Jemm LIGHTING

EasyLED Technology

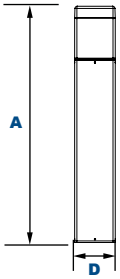
EasyLED Square Flat Bollards

L70 25°C **147,000 Hours**

IES Type III & V Glass **BS3COB** & **BS5COB**

LED Cone Reflector **BSRCOB**

Square Louvers **BSLCOB**



Dimensions	
Length (D)	7″ (177mm)
Height (A)	41⅜″ (1,051mm)

The Jemm Lighting EasyLED Bollards with choice of optics are designed to replace HID lighting systems up to 100w MH or HPS. These fixtures are ideal for retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities.

Specifications and Features:

Housing:
Extruded Aluminum Housing with Flush Mounting Base & Vandal-Resistant Screws, Flat Top, Internal Ballast Tray for Easy Maintenance. Bollards Can Be Cut to Custom Lengths Upon Request.

Listing & Ratings:
CSA: Listed for Wet Locations, ANSI/UL 1598, 8750
IP65 Sealed LED Compartment.

Finish:
Textured Architectural Bronze or Black Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.

Style:
IES Type III or V Clear Prismatic Borosilicate Glass Refractor, Specially Designed Aluminum Cone Reflector or Internal Louvers

Lens:
Clear Polycarbonate Vandal-Resistant Lens

Mounting Options:
Mounting Kit with 8″ Anchor Bolts, Included.

EasyLED LED:
Aluminum Boards

Wattage:
Array: 14.5w, System: 17w (70w HID Equivalent)

Driver:
Electronic Driver, 120-277V, 50/60Hz; Dimmable Driver

Warranty:
5-Year Warranty for -40°C to +40°C Environment.

See Page 2 for Projected Lumen Maintenance Table.

Order Information Example: BSLCOBF15U5KZ

Model	Optics	15 Wattage	U Driver	CCT	Color	Height	Options
BS3COB=Square Flat Bollard with IES Type III Glass **BS5COB**=Square Flat Bollard with IES Type V Glass **BSRCOB**=Square Flat Bollard with Cone Reflector **BSLCOB**=Square Flat Bollard with Square Louvers	**C**=Type III* **F**=Wide Beam Spread *BSRCOB Only	15w	**U**=120-277V	**3K**=3000K **4K**=4000K **5K**=5000K	**Z**=Bronze **B**=Black **C**=Custom (Consult Factory)	**(Leave Blank)**= 42" Standard Height **36**=36" Height **30**=30" Height	**SF**=Single Fuse **DF**=Double Fuse **SP**=Surge Protection **BU**=Battery Backup, 90 Minutes

Project Information:

Project Name: | Fixture Type:

Complete Catalog #: | Date:

Comments:

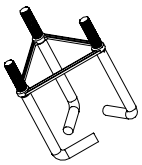
Certification & Listings:

IP65

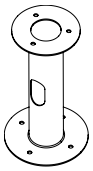
EasyLED Square Flat Bollards

L70 25°C — 147,000 Hours

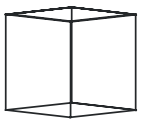
Accessories & Replacement Parts:



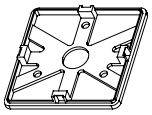
BOLAN



BOLRM



BOLPCS



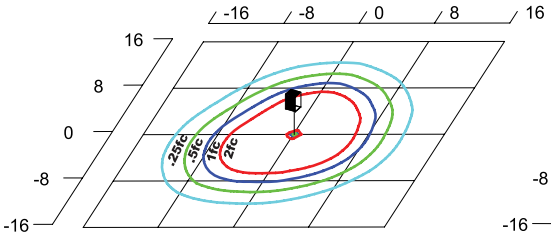
BSBASE

3EBL120277

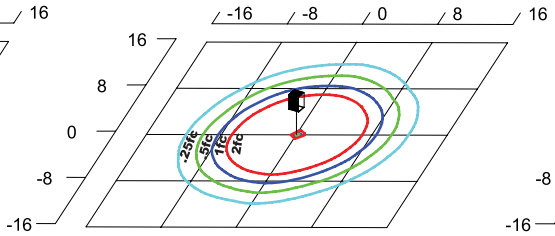
Mounting Accessories (Order separately, Field installed)	
BOLAN4	Mounting Kit, Includes Bracket & Three (3) 4″ Anchor Bolts
BOLAN8	Mounting Kit, Includes Bracket & Three (3) 8″ Anchor Bolts
BOLAN12	Mounting Kit, Includes Bracket & Three (3) 12″ Anchor Bolts
BOLAN15	Mounting Kit, Includes Bracket & Three (3) 15″ Anchor Bolts
BOLRM	Root Mount Kit

Replacement Parts (Order separately, Field installed)	
BOLPCS	Replacement Square Polycarbonate Vandal-Resistant Lens
3EBL120277	Battery Backup, Provides 90 Minutes of Backup Power.
BSBASE*	Die Cast Base Plate with Powdercoat Finish Over a Chromate Conversion Coating.
*Specify Color: Z=Bronze, B=Black	

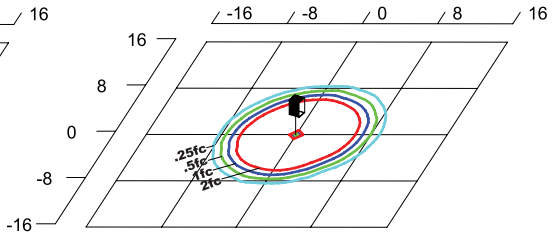
Photometric Data



BS3COB15U5K Type V — Grid in feet, Mounting Height = 3.5 ft.



BS5COBF15U5K Type V — Grid in feet, Mounting Height = 3.5 ft.



BSRCOBF15U5K Type V — Grid in feet, Mounting Height = 3.5 ft.

Photometric Performance

LED Board Watts	Drive Current (mA)	Input Watts	Optics	5000 CCT 80 CRI Lumens	LPW	B	U	G	4000 CCT 80 CRI Lumens	LPW	B	U	G	3000 CCT 80 CRI Lumens	LPW	B	U	G
EasyLED 15w	116	17	BS3COB Type III Glass	1,152	68	1	3	1	1,106	65	1	3	1	1,018	60	1	3	1
			BS5COB Type V Glass	1,125	66	1	3	1	1,080	64	1	3	1	905	64	1	3	1
			BSRCOB Cone Reflector	1,519	89	1	3	1	1,458	86	1	3	1	1,225	72	1	3	1
			BSLCOB Type III Optic	1,081	64	0	3	1	989	58	0	2	1	918	54	0	2	1

Projected Lumen Maintenance

Data shown for 5000 CCT			Compare to MH			
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 25°C
L70 Lumen Maintenance @ 25°C / 77°F	17	1.00	0.95	0.90	0.80	147,000
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 50°C
L70 Lumen Maintenance @ 50°C / 122°F	17	1.00	0.89	0.78	0.55	67,000
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L80@ 40°C
L80 Lumen Maintenance @ 40°C / 104°F	17	1.00	0.92	0.85	0.70	66,000

NOTES:

1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 116mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
2. Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.