

18" Round

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



CB18R-HORZ-FLAT-MSB



CB18R-HORZ-FLAT-MSB



Architectural Area Lighting

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

T 626.968.5666 | F 626.369.2695 | www.aal.net

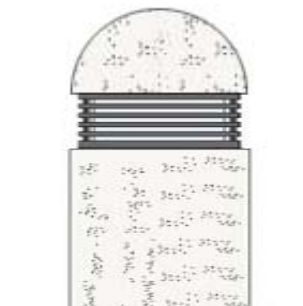
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Bollard	OAH	Grill	Top Style	Lamp/Ballast	Concrete Finish	Grill Color	Options	Mounting
CB18R	42	VERT	FLAT	150HPS	MSB	MTB	HSS	INT

BOLLARD	OAH (inches)	GRILL	TOP STYLE	WT (lbs.)
<input type="checkbox"/> CB18R	24	CUTOFF	FLAT	280
<input type="checkbox"/> CB18R	36	CUTOFF	FLAT	310
<input type="checkbox"/> CB18R	42	CUTOFF	FLAT	340
<input type="checkbox"/> CB18R	29	CUTOFF	DOME	300
<input type="checkbox"/> CB18R	41	CUTOFF	DOME	330
<input type="checkbox"/> CB18R	47	CUTOFF	DOME	360
<input type="checkbox"/> CB18R	24	HORZ	FLAT	280
<input type="checkbox"/> CB18R	36	HORZ	FLAT	310
<input type="checkbox"/> CB18R	42	HORZ	FLAT	340
<input type="checkbox"/> CB18R	29	HORZ	DOME	300
<input type="checkbox"/> CB18R	41	HORZ	DOME	330
<input type="checkbox"/> CB18R	47	HORZ	DOME	360
<input type="checkbox"/> CB18R	24	VERT	FLAT	280
<input type="checkbox"/> CB18R	36	VERT	FLAT	310
<input type="checkbox"/> CB18R	42	VERT	FLAT	340
<input type="checkbox"/> CB18R	27	VERT	DOME	300
<input type="checkbox"/> CB18R	39	VERT	DOME	330
<input type="checkbox"/> CB18R	45	VERT	DOME	360



FLAT



DOME

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.
- 150PSMH Pulse start 150 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.
- 150HPS 150 watt high pressure sodium 120/208/240/277 volt ballast. Use medium base, ED-17 lamp.
- 72LED-WW 72 light emitting diode array (74 watt). Warm white (3500K). IES Type 5. 120 thru 277 volt.
- 72LED-BW 72 light emitting diode array (74 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.

SOLD TO	PO #	JOB NAME
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Approvals

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Bollard	OAH	Grill	Top Style	Lamp/ Ballast	Concrete Finish	Grill Color	Options	Mounting
CB18R	42	Vert	Flat	150HPS	MSB	MTB	HSS	INT

CONCRETE FINISH

- MSB Medium sandblast, natural color finish
- AGR Exposed aggregate finish

GRILL COLOR

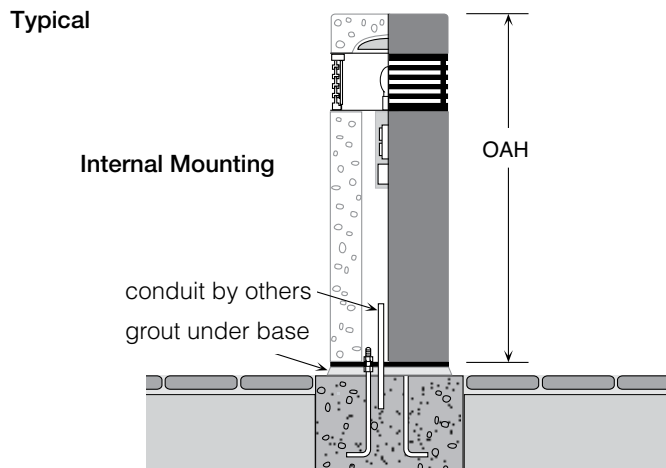
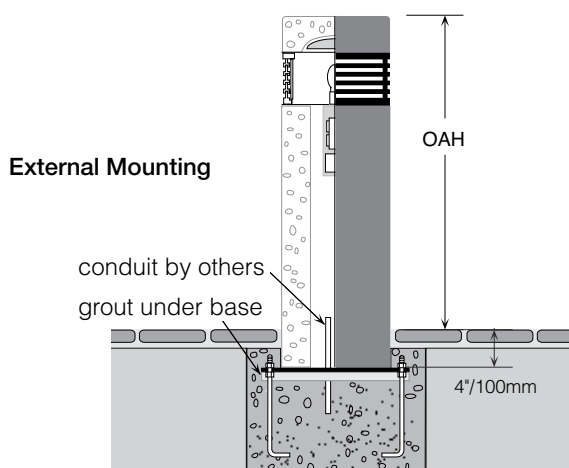
- | | |
|---|--|
| <input type="checkbox"/> AWT Arctic White | <input type="checkbox"/> CRT Corten |
| <input type="checkbox"/> BLK Black | <input type="checkbox"/> MAL Matte Aluminum |
| <input type="checkbox"/> MTB Matte Black | <input type="checkbox"/> MDG Medium Grey |
| <input type="checkbox"/> 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 | <input type="checkbox"/> CUSTOM COLOR Please provide a color chip for matching |
| <input type="checkbox"/> VBL Verde Blue | |

OPTIONS

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

MOUNTING

- INT Internal mounting
- EXT External mounting



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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 inner lens is sealed to the grill frame. HID cutoff models have a clear DR acrylic lens. Other HID models have an opal DR acrylic lens. All LED models have an opal 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 no.250

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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