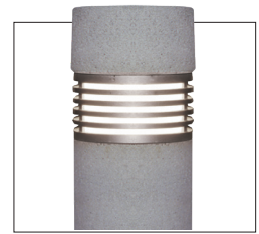


CB12R – Contemporary Concrete Bollard – 12" Round | TYPE

- Warm white (3000K), neutral white (4000K) or bright white (5000K)
- Body and cap are composed of precast concrete reinforced with an internal cage structure of steel
- Grilles are cast aluminum with stainless steel hardware
- Inner lens is sealed to the grille frame
- Integral prewired driver module
- Electrical module is silicone gasketed for weather tight operations
- Color of grilles feature TGIC polyester powder finish coating with choice of 13 standard colors.



CB12R

1. MODEL	2. STYLE	3. LIGHT ENGINE	3. CONCRETE FINISH	5. GRILLE FINISH	6. OPTIONS	7. MOUNTING
CB12 R						

1. MODEL

CB12R Concrete Bollard, 12"Ø

2. STYLE

24" OAH internal or external mounting

- 24-CO-FLAT cutoff grille, flat top
- 24-HORZ-FLAT horizontal grille, flat top
- 24-VERT-FLAT vertical grille, flat top
- 24-VERT-DOME vertical grille, dome top

26" OAH internal or external mounting

- 26-CO-DOME cutoff grille, dome top
- 26-HORZ-DOME horizontal grille, dome top

36" OAH internal mounting

- 36-CO-FLAT cutoff grille, flat top
- 36-HORZ-FLAT horizontal grille, flat top
- 36-VERT-FLAT vertical grille, flat top
- 36-VERT-DOME vertical grille, dome top

37" OAH external mounting

- 37-CO-FLAT cutoff grille, flat top
- 37-HORZ-FLAT horizontal grille, flat top
- 37-VERT-FLAT vertical grille, flat top
- 37-VERT-DOME vertical grille, dome top

38" OAH internal mounting

- 38-CO-DOME cutoff grille, dome top
- 38-HORZ-DOME horizontal grille, dome top

39" OAH external mounting

- 39-CO-DOME cutoff grille, dome top
- 39-HORZ-DOME horizontal grille, dome top

41" OAH internal mounting

- 41-CO-FLAT cutoff grille, flat top
- 41-HORZ-FLAT horizontal grille, flat top
- 41-VERT-FLAT vertical grille, flat top
- 41-VERT-DOME vertical grille, dome top

42" OAH external mounting

- 42-CO-FLAT cutoff grille, flat top
- 42-HORZ-FLAT horizontal grille, flat top
- 42-VERT-FLAT vertical grille, flat top
- 42-VERT-DOME vertical grille, dome top

43" OAH internal mounting

- 43-CO-DOME cutoff grille, dome top
- 43-HORZ-DOME horizontal grille, dome top

44" OAH external mounting

- 44-CO-DOME cutoff grille, dome top
- 44-HORZ-DOME horizontal grille, dome top

3. LIGHT ENGINE

- 36LED-BW 5000K, 42w, 70 CRI
- 36LED-NW 4000K, 42w, 70 CRI
- 36LED-WW 3000K, 42w, 70 CRI

4. CONCRETE FINISH

- MSB *Medium sandblast, natural color finish*
- AGR *Exposed aggregate finish*
- MSB-CC *Medium sandblast, custom color ^{1 2}*
- AGR-CC *Exposed aggregate finish, custom color ^{1 2}*

2. COLOR

- BLS** Black Gloss Smooth
- BLT** Black Matte Textured
- DBS** Dark Bronze Gloss Smooth
- DBT** Dark Bronze Matte Textured
- GTT** Graphite Matte Textured
- LGS** Light Grey Gloss Smooth
- LGT** Light Grey Matte Textured
- PSS** Platinum Silver Smooth
- VGT** Verde Green Textured
- WHS** White Gloss Smooth
- WHT** White Matte Textured

Color Option

- CC* Custom Color

6. OPTIONS

- HSS *House side shield -180°*
- RBC *Single gang electrical box, cast in place with weatherproof cover. ¹*

7. MOUNTING

- INT *Internal, for 24", 26", 36", 38", 41" or 43" OAH only*
- EXT *External, for 24", 26", 37", 39", 42" or 44" OAH only*

¹ Consult Factory.

² Based on Davis colors. For custom color and aggregate, customer must provide aggregate, sand, and colorant.

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.

GRILLE

Grilles are cast aluminum, minimum wall thickness of .250 inches. All castings are pure aluminum #356 alloy, free of any foreign material or porosity. Grilles have cast-in-place, integral mounting lugs for attachment to the concrete base. The inner lens is sealed to the grille frame. All LED models have an opal DR 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.

CUTOFF

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

ELECTRICAL MODULE

The electrical module consists of the electrical module and lamp housing. All housing parts are aluminum with stainless steel hardware. The electrical 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. 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

See next page

JOB _____
 TYPE _____
 NOTES _____



CB12R – Contemporary Concrete Bollard – 12" Round | TYPE

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.

CERTIFICATION

All bollards shall be listed with ETL for outdoor, wet location use, UL1598 and Canadian CSA Std. C22.2 no.250

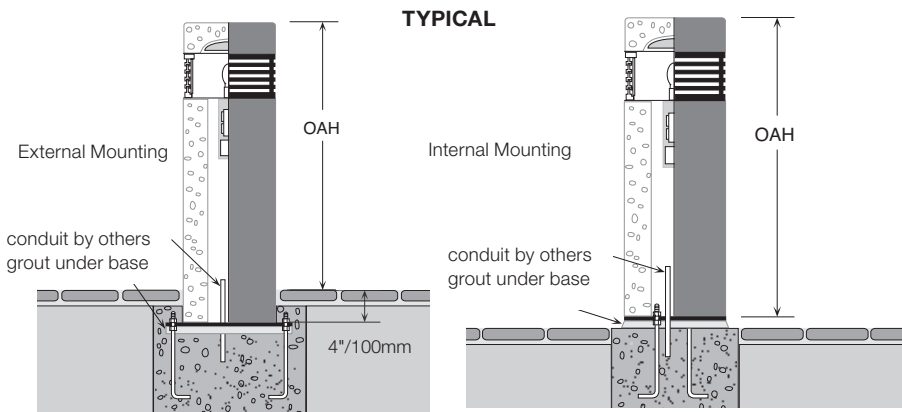
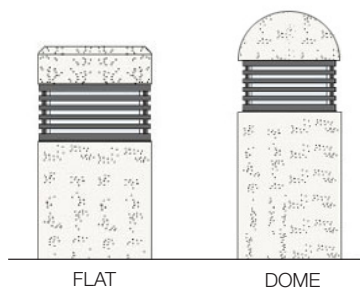
WARRANTY / TERMS AND CONDITIONS OF SALE

Download:

<http://www.hubbellighting.com/resources/warranty/>

MODEL	OAH	GRILLE	TOP	MOUNTING	WT (LBS)
CB12R	24"	CO	FLAT	EXTERNAL	139
				INTERNAL	116
		HORZ	FLAT	EXTERNAL	139
				INTERNAL	116
		VERT	DOME	EXTERNAL	135
				INTERNAL	112
			FLAT	EXTERNAL	150
				INTERNAL	127
	26"	CO	DOME	EXTERNAL	135
				INTERNAL	112
		HORZ	DOME	EXTERNAL	135
				INTERNAL	112
	36"	CO	FLAT	INTERNAL	186
				VERT	DOME
			FLAT		INTERNAL
			37"	CO	FLAT
	VERT	DOME			
				FLAT	EXTERNAL
	38"			CO	DOME
		HORZ			
39"				CO	DOME
		HORZ			
	41"			CO	FLAT
		VERT	DOME		
			FLAT	INTERNAL	225
		42"	CO	FLAT	EXTERNAL
VERT	DOME				EXTERNAL
			FLAT	EXTERNAL	255
43"			CO	DOME	INTERNAL
	44"	CO	DOME	EXTERNAL	240

DIMENSIONS



CB12R VERT 36LED-WW WATTAGE: 37.7 LUMEN OUTPUT: 663 EFFICACY: 17.6 Lm/W

B1 U2 G1

FORWARD LIGHT LUMEN

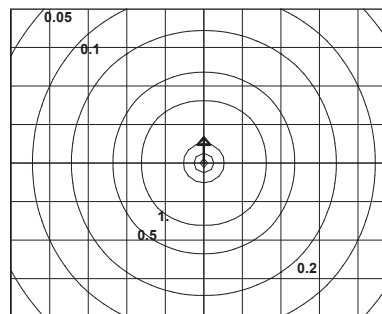
FL	30°	1.3%	8
FM	60°	16.5%	110
FH	80°	17.0%	113
FVH	90°	5.9%	39

BACK LIGHT

BL	30°	1.3%	8
BM	60°	16.5%	110
BH	80°	17.0%	113
BVH	90°	5.9%	39

UPLIGHT

UL	100°	6.8%	45
UH	180°	11.7%	78



UPLIGHT 18.5%
DOWNLIGHT 81.5%

3.5' MOUNTING HEIGHT

AAL reserves the right to change product specifications without notice.

[IES files can be found at www.aal.net](http://www.aal.net)



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