark Bronze · X Custom
<b>Options</b>	DAC Dual AC Input (AC models only) · DP Damp Location · IC Insulation Contact Rated
<i>Ordering Example: OBS-BB-10-W-DP</i>	

### UL CONDITIONS OF ACCEPTABILITY

Manufactured and tested to UL Standard 924 and NFPA Life Safety Code 101 (emergency models, minimum 90 minutes). cULus + cETLus (Intertek). DP option: damp location · IC option: insulation contact rated. Major components are American-manufactured, complying with ARRA and Buy American provisions; designed and made in the USA.

*NOTE: Warranty: 10 year total customer satisfaction warranty.*

*NOTE: RE operates with the Sage central battery, including low-voltage normal-lighting operation — see the Sage central-battery data sheet.*

*NOTE: Contact Sage for layout assistance — code-compliant emergency lighting layouts provided free of charge.*

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