

9" Square

Updated: 10/2009



- Now available with highly efficient LED ring technology
 - Type 5 distribution pattern
 - Warm white (3500K) or bright white (5100K)
- Body and cap are composed of precast concrete reinforced with an internal cage structure of steel
- Grills are cast aluminum with stainless steel hardware
- Inner lens is sealed to the grill frame
- Integral prewired ballast module
- Electrical module is silicone gasketed for weather tight operations
- EISA compliant
- Color of grills feature TGIC polyester powder coat finish with choice of 13 standard colors



CB9S-CUTOFF-PYRM-MSB



CB9S-CUTOFF-PYRM-MSB

Architectural Area Lighting

16555 East Gale Ave. | City of Industry | CA 91745

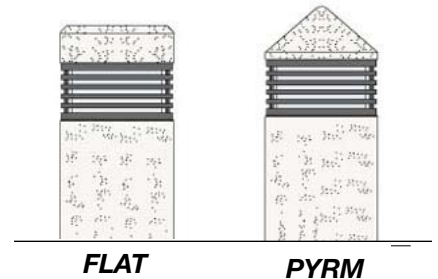
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Bollard	OAH	Grill	Top Style	Lamp/ Ballast	Concrete Finish	Grill Color	Options	Mounting
CB9S	24	CUTOFF	FLAT	50MH	MSB	MTB	HSS	EXT

BOLLARD	OAH (inches)	GRILL	TOP STYLE	WT (lbs.)
<input type="checkbox"/> CB9S	24	CUTOFF	FLAT	130
<input type="checkbox"/> CB9S	36	CUTOFF	FLAT	150
<input type="checkbox"/> CB9S	42	CUTOFF	FLAT	170
<input type="checkbox"/> CB9S	24	CUTOFF	PYRM	130
<input type="checkbox"/> CB9S	36	CUTOFF	PYRM	150
<input type="checkbox"/> CB9S	42	CUTOFF	PYRM	170



LAMP/BALLAST

- 50MH 50 watt metal halide 120/208/240/277 volt ballast. Use medium base, ED-17 lamp.

- 70MH 70 watt metal halide 120/208/240/277 volt ballast. Use medium base, ED-17 lamp.

- 100MH 100 watt metal halide 120/208/240/277 volt ballast. Use medium base, ED-17 lamp.

- 50HPS 50 watt high pressure sodium 120/277 volt ballast. Use medium base, ED-17 lamp.

- 70HPS 70 watt high pressure sodium 120/208/240/277 volt ballast. Use medium base, ED-17 lamp.

- 100HPS 100 watt high pressure sodium 120/208/240/277 volt ballast. Use medium base, ED-17 lamp.

- 27LED-WW 27 light emitting diode array (28 watt). Warm white (3500K). IES Type 5. 120 thru 277 volt.

- 27LED-BW 27 light emitting diode array (28 watt). Bright white (5100K). IES Type 5. 120 thru 277 volt.

All ballasts are factory wired for 277 volts, unless specified. Lamps not included (except LED options). All applicable ballasts are EISA compliant.

CONCRETE FINISH

- MSB Medium sandblast, natural color finish

- AGR Exposed aggregate finish

SOLD TO	PO #	JOB NAME
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Approvals

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GRILL COLOR

<input type="checkbox"/> AWT	Arctic White	<input type="checkbox"/> CRT	Corten
<input type="checkbox"/> BLK	Black	<input type="checkbox"/> MAL	Matte Aluminum
<input type="checkbox"/> MTB	Matte Black	<input type="checkbox"/> MDG	Medium Grey
<input type="checkbox"/> DGN	Dark Green	<input type="checkbox"/> ATG	Antique Green
<input type="checkbox"/> DBZ	Dark Bronze	<input type="checkbox"/> LGY	Light Grey
<input type="checkbox"/> WRZ	Weathered Bronze	<input type="checkbox"/> RAL/PREMIUM	Provide a RAL 4 digit color number
<input type="checkbox"/> BRM	Metallic Bronze		COLOR
<input type="checkbox"/> VBL	Verde Blue	<input type="checkbox"/> CUSTOM COLOR	Please provide a color chip for matching

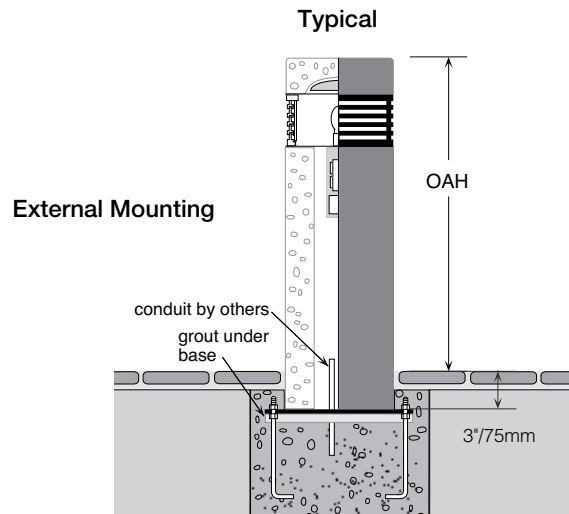
OPTIONS

<input type="checkbox"/> HSS	House side shield -180°
<input type="checkbox"/> RBC	A single gang junction box, cast in place, weatherproof cover only. Consult factory for location.
<input type="checkbox"/> Colored Concrete	Based on Davis colors. For custom color and aggregate, customer must provide aggregate, sand, and colorant.

MOUNTING

<input type="checkbox"/> EXT	External mounting
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Note: Internal mounting not available with CB9S



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Specifications

CONCRETE BODY AND CAP

The body and caps are composed of precast concrete reinforced with an internal cage structure of steel. The concrete bodies are one-piece castings with a minimum wall thickness of 3"/75mm. All threaded inserts are welded to the steel reinforcing cage and cast in place. The base plate for anchoring is 1/4" hot dipped galvanized steel.

GRILL

Grills are cast aluminum, minimum wall thickness of .250 inches. All castings are pure aluminum #356 alloy, free of any foreign material or porosity. Grills have cast-in-place, integral mounting lugs for attachment to the concrete base. The clear inner lens is sealed to the grill frame. LED model has a lightly diffused acrylic lens. The grill assembly has a silicone gasket on the top and bottom for weather tight operation. Recessed stainless steel screws are loosened to remove the top cap for relamping. For HID models, an upper reflector is installed on the inside of all top caps for optimum luminaire efficiency.

CUTOFF

Models with cutoff grill provide IES cutoff classification meaning less than 2.5% of light is emitted above 90° horizontal.

ELECTRICAL MODULE

The electrical module consists of the ballast module and lamp housing. All housing parts are aluminum with stainless steel hardware. The ballast module is prewired on an aluminum strap mounted to the underside of the lamp housing. The electrical module is silicone gasketed for weather tight operation. HID ballasts are high power factor, rated for -30°C starting. Ballasts are wired at the factory for 277 volts, unless specified. LED components are 120 thru 277 volt. LED constant current driver operates at 350mA.

FINISH

Concrete surface finish is natural concrete with a medium sandblast etch or exposed aggregate. Medium sandblast finish includes a clear anti-vandal sealer.

Grill finish consists of a five stage pretreatment regimen with a polymer primer sealer, oven dry off and top coated with a thermoset super TGIC polyester powder coat finish. The finish shall meet the AAMA 605.2 performance specification which includes passing a 3000 hour salt spray test for corrosion resistance.

EISA COMPLIANCE

AAL is committed to complying with U.S. EISA requirements. All applicable products manufactured for sale in the United States after January 1, 2009, meet EISA requirements.

CERTIFICATION

All bollards shall be listed with ETL for outdoor, wet location use, UL1598 and Canadian CSA Std. C22.2 no250.

WARRANTY

Fixture is warranted for three years. Ballast components carry the ballast manufacturer's limited warranty. Any unauthorized return, repair, replacement or modification of the Product(s) shall void this warranty. This warranty applies only to the use of the Product(s) as intended by AAL and does not cover any misapplication or misuse of said Product(s), or installation in hazardous or corrosive environments. Contact AAL for complete warranty language, exceptions, and limitations.

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