

DEN-NEW

Stainless Steel Bollards



Project:	
Type:	
Catalog#:	

The DEN-NEW Bollards with choice of optics are designed to replace HID lighting systems up to 70w 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:

Formed 316L Stainless Steel Housing with Flush Mounting Base & Vandal-Resistant Screws, Domed Top, Internal Ballast Tray for Easy Maintenance.

Listing & Ratings:

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

Style:

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:

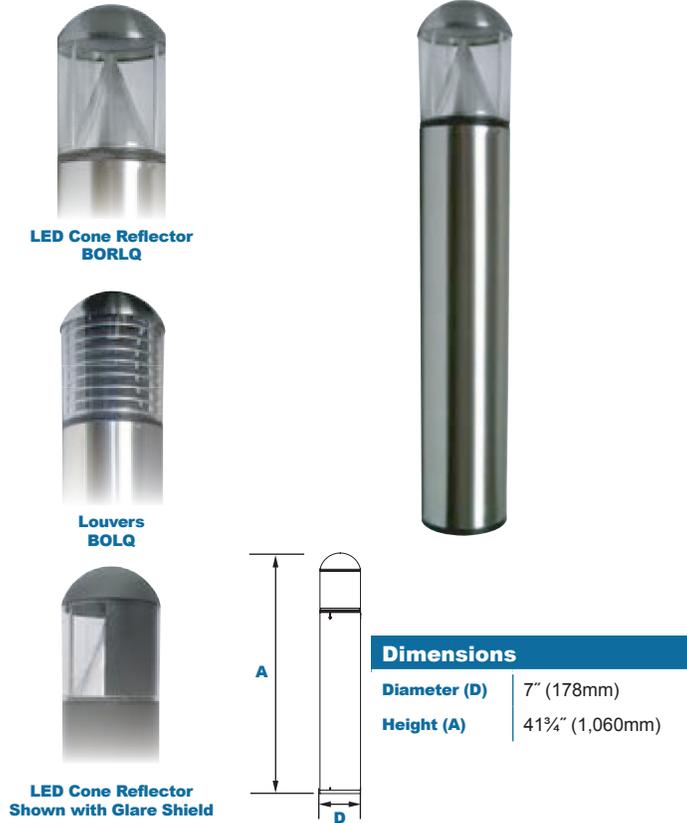
Array: 14.5w, System: 17w (70w HID Equivalent)

Driver:

Electronic Driver, 120-277V, 50/60Hz; 347V, 50/60Hz; Dimmable Driver

Warranty:

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



Dimensions	
Diameter (D)	7" (178mm)
Height (A)	41 3/4" (1,060mm)

Order Information Example:

DEN-NEWBORLQF1X15U5KSS36SF

Model	Optics	Wattage	Driver	CCT	Color	Height	Options
		1X15			SS		

DEN-NEWBORLQ
=Round Dome Bollard with LED Cone Reflector

C=Type III*
F=Wide Beam Spread

1X15=15w

U=120-277V
C=347V

3K=3000K
4K=4000K
5K=5000K

SS=Stainless Steel

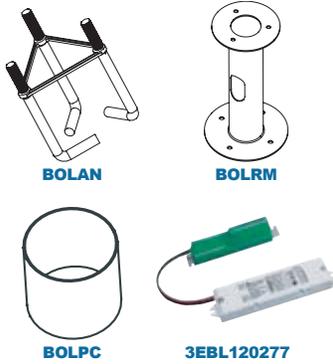
(Leave Blank)=
42" Standard Height
36=36" Height
30=30" Height

SF=Single Fuse
DF=Double Fuse
SP=Surge Protection
GF1=GFCI Outlet, 15A, 120V
GSB=180° Glare Shield, Black
GSZ=180° Glare Shield, Bronze
GSC=180° Glare Shield, Custom Color, Consult Factory
BU=Battery Backup, 90 Minutes

*BORLQ Only

DEN-NEWBOLQ
=Round Dome Bollard with Louvers

Accessories & Replacement Parts:



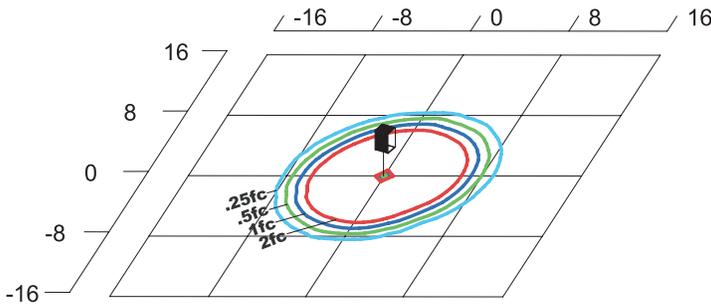
Mounting Accessories (Order separately, Field installed)

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)

BOLPC	Replacement Round Polycarbonate Vandal-Resistant Lens
3EBL120277	Battery Backup, Provides 90 Minutes of Backup Power.

Photometric Data



BORLQF1X15U5K
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					4000 CCT 80 CRI					3000 CCT 80 CRI				
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
15w	116	17	BOL Round Louvers	763	45	1	2	1	733	43	1	2	1	675	40	1	2	1
			BORL Cone Reflector	1,510	89	1	3	1	1,450	85	1	3	1	1,225	72	1	3	1
			BORL 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.