

CITY ELEMENTS 180

Illuminating Bollard

.hess

DESCRIPTION

Illuminating bollard is part of the comprehensive CITY ELEMENTS product family of modular light columns. The slender 7" diameter bollard gracefully enhances pedestrian pathways. Mounting options include internal flange with anchor bolts or external flange with anchor bolts with base cover. Extruded aluminum shaft and housing are finished in finely textured paint. All hardware is stainless steel.



PROTECTED BY

PRIMAR®

Date: _____ Type: _____ Catalog Number: _____

Project Name: _____

ORDERING INFORMATION

LUMINAIRE									
MODEL	MOUNTING	HOUSING	HEIGHT	CCT	CONTROL	VOLTAGE	DISTRIBUTION	FINISH	OPTIONS
CE180B City Elements 180 Illuminating Bollard	IF Internal Flange	AR450 360° Illumination	36 36"	30K 3000K	DIM 0-10v Dimming	UNV 120-277v	T2 Type II	BL Black	GFCI Internal GFCI Receptacle
	EF External Flange w/ Base Cover	AA450 240° Illumination	42 42"	40K 4000K			T3 Type III	DB Dark Bronze	HSS* House Side Shield
	EF-HS High Security w/ External Flange		48 48"				T4 Type IV	DG Dark Grey	TVSS20 Surge Suppressor
							T5* Type V	GG Graphite Grey	
								SG Silver Grey	
							*Not available on AA450 housing	CC Custom RAL Color	*Not available on AA450 housing

MOUNTING (Required, Ordered Separately)

CE180B-IF-MK

Mounting Kit for Internal Flange; Includes (4) 0.5" x 15" x 3" Anchor Bolts and Paper Template

CE180B-EF-MK

Mounting Kit for External Flange; Includes (4) 0.5" x 15" x 3" Anchor Bolts and Paper Template

CE180B-EF-HS-MK

Mounting Kit with Hot Dip Galvanized Steel Security Core and Mounting Hardware (Bollard to Core)

EXPERIENCE
BRANDS

www.HessAmerica.com

For other Experience® Brands companies, please visit www.experiencebrandsusa.com.

In a continuing effort to offer the best product possible, we reserve the right to change, without notice, specifications or materials. Technical specification sheets that appear on www.hessamerica.com are the most recent ones available.

SPECIFICATIONS

HOUSING

Bollard shaft is extruded from 6061-T6 aluminum with nominal diameter of 7.1" and wall thickness of 0.28". Luminaire consists of upper housing element and cylindrical lens bonded to the bollard shaft. Lens is clear acrylic with thickness of 0.16" with optional 240° aperture. Optical and electrical unit with machined aluminum cap installs into the luminaire from the top. The removable assembly is secured with a single stainless steel thumbscrew concealed within the bollard shaft and accessed via the hand hole. Single piece silicone gasket provides weather-tight seal when installed. Electrical quick disconnect facilitates ease of maintenance when removing or replacing the assembly. Flush mounted hand hole cover is plasma cut with kerf not to exceed 1/8" and includes triangular tamper-resistant locking device. Machined aluminum flange plate is 1/2" thick and welded to the shaft. Bollard is available in 3', 3.5', and 4' heights. All hardware is stainless steel.

OPTICS

Optical assembly consists of one LEVO C LED module mounted within the cylindrical clear acrylic lens. The module consists of an aluminum core PCB with four high-power LEDs and a single piece lens molded from optical quality acrylic. Light distributions include a choice of Type II, III, IV, or V* optics. LED circuit boards are equipped with electrical disconnects to allow for future technology upgrades. CRI is 80+.

ELECTRICAL

Electronic LED driver supplies 250mA drive current to the LED module with input voltage range from 120v through 277v at 50/60Hz. Power consumption is 15 watts. Optional 0-10v DC dimming is available on request.

DELIVERED LUMEN OUTPUT/BUG RATING

DISTRIBUTION	AR450				AA450			
	3000K		4000K		3000K		4000K	
	LUMENS	BUG RATING	LUMENS	BUG RATING	LUMENS	BUG RATING	LUMENS	BUG RATING
Type II	1299	B0-U1-G0	1382	B1-U1-G1	1170	B0-U1-G0	1245	B0-U1-G0
Type III	1342	B1-U1-G1	1428	B1-U2-G1	1127	B0-U1-G1	1199	B0-U1-G1
Type IV	1304	B1-U1-G1	1388	B1-U1-G1	1113	B0-U1-G1	1184	B0-U1-G1
Type V	1417	B1-U1-G0	1507	B1-U1-G0	Type V distribution is not available on AA450 models.			

NOTE:

Due to rapid and continuous advances in LED technology, LED luminaire data is subject to change without notice and at the discretion of HessAmerica. Consult factory for current technical data.

MOUNTING

Bollard with external flange mounts installs onto four 1/2" x 15" x 3" galvanized steel anchors embedded into concrete foundation (by others). Base cover is fabricated from 0.080" spun aluminum and finished to match luminaire. Anchor bolts may be pre-shipped in advance on request.

Internal flange mount installs onto four 1/2" x 15" x 3" galvanized steel anchors embedded into concrete foundation (by others). Anchor bolts may be pre-shipped in advance on request.

FINISH:

Standard finishes are finely textured matte silver grey metallic, dark grey, graphite grey, matte black, or dark bronze. Special colors available on request.

WARRANTY

Limited product warranty period including LEDs is five years. Driver shall carry the manufacturer's limited warranty.

CERTIFICATION

CSA Certified for Wet Locations

*AA450 is not available with Type V optics.

MOUNTING DETAILS

All dimensions are shown in inches unless otherwise noted.

