

Evergreen Lighting Bollard Collection



Supermall Seattle WA, Colonnade Series



Apartment Complex, Chicago Illinois
NVD-1 Series Bollards, NVD-2 Series Column Posts

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SITE PHOTOS
COMPANIONS

VOLUME 1

PAGES 9 – 29 SPEC SHEETS

VOLUME 2

PAGES 30 - 48 SPEC SHEETS



Bear Mountain, Victoria BC



ARGENT



CRÉSCENDO



ALTON



ACADIA



SYLVAN



BIRCHWOOD



AVALON



VERBOTEN



CACHE CREEK
LDSCP-BOL37



LPBOL-24L



EVBM



NVD-1



BOL-NOLIGHT



BOL-5RNGS

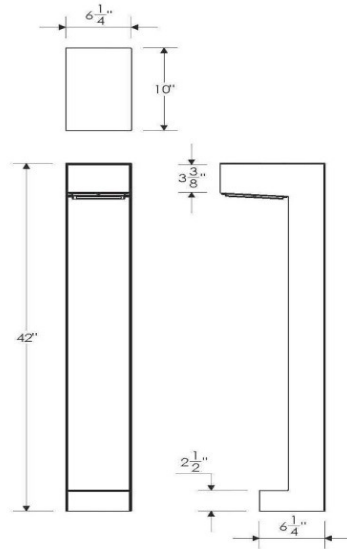
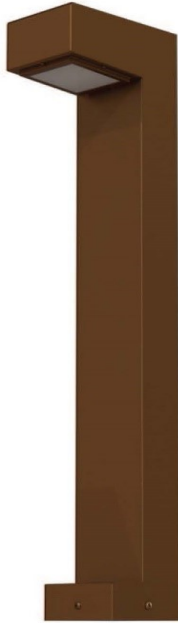


COLUMN/POST
COMPANIONS





ACADIA BOLLARD SERIES



DIMENSIONS: 42"H X 6 1/4"W X 10"D

Catalog #		Type
Project		LED BOLLARD
Comments		
Prepared By		Date

SPECIFICATIONS

Material

All parts are durable .063 solid aluminum sheet fabricated for maximum strength.

Lens

Standard White Frosted Premium Acrylic or Clear Frosted Premium Acrylic

LED

ALTA Long Life, high-efficiency, surface mount LEDs mounted on MPCB Aluminum Boards

Lifespan:

100,000 hour LED lifespan based on IES LM-80 results and TM-21 calculations

Driver

0-10V Dimming Driver for 120/277 volt, Constant Current, metal case, 5 year warranty

Label

ETL Listed for US and Canada for Wet Location

ORDERING INFORMATION

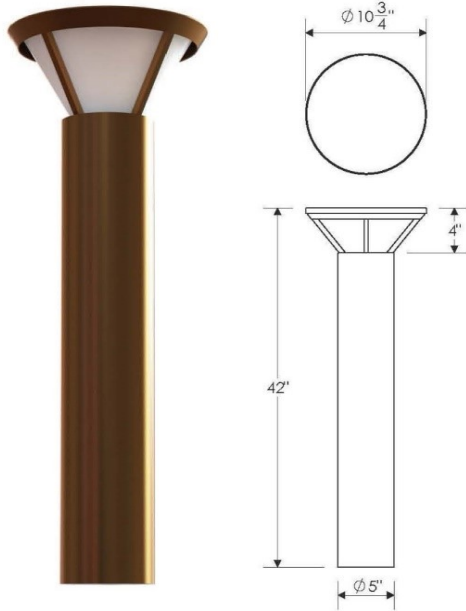
Sample Number: AC-B-32-12W-AB-WF-LEMR

Series	Style	Size	Lamp	Finish	Standard Lens	Options
AC	Bollard	32" 42"	32" 12W 22W 42" 12W 22W	Architectural Bronze (AB) Textured Bronze (TBR) Matte Black (MBK) Semi Gloss Black (GBK) Textured Black (TBK) Textured Rust (TR) Matte White (MW) Textured White (TW) Gloss White (GW) Metallic Grey (MG) Brushed Aluminum (BA) adder Metallic Nickel (MN) Textured Verde Patina (TVP) Satin Brass (SB) Copper Vein (CV) Gold Vein (GV) Silver Vein (SV) Chrome (CH)	White Frosted (WF) Clear Frosted (CFA) Optional Lens White Alabaster (WA) Honey Onyx (HO) Natural Horn (NH) Beige Alabaster (BA) Honey Swirl (HS)	LED EMR - Up to 24W OCC Sensors Photo Cell Control
DELIVERED LUMENS PER WATT						
2700K = 80						
3000K = 90						
3500K = 100						
4100K = 110						
5000K = 120						

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ALCHEMY BOLLARD SERIES



DIMENSIONS: 42"H X 10 3/4"W

Catalog #		Type
Project		LED BOLLARD
Comments		
Prepared By		Date

SPECIFICATIONS

Material

All parts are durable Aluminum Extruded Tube with .080 Spun aluminum Roof with supports fabricated for maximum strength.

Lens

Standard White Frosted Premium Acrylic or Clear Frosted Premium Acrylic

LED

ALTA Long Life, high-efficiency, surface mount LEDs mounted on MPCB Aluminum Boards

Lifespan:

100,000 hour LED lifespan based on IES LM-80 results and TM-21 calculations

Driver

0-10V Dimming Driver for 120/277 volt, Constant Current, metal case, 5 year warranty

Label

ETL Listed for US and Canada for Wet Location

ORDERING INFORMATION

Sample Number: ALC-B-42-36W-AB-WF

Series	Style	Size	Lamp	Finish	Standard Lens	Options
ALC	Bollard	32" 42"	32" 12W 22W 36W 42" 12W 22W	Architectural Bronze (AB) Textured Bronze (TBR) Matte Black (MBK) Semi Gloss Black (GBK) Textured Black (TBK) Textured Rust (TR) Matte White (MW) Textured White (TW) Gloss White (GW) Metallic Grey (MG) Brushed Aluminum (BA) adder Metallic Nickel (MN) Textured Verde Patina (TVP) Satin Brass (SB) Copper Vein (CV) Gold Vein (GV) Silver Vein (SV) Chrome (CH)	White Frosted (WF) Clear Frosted (CFA) Optional Lens White Alabaster (WA) Honey Onyx (HO) Natural Horn (NH) Beige Alabaster (BA) Honey Swirl (HS)	LED EMR - Up to 24W OCC Sensors Photo Cell Control

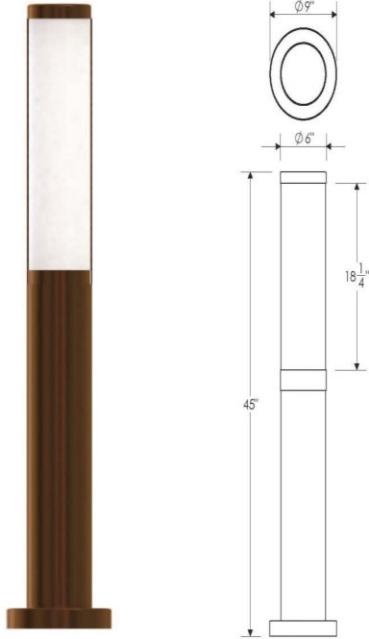
DELIVERED LUMENS PER WATT

2700K = 80
3000K = 90
3500K = 100
4100K = 110
5000K = 120

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ALTON BOLLARD SERIES



DIMENSIONS: 45"H X 6"W

Catalog #		Type
Project		LED BOLLARD
Comments		
Prepared By		Date

SPECIFICATIONS

Material

All parts are durable Aluminum Extruded Tube with .080 Spun aluminum Roof Cap with supports fabricated for maximum strength.

Lens

Standard White Frosted Premium Acrylic or Clear Frosted Premium Acrylic

LED

ALTA Long Life, high-efficiency, surface mount LEDs mounted on MPCB Aluminum Boards

Lifespan:

100,000 hour LED lifespan based on IES LM-80 results and TM-21 calculations

Driver

0-10V Dimming Driver for 120/277 volt, Constant Current, metal case, 5 year warranty

Label

ETL Listed for US and Canada for Wet Location

ORDERING INFORMATION

Sample Number: ALT-B-45-48W-AB-WF

Series	Style	Size	Lamp	Finish	Standard Lens	Options
ALT	Bollard	36" 45"	36" 24W 48W 45" 24W 48W	Architectural Bronze (AB) Textured Bronze (TBR) Matte Black (MBK) Semi Gloss Black (GBK) Textured Black (TBK) Textured Rust (TR) Matte White (MW) Textured White (TW) Gloss White (GW) Metallic Grey (MG) Brushed Aluminum (BA) adder Metallic Nickel (MN) Textured Verde Patina (TVP) Satin Brass (SB) Copper Vein (CV) Gold Vein (GV) Silver Vein (SV) Chrome (CH)	White Frosted (WF) Clear Frosted (CFA) Optional Lens White Alabaster (WA) Honey Onyx (HO) Natural Horn (NH) Beige Alabaster (BA) Honey Swirl (HS)	LED EMR - Up to 24W OCC Sensors Photo Cell Control

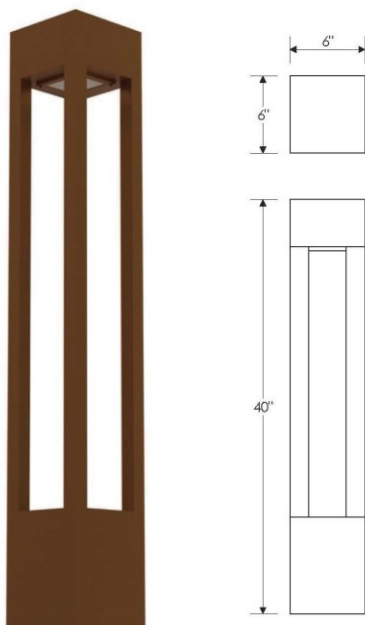
DELIVERED LUMENS PER WATT

2700K = 80
3000K = 90
3500K = 100
4100K = 110
5000K = 120

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ARGENT BOLLARD SERIES



DIMENSIONS: 40"H X 6"W

Catalog #		Type
Project		LED BOLLARD
Comments		
Prepared By		Date

SPECIFICATIONS

Material

All parts are durable Aluminum Square Solid Bar with .063 solid aluminum sheet fabricated for maximum strength.

Lens

Standard White Frosted Premium Acrylic or Clear Frosted Premium Acrylic

LED

ALTA Long Life, high-efficiency, surface mount LEDs mounted on MPCB Aluminum Boards

Lifespan:

100,000 hour LED lifespan based on IES LM-80 results and TM-21 calculations

Driver

0-10V Dimming Driver for 120/277 volt, Constant Current, metal case, 5 year warranty

Label

ETL Listed for US and Canada for

ORDERING INFORMATION

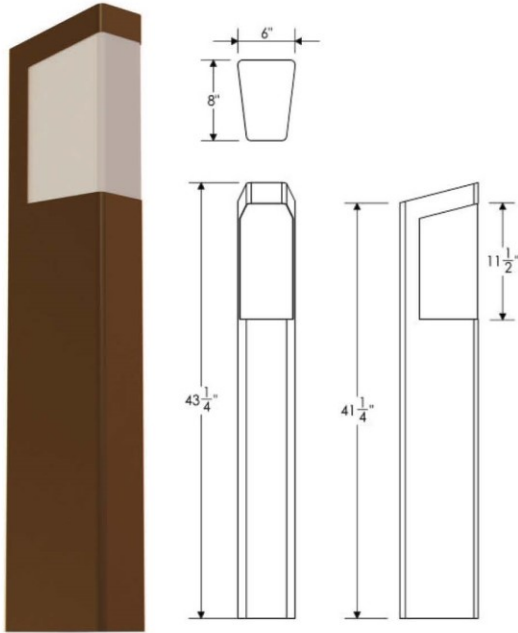
Sample Number: ARG-B-40-22W-AB-WF

Series	Style	Size	Lamp	Finish	Standard Lens	Options
ARG	Bollard	32" 40"	32" 12W 20W 40" 12W 20W	Architectural Bronze (AB) Textured Bronze (TBR) Matte Black (MBK) Semi Gloss Black (GBK) Textured Black (TBK) Textured Rust (TR) Matte White (MW) Textured White (TW) Gloss White (GW) Metallic Grey (MG) Brushed Aluminum (BA) adder Metallic Nickel (MN) Textured Verde Patina (TVP) Satin Brass (SB) Copper Vein (CV) Gold Vein (GV) Silver Vein (SV) Chrome (CH)	White Frosted (WF) Clear Frosted (CFA) Optional Lens White Alabaster (WA) Honey Onyx (HO) Natural Horn (NH) Beige Alabaster (BA) Honey Swirl (HS)	LED EMR - Up to 24W OCC Sensors Photo Cell Control
DELIVERED LUMENS PER WATT						
2700K = 80						
3000K = 90						
3500K = 100						
4100K = 110						
5000K = 120						
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ASHBURY BOLLARD SERIES

Catalog #		Type
Project		LED BOLLARD
Comments		
Prepared By		Date



DIMENSIONS: 43 1/4"H X 6"W

SPECIFICATIONS

Material

All parts are Durable .063 Construction with Lazer cutout and supports fabricated for maximum strength.

Lens

Standard White Frosted Premium Acrylic or Clear Frosted Premium Acrylic

LED

ALTA Long Life, high-efficiency, surface mount LEDs mounted on MPCB Aluminum Boards

Lifespan:

100,000 hour LED lifespan based on IES LM-80 results and TM-21 calculations

Driver

0-10V Dimming Driver for 120/277 volt, Constant Current, Metal Case, 5 year warranty

Label

ETL Listed for US and Canada for Wet Location

ORDERING INFORMATION

Sample Number: ASH-B-43-22W-AB-WF

Series	Style	Size	Lamp	Finish	Standard Lens	Options
ASH	Bollard	32"	12W	Architectural Bronze (AB)	White Frosted (WF)	LED EMR - Up to 24W
		43"	22W	Textured Bronze (TBR)	Clear Frosted (CFA)	OCC Sensors
				Matte Black (MBK)		Photo Cell Control
				Semi Gloss Black (GBK)		
				Textured Black (TBK)		
				Textured Rust (TR)		
				Matte White (MW)		
				Textured White (TW)		
				Gloss White (GW)		
				Metallic Grey (MG)		
				Brushed Aluminum (BA)		
				adder		
				Metallic Nickel (MN)		
				Textured Verde Patina (TVP)		
				Satin Brass (SB)		
				Copper Vein (CV)		
				Gold Vein (GV)		
				Silver Vein (SV)		
				Chrome (CH)		

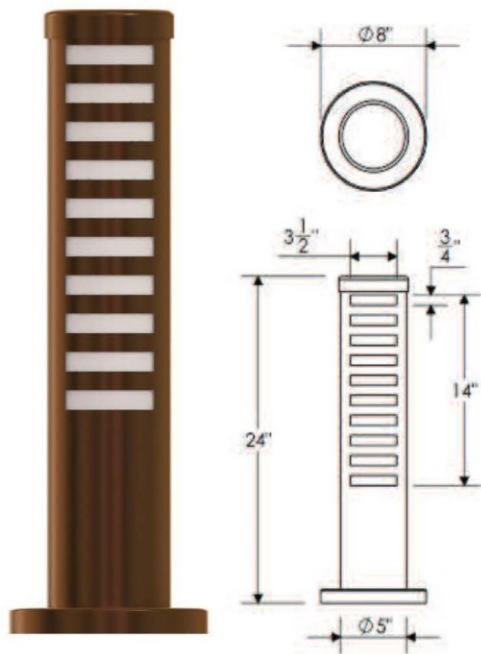
DELIVERED LUMENS PER WATT

2700K = 80
3000K = 90
3500K = 100
4100K = 110
5000K = 120

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AVALON BOLLARD SERIES



DIMENSIONS: 24"H X 5"W

Catalog #		Type
Project		LED BOLLARD
Comments		
Prepared By		Date

SPECIFICATIONS

Material

All parts are Durable .063 Aluminum along with Aluminum Tube Construction with Overlay Aluminum Roof with supports fabricated for maximum strength.

Lens

Standard White Frosted Premium Acrylic or Clear Frosted Premium Acrylic behind of slots on 1 side of Aluminum Tube

LED

ALTA Long Life, high-efficiency, surface mount LEDs mounted on MPCB Aluminum Boards

Lifespan:

100,000 hour LED lifespan based on IES LM-80 results and TM-21 calculations

Driver

0-10V Dimming Driver for 120/277 volt, Constant Current, Metal Case, 5 year warranty

Label

ETL Listed for US and Canada for Wet Location

ORDERING INFORMATION

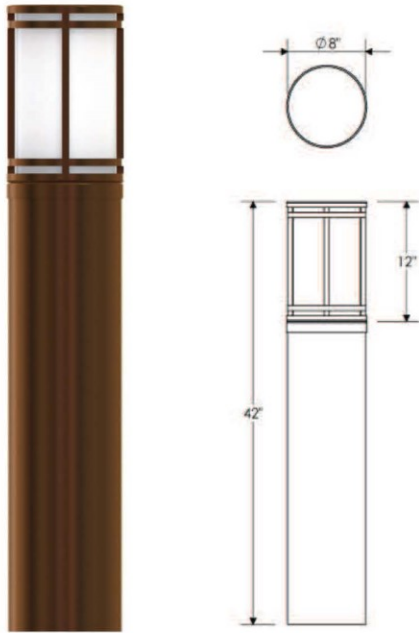
Sample Number: AVA-B-24-22W-AB-WF

Series	Style	Size	Lamp	Finish	Standard Lens	Options
AVA	Bollard	24"	12W 22W	Architectural Bronze (AB) Textured Bronze (TBR) Matte Black (MBK) Semi Gloss Black (GBK) Textured Black (TBK) Textured Rust (TR) Matte White (MW) Textured White (TW) Gloss White (GW) Metallic Grey (MG) Brushed Aluminum (BA)	White Frosted (WF) Clear Frosted (CFA)	LED EMR - Up to 24W OCC Sensors Photo Cell Control
		36"	12W 22W 36W	add: Metallic Nickel (MN) Textured Verde Patina (TVP) Satin Brass (SB) Copper Vein (CV) Gold Vein (GV) Silver Vein (SV) Chrome (CH)	Optional Lens White Alabaster (WA) Honey Onyx (HO) Natural Horn (NH) Beige Alabaster (BA) Honey Swirl (HS)	
DELIVERED LUMENS PER WATT						
2700K = 80						
3000K = 90						
3500K = 100						
4100K = 110						
5000K = 120						

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BALDWIN BOLLARD SERIES



DIMENSIONS: 42"H X 8"W

Catalog #		Type
Project		LED BOLLARD
Comments		
Prepared By		Date

SPECIFICATIONS

Material

All parts are durable Aluminum Extruded Tube with .080 Spun aluminum Roof with Square Solid Aluminum Bar design fabricated for maximum strength.

Lens

Standard White Frosted Premium Acrylic or Clear Frosted Premium Acrylic

LED

ALTA Long Life, high-efficiency, surface mount LEDs mounted on MPCB Aluminum Boards

Lifespan:

100,000 hour LED lifespan based on IES LM-80 results and TM-21 calculations

Driver

0-10V Dimming Driver for 120/277 volt, Constant Current, metal case, 5 year warranty

Label

ETL Listed for US and Canada for Wet Location

ORDERING INFORMATION

Sample Number: BAL-B-42-36W-AB-WF

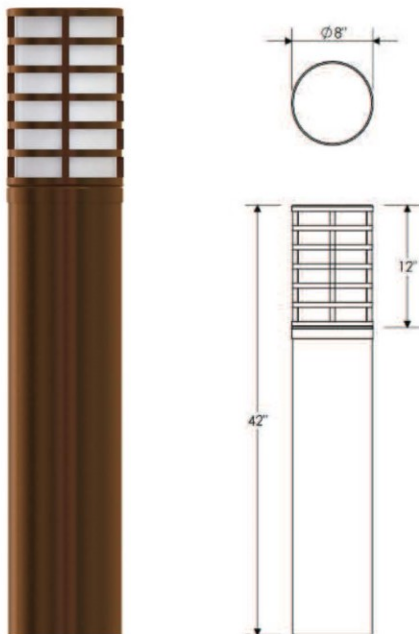
Series	Style	Size	Lamp	Finish	Standard Lens	Options
BAL	Bollard	30" 42"	30" 12W 24W 36W 42" 12W 24W 36W	Architectural Bronze (AB) Textured Bronze (TBR) Matte Black (MBK) Semi Gloss Black (GBK) Textured Black (TBK) Textured Rust (TR) Matte White (MW) Textured White (TW) Gloss White (GW) Metallic Grey (MG) Brushed Aluminum (BA) adder Metallic Nickel (MN) Textured Verde Patina (TVP) Satin Brass (SB) Copper Vein (CV) Gold Vein (GV) Silver Vein (SV) Chrome (CH)	White Frosted (WF) Clear Frosted (CFA) Optional Lens White Alabaster (WA) Honey Onyx (HO) Natural Horn (NH) Beige Alabaster (BA) Honey Swirl (HS)	LED EMR - Up to 24W OCC Sensors Photo Cell Control

DELIVERED LUMENS PER WATT
 2700K = 80
 3000K = 90
 3500K = 100
 4100K = 110
 5000K = 120

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BAYVIEW BOLLARD SERIES



DIMENSIONS: 42"H X 8"W

Catalog #		Type
Project		LED BOLLARD
Comments		
Prepared By		Date

SPECIFICATIONS

Material

All parts are durable Aluminum Extruded Tube with .080 Spun aluminum Roof with Square Solid Aluminum Bar design fabricated for maximum strength.

Lens

Standard White Frosted Premium Acrylic or Clear Frosted Premium Acrylic

LED

ALTA Long Life, high-efficiency, surface mount LEDs mounted on MPCB Aluminum Boards

Lifespan:

100,000 hour LED lifespan based on IES LM-80 results and TM-21 calculations

Driver

0-10V Dimming Driver for 120/277 volt, Constant Current, metal case, 5 year warranty

Label

ETL Listed for US and Canada for Wet Location

ORDERING INFORMATION

Sample Number: BAY-B-42-36W-AB-WF

Series	Style	Size	Lamp	Finish	Standard Lens	Options
BAY	Bollard	30" 42"	30" 12W 24W 36W 42" 12W 24W 36W	Architectural Bronze (AB) Textured Bronze (TBR) Matte Black (MBK) Semi Gloss Black (GBK) Textured Black (TBK) Textured Rust (TR) Matte White (MW) Textured White (TW) Gloss White (GW) Metallic Grey (MG) Brushed Aluminum (BA) adder Metallic Nickel (MN) Textured Verde Patina (TVP) Satin Brass (SB) Copper Vein (CV) Gold Vein (GV) Silver Vein (SV) Chrome (CH)	White Frosted (WF) Clear Frosted (CFA) Optional Lens White Alabaster (WA) Honey Onyx (HO) Natural Horn (NH) Beige Alabaster (BA) Honey Swirl (HS)	LED EMR - Up to 24W OCC Sensors Photo Cell Control

DELIVERED LUMENS PER WATT
 2700K = 80
 3000K = 90
 3500K = 100
 4100K = 110
 5000K = 120

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BELMONT BOLLARD SERIES



DIMENSIONS: 42"H X 8"W

Catalog #		Type
Project		LED BOLLARD
Comments		
Prepared By		Date

SPECIFICATIONS

Material

All parts are durable Aluminum Extruded Tube with .080 Spun aluminum Roof with supports fabricated for maximum strength.

Lens

Standard White Frosted Premium Acrylic or Clear Frosted Premium Acrylic

LED

ALTA Long Life, high-efficiency, surface mount LEDs mounted on MPCB Aluminum Boards

Lifespan:

100,000 hour LED lifespan based on IES LM-80 results and TM-21 calculations

Driver

0-10V Dimming Driver for 120/277 volt, Constant Current, metal case, 5 year warranty

Label

ETL Listed for US and Canada for Wet Location

ORDERING INFORMATION

Sample Number: BEL-B-42-36W-AB-WF

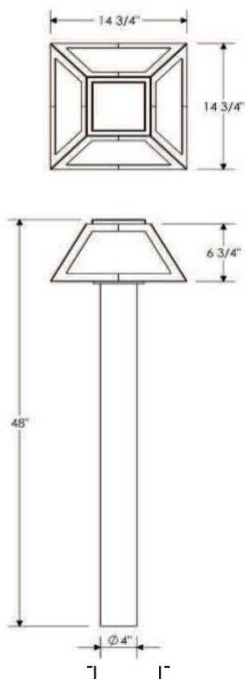
Series	Style	Size	Lamp	Finish	Standard Lens	Options
BEL	Bollard	30" 42"	30" 12W 24W 36W 42" 12W 24W 36W	Architectural Bronze (AB) Textured Bronze (TBR) Matte Black (MBK) Semi Gloss Black (GBK) Textured Black (TBK) Textured Rust (TR) Matte White (MW) Textured White (TW) Gloss White (GW) Metallic Grey (MG) Brushed Aluminum (BA) adder Metallic Nickel (MN) Textured Verde Patina (TVP) Satin Brass (SB) Copper Vein (CV) Gold Vein (GV) Silver Vein (SV) Chrome (CH)	White Frosted (WF) Clear Frosted (CFA) Optional Lens White Alabaster (WA) Honey Onyx (HO) Natural Horn (NH) Beige Alabaster (BA) Honey Swirl (HS)	LED EMR - Up to 24W OCC Sensors Photo Cell Control

DELIVERED LUMENS PER WATT
 2700K = 80
 3000K = 90
 3500K = 100
 4100K = 110
 5000K = 120

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BERWICK BOLLARD SERIES



DIMENSIONS: 48"H X 14 3/4"W

		LED
		BOLLARD

SPECIFICATIONS

Material

All parts are Durable Aluminum Extruded Tube with Aluminum Roof with supports fabricated for maximum strength.

Lens

Standard White Frosted Premium Acrylic or Clear Frosted Premium Acrylic

LED

ALTA Long Life, high-efficiency, surface mount LEDs mounted on MPCB Aluminum Boards

Lifespan:

100,000 hour LED lifespan based on IES LM-80 results and TM-21 calculations

Driver

0-10V Dimming Driver for 120/277 volt, Constant Current, Metal Case, 5 year warranty

Label

ETL Listed for US and Canada for Wet Location

ORDERING INFORMATION

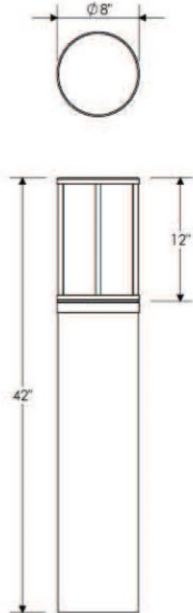
Sample Number: BER-B-48-36W-AB-WF

Series	Style	Size	Lamp	Finish	Standard Lens	Options
BER	Bollard	32" 48"	32" 12W 22W 36W 48" 12W 22W 36W	Architectural Bronze(AB) Textured Bronze (TBR) Matte Black (MBK) Semi Gloss Black (GBK) Textured Black (TBK) Textured Rust(TR) Matte White (MW) Textured White(TW) Gloss White (GW) Metallic Grey (MG) Brushed Aluminum (BA) adder Metallic Nickel (MN) Textured Verde Patina (TVP) Satin Brass (SB) Copper Vein (CV) Gold Vein (GV) Silver Vein (SV) Chrome (CH)	White Frosted (WF) Clear Frosted (CFA) Optional Lens White Alabaster (WA) Honey Onyx (HO) Natural Horn (NH) Beige Alabaster (BA) Honey Swirl (HS)	LED EMR - Up to 24W OCC Sensors Photo Cell Control
DELIVERED LUMENS PER WATT						
		2700K = 80				
		3000K = 90				
		3500K = 100				
		4100K = 110				
		5000K = 120				

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BIRCHWOOD BOLLARD SERIES



DIMENSIONS: 42"H X 8"W

Catalog #		Type
Project		LED BOLLARD
Comments		
Prepared By		Date

SPECIFICATIONS

Material

All parts are durable Aluminum Extruded Tube with .080 Spun aluminum Roof with supports fabricated for maximum strength.

Lens

Standard White Frosted Premium Acrylic or Clear Frosted Premium Acrylic

LED

ALTA Long Life, high-efficiency, surface mount LEDs mounted on MPCB Aluminum Boards

Lifespan:

100,000 hour LED lifespan based on IES LM-80 results and TM-21 calculations

Driver

0-10V Dimming Driver for 120/277 volt, Constant Current, metal case, 5 year warranty

Label

ETL Listed for US and Canada for Wet Location

ORDERING INFORMATION

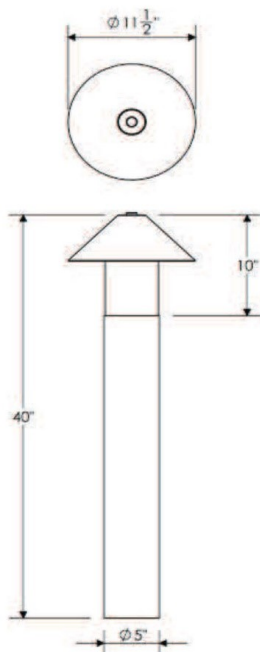
Sample Number: BIR-B-42-36W-AB-WF

Series	Style	Size	Lamp	Finish	Standard Lens	Options
BIR	Bollard	30"	12W 24W 36W	Architectural Bronze (AB) Textured Bronze (TBR) Matte Black (MBK) Semi Gloss Black (GBK) Textured Black (TBK) Textured Rust (TR) Matte White (MW) Textured White (TW) Gloss White (GW) Metallic Grey (MG) Brushed Aluminum (BA)	White Frosted (WF) Clear Frosted (CFA)	LED EMR - Up to 24W OCC Sensors Photo Cell Control
		42"	12W 24W 36W	adder Metallic Nickel (MN) Textured Verde Patina (TVP) Satin Brass (SB) Copper Vein (CV) Gold Vein (GV) Silver Vein (SV) Chrome (CH)	Optional Lens White Alabaster (WA) Honey Onyx (HO) Natural Horn (NH) Beige Alabaster (BA) Honey Swirl (HS)	
DELIVERED LUMENS PER WATT						
2700K = 80						
3000K = 90						
3500K = 100						
4100K = 110						
5000K = 120						

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BRADFORD BOLLARD SERIES



DIMENSIONS: 40"H X 11 1/2"W

Catalog #		Type
Project		LED BOLLARD
Comments		
Prepared By		Date

SPECIFICATIONS

Material

All parts are durable Aluminum Extruded Tube with .080 Spun aluminum Roof with supports fabricated for maximum strength.

Lens

Standard White Frosted Premium Acrylic or Clear Frosted Premium Acrylic

LED

ALTA Long Life, high-efficiency, surface mount LEDs mounted on MPCB Aluminum Boards

Lifespan:

100,000 hour LED lifespan based on IES LM-80 results and TM-21 calculations

Driver

0-10V Dimming Driver for 120/277 volt, Constant Current, metal case, 5 year warranty

Label

ETL Listed for US and Canada for Wet Location

ORDERING INFORMATION

Sample Number: BRA-B-40-36W-AB-WF

Series	Style	Size	Lamp	Finish	Standard Lens	Options
BRA	Bollard	30"	12W	Architectural Bronze (AB)	White Frosted (WF)	LED EMR - Up to 24W
		40"	24W	Textured Bronze (TBR)	Clear Frosted (CFA)	OCC Sensors
			36W	Matte Black (MBK)		Photo Cell Control
				Semi Gloss Black (GBK)		
				Textured Black (TBK)		
				Textured Rust (TR)		
				Matte White (MW)		
				Textured White (TW)		
				Gloss White (GW)		
				Metallic Grey (MG)		
				Brushed Aluminum (BA)		
				adder		
				Metallic Nickel (MN)		
				Textured Verde Patina (TVP)		
				Satin Brass (SB)		
				Copper Vein (CV)		
				Gold Vein (GV)		
				Silver Vein (SV)		
				Chrome (CH)		

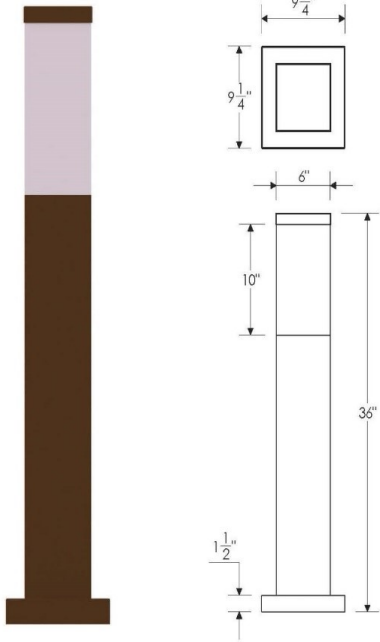
DELIVERED LUMENS PER WATT

2700K = 80
3000K = 90
3500K = 100
4100K = 110
5000K = 120

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COLONNADE BOLLARD SERIES



DIMENSIONS: 36"H X 6"W

Catalog #		Type
Project		LED BOLLARD
Comments		
Prepared By		Date

SPECIFICATIONS

Material

All parts are durable Aluminum Extruded Square Tube with .080 Square aluminum Roof Cap, with supports fabricated for maximum strength.

Lens

Standard White Frosted Premium Acrylic or Clear Frosted Premium Acrylic

LED

ALTA Long Life, high-efficiency, surface mount LEDs mounted on MPCB Aluminum Boards

Lifespan:

100,000 hour LED lifespan based on IES LM-80 results and TM-21 calculations

Driver

0-10V Dimming Driver for 120/277 volt, Constant Current, metal case, 5 year warranty

Label

ETL Listed for US and Canada for Wet Location

ORDERING INFORMATION

Sample Number: COL-B-36-48W-AB-WF

Series	Style	Size	Lamp	Finish	Standard Lens	Options
COL	Bollard	36" 45"	36" 24W 48W 45" 24W 48W	Architectural Bronze (AB) Textured Bronze (TBR) Matte Black (MBK) Semi Gloss Black (GBK) Textured Black (TBK) Textured Rust (TR) Matte White (MW) Textured White (TW) Gloss White (GW) Metallic Grey (MG) Brushed Aluminum (BA) adder Metallic Nickel (MN) Textured Verde Patina (TVP) Satin Brass (SB) Copper Vein (CV) Gold Vein (GV) Silver Vein (SV) Chrome (CH)	White Frosted (WF) Clear Frosted (CFA) Optional Lens White Alabaster (WA) Honey Onyx (HO) Natural Horn (NH) Beige Alabaster (BA) Honey Swirl (HS)	LED EMR - Up to 24W OCC Sensors Photo Cell Control

DELIVERED LUMENS PER WATT

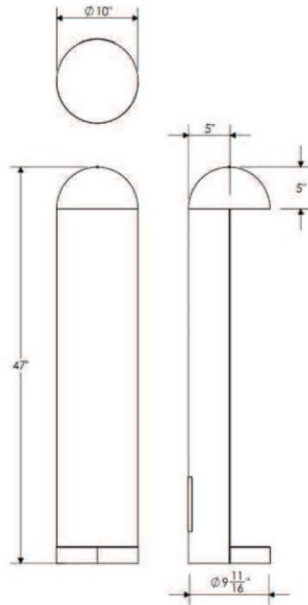
2700K = 80
3000K = 90
3500K = 100
4100K = 110
5000K = 120

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CRESCENDO BOLLARD SERIES

Catalog #		Type
Project		LED BOLLARD
Comments		
Prepared By		Date



DIMENSIONS: 47"H X 10"W

SPECIFICATIONS

Material

All parts are Durable .063 Aluminum with Spun Aluminum Roof with supports fabricated for maximum strength.

Lens

Standard White Frosted Premium Acrylic or Clear Frosted Premium Acrylic

LED

ALTA Long Life, high-efficiency, surface mount LEDs mounted on MPCB Aluminum Boards

Lifespan:

100,000 hour LED lifespan based on IES LM-80 results and TM-21 calculations

Driver

0-10V Dimming Driver for 120/277 volt, Constant Current, Metal Case, 5 year warranty

Label

ETL Listed for US and Canada for Wet Location

ORDERING INFORMATION

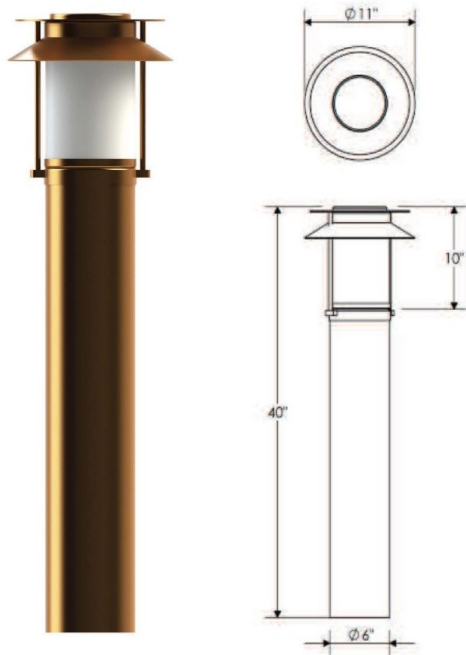
Sample Number: CRE-B-47-22W-AB-WF

Series	Style	Size	Lamp	Finish	Standard Lens	Options
CRE	Bollard	32" X 10" 47" X 10"	32" 12W 22W 47" 12W 22W	Architectural Bronze (AB) Textured Bronze (TBR) Matte Black (MBK) Semi Gloss Black (GBK) Textured Black (TBK) Textured Rust (TR) Matte White (MW) Textured White (TW) Gloss White (GW) Metallic Grey (MG) Brushed Aluminum (BA) adder Metallic Nickel (MN) Textured Verde Patina (TVP) Satin Brass (SB) Copper Vein (CV) Gold Vein (GV) Silver Vein (SV) Chrome (CH)	White Frosted (WF) Clear Frosted (CFA) Optional Lens White Alabaster (WA) Honey Onyx (HO) Natural Horn (NH) Beige Alabaster (BA) Honey Swirl (HS)	LED EMR - Up to 24W OCC Sensors Photo Cell Control
DELIVERED LUMENS PER WATT						
2700K = 80						
3000K = 90						
3500K = 100						
4100K = 110						
5000K = 120						

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FENWICK BOLLARD SERIES



DIMENSIONS: 40"H X 11"W

Catalog #		Type
Project		LED BOLLARD
Comments		
Prepared By		Date

SPECIFICATIONS

Material

All parts are durable Aluminum Extruded Tube with .080 Spun aluminum Roof with supports fabricated for maximum strength.

Lens

Standard White Frosted Premium Acrylic or Clear Frosted Premium Acrylic

LED

ALTA Long Life, high-efficiency, surface mount LEDs mounted on MPCB Aluminum Boards

Lifespan:

100,000 hour LED lifespan based on IES LM-80 results and TM-21 calculations

Driver

0-10V Dimming Driver for 120/277 volt, Constant Current, metal case, 5 year warranty

Label

ETL Listed for US and Canada for Wet Location

ORDERING INFORMATION

Sample Number: FEN-B-40-36W-AB-WF

Series	Style	Size	Lamp	Finish	Standard Lens	Options
FEN	Bollard	40"	32"	Architectural Bronze (AB)	White Frosted (WF)	LED EMR - Up to 24W
			12W	Textured Bronze (TBR)	Clear Frosted (CFA)	OCC Sensors
			22W	Matte Black (MBK)		Photo Cell Control
			36W	Semi Gloss Black (GBK)		
			40"	Textured Black (TBK)		
			12W	Textured Rust (TR)		
			22W	Matte White (MW)		
			36W	Textured White (TW)		
				Gloss White (GW)		
				Metallic Grey (MG)		
				Brushed Aluminum (BA)		
				adder		
				Metallic Nickel (MN)		
				Textured Verde Patina (TVP)		
				Satin Brass (SB)		
				Copper Vein (CV)		
				Gold Vein (GV)		
				Silver Vein (SV)		
				Chrome (CH)		
					Optional Lens	
					White Alabaster (WA)	
					Honey Onyx (HO)	
					Natural Horn (NH)	
					Beige Alabaster (BA)	
					Honey Swirl (HS)	

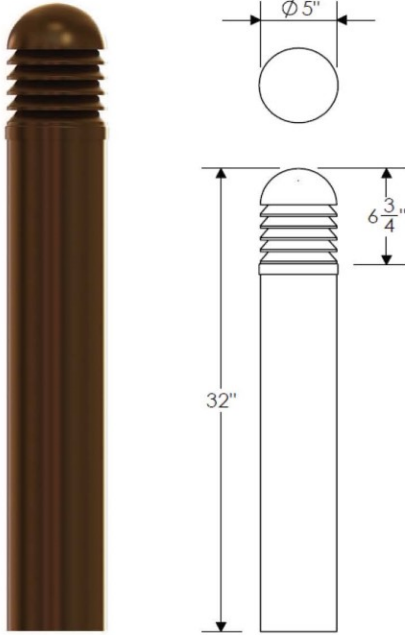
DELIVERED LUMENS PER WATT

2700K = 80
3000K = 90
3500K = 100
4100K = 110
5000K = 120

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STRATUS BOLLARD SERIES



DIMENSIONS: 32"H X 5"W

Catalog #		Type
Project		LED BOLLARD
Comments		
Prepared By		Date

SPECIFICATIONS

Material

All parts are durable Aluminum Extruded Square Tube with Spun Aluminum Roof Cap, Aluminum louvers for Down light, with supports fabricated for maximum strength.

Lens

Standard White Frosted Premium Acrylic or Clear Frosted Premium Acrylic

LED

ALTA Long Life, high-efficiency, surface mount LEDs mounted on MPCB Aluminum Boards

Lifespan:

100,000 hour LED lifespan based on IES LM-80 results and TM-21 calculations

Driver

0-10V Dimming Driver for 120/277 volt, Constant Current, metal case, 5 year warranty

Label

ETL Listed for US and Canada for

ORDERING INFORMATION

Sample Number: STR-B-32-24W-AB-WF

Series	Style	Size	Lamp	Finish	Standard Lens	Options
STR	Bollard	24" 32"	24" 12W 24W 32" 12W 24W	Architectural Bronze (AB) Textured Bronze (TBR) Matte Black (MBK) Semi Gloss Black (GBK) Textured Black (TBK) Textured Rust (TR) Matte White (MW) Textured White (TW) Gloss White (GW) Metallic Grey (MG) Brushed Aluminum (BA) adder Metallic Nickel (MN) Textured Verde Patina (TVP) Satin Brass (SB) Copper Vein (CV) Gold Vein (GV) Silver Vein (SV) Chrome (CH)	White Frosted (WF) Clear Frosted (CFA) Optional Lens White Alabaster (WA) Honey Onyx (HO) Natural Horn (NH) Beige Alabaster (BA) Honey Swirl (HS)	LED EMR - Up to 24W OCC Sensors Photo Cell Control

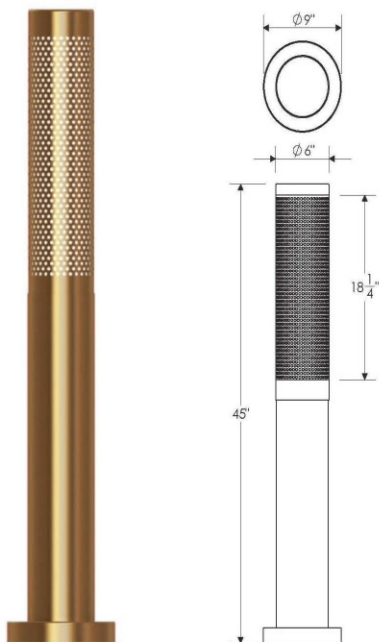
DELIVERED LUMENS PER WATT

2700K = 80
3000K = 90
3500K = 100
4100K = 110
5000K = 120

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SULLY BOLLARD SERIES



DIMENSIONS: 45"H X 6"W

Catalog #		Type
Project		LED BOLLARD
Comments		
Prepared By		Date

SPECIFICATIONS

Material

All parts are durable Aluminum Extruded Tube with .080 Spun aluminum Roof Cap, 360 Degree Perforated Shield, with supports fabricated for maximum strength.

Lens

Standard White Frosted Premium Acrylic or Clear Frosted Premium Acrylic

LED

ALTA Long Life, high-efficiency, surface mount LEDs mounted on MPCB Aluminum Boards

Lifespan:

100,000 hour LED lifespan based on IES LM-80 results and TM-21 calculations

Driver

0-10V Dimming Driver for 120/277 volt, Constant Current, metal case, 5 year warranty

Label

ETL Listed for US and Canada for

ORDERING INFORMATION

Sample Number: SUL-B-45-48W-AB-WF

Series	Style	Size	Lamp	Finish	Standard Lens	Options
SUL	Bollard	36" 45"	36" 24W 48W 45" 24W 48W	Architectural Bronze (AB) Textured Bronze (TBR) Matte Black (MBK) Semi Gloss Black (GBK) Textured Black (TBK) Textured Rust (TR) Matte White (MW) Textured White (TW) Gloss White (GW) Metallic Grey (MG) Brushed Aluminum (BA) adder Metallic Nickel (MN) Textured Verde Patina (TVP) Satin Brass (SB) Copper Vein (CV) Gold Vein (GV) Silver Vein (SV) Chrome (CH)	White Frosted (WF) Clear Frosted (CFA) Optional Lens White Alabaster (WA) Honey Onyx (HO) Natural Horn (NH) Beige Alabaster (BA) Honey Swirl (HS)	LED EMR - Up to 24W OCC Sensors Photo Cell Control

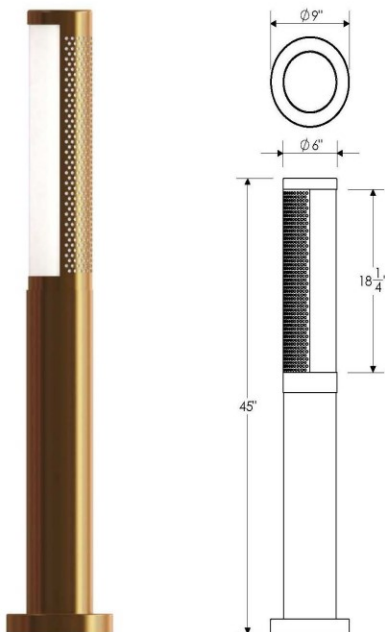
DELIVERED LUMENS PER WATT

2700K = 80
3000K = 90
3500K = 100
4100K = 110
5000K = 120

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SULLY HALF BOLLARD SERIES



DIMENSIONS: 45"H X 6"W

Catalog #		Type
Project		LED BOLLARD
Comments		
Prepared By		Date

SPECIFICATIONS

Material

All parts are durable Aluminum Extruded Tube with .080 Spun aluminum Roof Cap, 180 Degree Perforated Shield, with supports fabricated for maximum strength.

Lens

Standard White Frosted Premium Acrylic or Clear Frosted Premium Acrylic

LED

ALTA Long Life, high-efficiency, surface mount LEDs mounted on MPCB Aluminum Boards

Lifespan:

100,000 hour LED lifespan based on IES LM-80 results and TM-21 calculations

Driver

0-10V Dimming Driver for 120/277 volt, Constant Current, metal case, 5 year warranty

Label

ETL Listed for US and Canada for

ORDERING INFORMATION

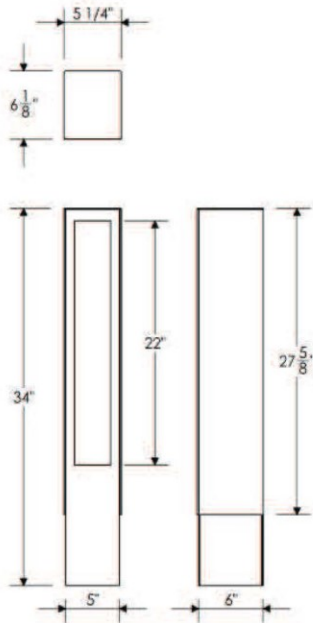
Sample Number: SUH-B-45-48W-AB-WF

Series	Style	Size	Lamp	Finish	Standard Lens	Options
SUH	Bollard	36" 45"	36" 24W 48W 45" 24W 48W	Architectural Bronze (AB) Textured Bronze (TBR) Matte Black (MBK) Semi Gloss Black (GBK) Textured Black (TBK) Textured Rust (TR) Matte White (MW) Textured White (TW) Gloss White (GW) Metallic Grey (MG) Brushed Aluminum (BA) adder Metallic Nickel (MN) Textured Verde Patina (TVP) Satin Brass (SB) Copper Vein (CV) Gold Vein (GV) Silver Vein (SV) Chrome (CH)	White Frosted (WF) Clear Frosted (CFA) Optional Lens White Alabaster (WA) Honey Onyx (HO) Natural Horn (NH) Beige Alabaster (BA) Honey Swirl (HS)	LED EMR - Up to 24W OCC Sensors Photo Cell Control
DELIVERED LUMENS PER WATT						
2700K = 80						
3000K = 90						
3500K = 100						
4100K = 110						
5000K = 120						

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SYLVAN BOLLARD SERIES



DIMENSIONS: 48"H X 6 1/8"W

Catalog #		Type
Project		LED BOLLARD
Comments		
Prepared By		Date

SPECIFICATIONS

Material

All parts are Durable .063 Aluminum with Overlay Aluminum Roof with supports fabricated for maximum strength.

Lens

Standard White Frosted Premium Acrylic or Clear Frosted Premium Acrylic

LED

ALTA Long Life, high-efficiency, surface mount LEDs mounted on MPCB Aluminum Boards

Lifespan:

100,000 hour LED lifespan based on IES LM-80 results and TM-21 calculations

Driver

0-10V Dimming Driver for 120/277 volt, Constant Current, Metal Case, 5 year warranty

Label

ETL Listed for US and Canada for

ORDERING INFORMATION

Sample Number: SYL-B-48-22W-AB-WF

Series	Style	Size	Lamp	Finish	Standard Lens	Options
SYL	Bollard	34"	12W	Architectural Bronze (AB)	White Frosted (WF)	LED EMR - Up to 24W
		48"	22W	Textured Bronze (TBR)	Clear Frosted (CFA)	OCC Sensors
			48"	Matte Black (MBK)		Photo Cell Control
				Semi Gloss Black (GBK)		
				Textured Black (TBK)		
				Textured Rust (TR)		
				Matte White (MW)		
				Textured White (TW)		
				Gloss White (GW)		
				Metallic Grey (MG)		
				Brushed Aluminum (BA) adder		
				Metallic Nickel (MN)		
				Textured Verde Patina (TVP)		
				Satin Brass (SB)		
				Copper Vein (CV)		
				Gold Vein (GV)		
				Silver Vein (SV)		
				Chrome (CH)		

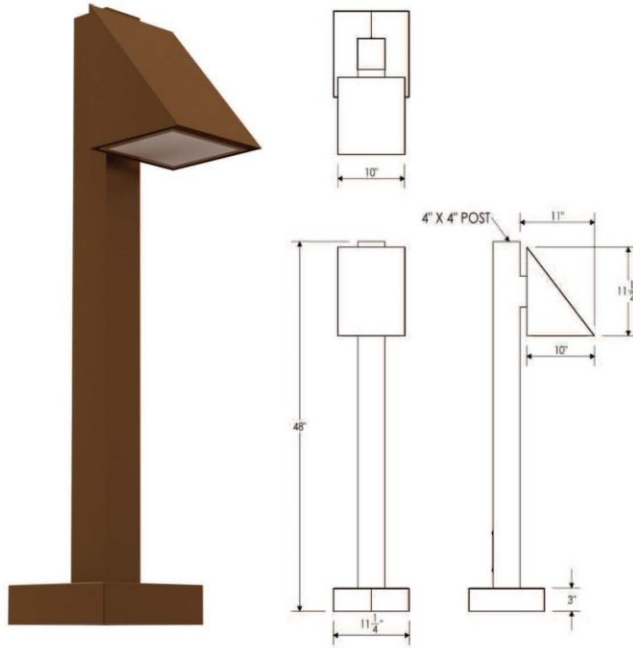
DELIVERED LUMENS PER WATT

2700K = 80
3000K = 90
3500K = 100
4100K = 110
5000K = 120

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TOSCA BOLLARD SERIES



DIMENSIONS: 48"H X 10"W

Catalog #		Type
Project		LED BOLLARD
Comments		
Prepared By		Date

SPECIFICATIONS

Material

All parts are Durable Aluminum Extruded Tube with Aluminum Roof with supports fabricated for maximum strength.

Lens

Standard White Frosted Premium Acrylic or Clear Frosted Premium Acrylic

LED

ALTA Long Life, high-efficiency, surface mount LEDs mounted on MPCB Aluminum Boards

Lifespan:

100,000 hour LED lifespan based on IES LM-80 results and TM-21 calculations

Driver

0-10V Dimming Driver for 120/277 volt, Constant Current, Metal Case, 5 year warranty

Label

ETL Listed for US and Canada for Wet Location

ORDERING INFORMATION

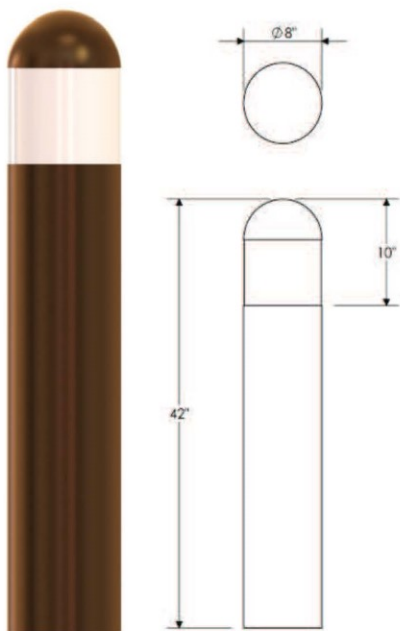
Sample Number: TOS-B-48-36W-AB-WF

Series	Style	Size	Lamp	Finish	Standard Lens	Options
TOS	Bollard	32" X 8" 48" X 10"	32" 12W 22W	Architectural Bronze (AB) Textured Bronze (TBR) Matte Black (MBK) Semi Gloss Black (GBK) Textured Black (TBK) Textured Rust (TR) Matte White (MW) Textured White (TW) Gloss White (GW) Metallic Grey (MG) Brushed Aluminum (BA)	White Frosted (WF) Clear Frosted (CFA)	LED EMR - Up to 24W OCC Sensors Photo Cell Control
			48" 12W 22W 36W	adder Metallic Nickel (MN) Textured Verde Patina (TVP) Satin Brass (SB) Copper Vein (CV) Gold Vein (GV) Silver Vein (SV) Chrome (CH)	Optional Lens White Alabaster (WA) Honey Onyx (HO) Natural Horn (NH) Beige Alabaster (BA) Honey Swirl (HS)	
DELIVERED LUMENS PER WATT						
2700K = 80						
3000K = 90						
3500K = 100						
4100K = 110						
5000K = 120						

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VERBOTEN BOLLARD SERIES



DIMENSIONS: 42"H X 8"W

Catalog #		Type
Project		LED BOLLARD
Comments		
Prepared By		Date

SPECIFICATIONS

Material

All parts are durable Aluminum Extruded Tube with .080 Spun aluminum Roof with supports fabricated for maximum strength.

Lens

Standard White Frosted Premium Acrylic or Clear Frosted Premium Acrylic

LED

ALTA Long Life, high-efficiency, surface mount LEDs mounted on MPCB Aluminum Boards

Lifespan:

100,000 hour LED lifespan based on IES LM-80 results and TM-21 calculations

Driver

0-10V Dimming Driver for 120/277 volt, Constant Current, metal case, 5 year warranty

Label

ETL Listed for US and Canada for Wet Location

ORDERING INFORMATION

Sample Number: VRB-B-42-36W-AB-WF

Series	Style	Size	Lamp	Finish	Standard Lens	Options
VRB	Bollard	30" 42"	30" 12W 24W 36W 42" 12W 24W 36W	Architectural Bronze (AB) Textured Bronze (TBR) Matte Black (MBK) Semi Gloss Black (GBK) Textured Black (TBK) Textured Rust (TR) Matte White (MW) Textured White (TW) Gloss White (GW) Metallic Grey (MG) Brushed Aluminum (BA) adder Metallic Nickel (MN) Textured Verde Patina (TVP) Satin Brass (SB) Copper Vein (CV) Gold Vein (GV) Silver Vein (SV) Chrome (CH)	White Frosted (WF) Clear Frosted (CFA) Optional Lens White Alabaster (WA) Honey Onyx (HO) Natural Horn (NH) Beige Alabaster (BA) Honey Swirl (HS)	LED EMR - Up to 24W OCC Sensors Photo Cell Control

DELIVERED LUMENS PER WATT

2700K = 80
3000K = 90
3500K = 100
4100K = 110
5000K = 120

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BOLLARD



EVERGREEN LIGHTING

Virgo bollard shown with custom
natural satin aluminum finish with
clear top coat.



EVERGREEN

LIGHTING CORPORATION

Custom Bollards

Since its establishment in 1993, Evergreen Lighting has made thousands of custom bollards and other luminaires. We are ready to meet the exacting aesthetic and technical standards that your job requires.

A custom design may involve manufacturing from an architect's design concept; it may incorporate themes, shapes or materials that exist in other areas of the design environment; it may utilize custom colors or finishes. Talk to us – we'll help you get that custom job, and we'll save you money.

*Top row/ Left: custom materials & color.
Right: custom lens and guard.*

*Bottom row/ Left: custom base and dome.
Center: available custom louvers.
Right: custom source and optica.*



EVERGREEN LIGHTING CORPORATION

EVERGREEN MANUFACTURERS OF QUALITY LIGHTING EQUIPMENT
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visit us online at:



Custom Bollards



Top row/

Left: custom glow-top.

Center: custom height shaft.

Right: custom height shaft.

Bottom row/

Left: custom shaft, lens assembly, and dome.

Center: custom optics.

Right: custom base, shaft, lens assembly and dome.

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Concrete Bollard Installation Guide

Installation in Soil

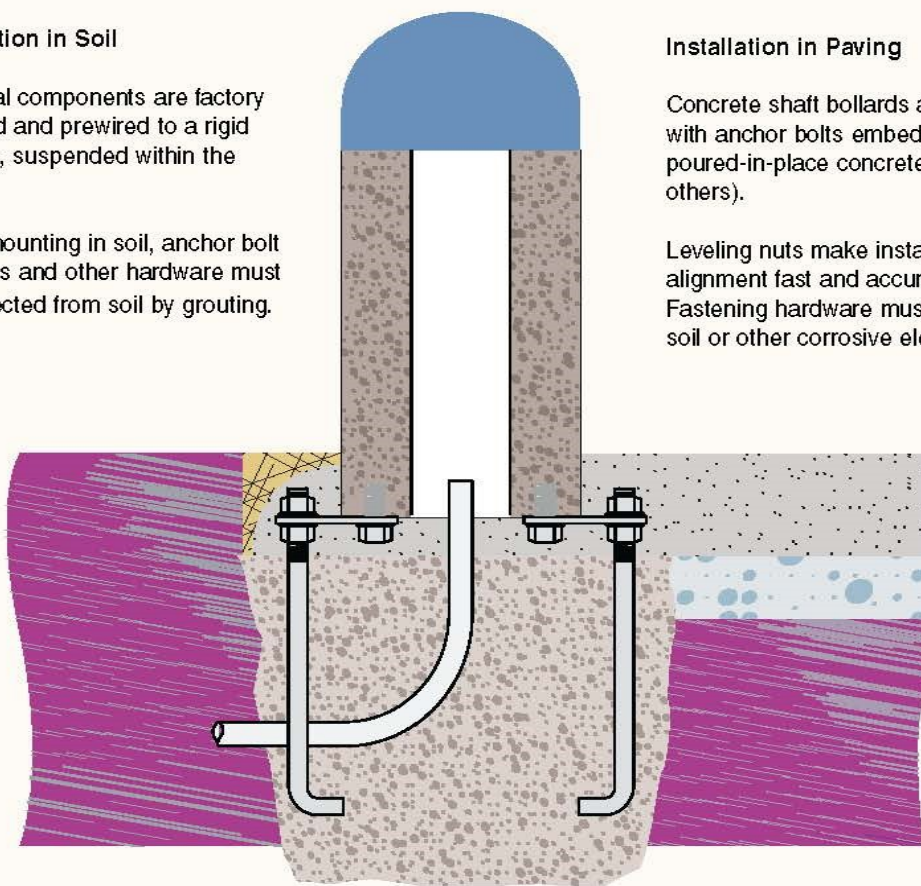
Electrical components are factory mounted and prewired to a rigid harness, suspended within the shaft.

When mounting in soil, anchor bolt fasteners and other hardware must be protected from soil by grouting.

Installation in Paving

Concrete shaft bollards are installed with anchor bolts embedded in a poured-in-place concrete footing (by others).

Leveling nuts make installation and alignment fast and accurate. Fastening hardware must not contact soil or other corrosive elements.



MATERIALS KEY



soil



paving



grout



concrete



gravel



bollard shaft

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The Aquarius Series

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ETL & CSA LISTED FOR WET LOCATIONS.
FACTORY TESTED BEFORE SHIPMENT.

CONCRETE HOUSING – Pre-cast steel-reinforced hollow-core 8" round or square concrete, 42" tall. We offer four textures of sandblast-finished concrete: smooth, light, medium, and heavy; see the Shaft Texture table. The standard finish is natural concrete. The other available concrete colors (buff, brown, black, or custom to your specifications) are mixed into the concrete, not merely applied to the surface. See the Concrete Color table.

TOP CAP – Five top cap styles are offered: flat aluminum; aluminum dome top (for round sizes); aluminum pyramidal top (for square sizes); radiused aluminum top (for square sizes, shown on page 18 top right); and GloTop (for round sizes only; please consult factory).

LENS – The standard lens is 3/8" thick, clear, UV-stabilized high-impact resistant acrylic. It is rabbeted for flush fit, and silicone sealant creates a tight gasketing. An internal "house side" cut-off shield is available; see the Options table. Other lenses are available; consult factory.

SOCKET – HID sockets are glazed porcelain, medium base, 600V. Fluor-

escent sockets are standard PL-type.

ELECTRICAL COMPONENTS – Available in LED, MH and fluorescent. All Drivers/Ballasts are CWA/HPF regulating auto-transformers. Starting temperature for LED is -40°F, and MH starts at -20°F. Maximum wattage is 36W LED, 175W MH, or 42W PL fluorescent. Fluorescent is available in 120V or 277V only.

MOUNT – Anchor base. Hot dip galvanized 3/8" x 12" anchor bolts are supplied, complete with two each nuts and washers; there are four (4) anchor bolts.

OPTICS – Four different optical systems are offered:

- Paracline reflector. Made of specular spun aluminum.
- Specular aluminum stacked cone reflector.
- Borosilicate glass refractor system.
- Cast aluminum 45° cut-off louvers, finished the same color as the top cap.

FINISH – Finish on non-concrete parts is thermoset polyester oven-baked powder coat, in any standard Evergreen color. Custom colors are available to your specifications; consult factory.



The Aquarius Series features a round or square concrete shaft with aluminum top.

Left: Aquarius Bollard with GloTop cap and stacked cone optical system.

Right: Flat top and louvers.



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The Aquarius Series

	1	2	3	4	5	6	7	8	9	10
FIXTURE	SIZE	SOURCE	VOLTS	LAMP	OPTICS	TOP CAP	SHAFT TEXTURE	SHAFT COLOR	TOP COLOR	OPTIONS
AQR	20	E2	2	L	C	4	H	NL	GY	MT, QR

Create a catalog number from the tables below. Example number: AQR - 20 - E2 - 2 - L - C - 4 - H - NL - GY - MT, QR

1 SIZE

	A	B
Size = 10	42"	8" round concrete
Size = 20	42"	8" square concrete
Size = 30	42"	Custom; please specify

MAXIMUM WATTAGE for 8" diameter is
36W LED
175 MH

2 LIGHT SOURCE

	LED	MH
24W	L24	
36W	L36	
70W		E2
100W		H2
150W		J2
175W		K2

consult factory

FLUORESCENT
X = single PL
Y = dual PL
(specify wattage up to single 42W or dual 13W)

3 VOLTAGE

120V = 2	Also available in Multi-Tap: see Options table
208V = 0	
240V = 4	
277V = 7	
480V = 8	Not available in Multi-Tap

NOTE: FLUORESCENT SOURCES AVAILABLE IN 120V OR 277V ONLY.

4 LAMP

L = with lamp
N = no lamp

5 OPTICS

A

45° cut-off louvers

B

paracline reflector

C

glass refractor

D

stacked cone reflector

6 TOP CAP

1 = flat aluminum top	4 = radiused aluminum top†
2 = dome shaped aluminum top†	5 = GloTop (consult factory)
3 = pyramid shaped aluminum top‡	

†for round sizes only ‡for square sizes only

7 SHAFT TEXTURE

S = smooth textured concrete	M = medium textured concrete
L = light textured concrete	H = heavily textured concrete

8 SHAFT COLOR

NL = Natural	BK = Black
BF = Buff	CC = Custom Color (consult factory)
BN = Brown	

9 TOP COLOR

NOTE: TOP COLOR ALSO APPLIES TO LOUVERS

DB = Dark Bronze	BU = Blue
VP = Verde Patina	GR = Green
WH = White	BK = Black
SL = Silver	CC = Custom Color
GY = Gray	

10 OPTIONS

MT = multi-tap transformer	QR = quartz restrike
LS = 180° "house side" cut-off light shield	FV = international ballast; specify cycles

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The Aurora Series

EVERGREEN LIGHTING CORPORATION



Left: Aurora Bollard, Size 20. Right: Size 30.

**ETL & CSA LISTED FOR WET LOCATIONS.
FACTORY TESTED BEFORE SHIPMENT.**

SIZES – Size 10 is the same style as the photo above left, except that it does not require the pedestal box. It is for LED, and fluorescent sources. Size 20, shown above left, is for LED, HID sources, and has the pedestal box. Size 30, shown above right, is for LED, fluorescent and HID sources, and always has the pedestal box. Please see the Size table.

HOUSING – Heavy duty cast aluminum.

OPTICS – Specular aluminum pathway lighting.

LENS – The standard lens is 1/8" thick clear tempered glass.

SOCKET –All sockets except fluorescent are glazed porcelain, medium base, rated to 600V.

ELECTRICAL COMPONENTS – Available in MH, LED

All HID ballasts are CWA/HPF regulating auto-transformers. Starting temperature is -40°F for LED and MH starts at -20°F. Maximum wattage is 100W for MH. Options: Maximum wattage for PL fluorescent is 42W. Maximum wattage for incandescent is 100W. Fluorescent is available in 120V or 277V only.

ANCHOR BASE AND BOLTS – Four (4) 3/8" by 12" galvanized anchor bolts are supplied, complete with two each nuts and washers. The anchor base plate is made of heavy-duty aluminum.

FINISH – The finish is thermoset polyester oven-baked powder coat, in any standard Evergreen color. Custom colors are available to your specifications; consult factory.



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The Aurora Series

	1	2	3	4	5	6	7
FIXTURE	SIZE	SOURCE	VOLTS	LAMP	LENS	COLOR	OPTIONS
AUR	30	L10	2	L	1	GR	MT, QR

Create a catalog number from the tables below. Example number: AUR – 30 – L10 – 2 – L – 1 – GR – MT, QR

1 SIZE

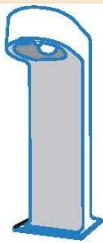
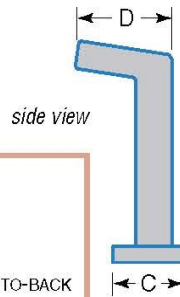
	A	B	C	D	E
Size = 10	40"	9-1/2"	7"	12"	9"
Size = 20	40"	9-1/2"	7"	12"	9"
Size = 30	40"	9-1/2"	7"	12"	9"

ALL SIZES MAX WATTS:

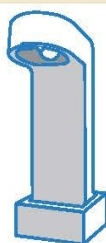
36W LED
100W MH
42W CFL

NOTE ON DIMENSIONS:

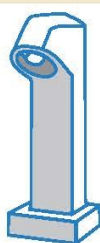
A IS THE OVERALL HEIGHT
B IS THE BASE SIDE-TO-SIDE
C IS THE BASE FRONT-TO-BACK
D IS THE SHAFT AND HEAD FRONT-TO-BACK
E IS THE SHAFT AND HEAD SIDE-TO-SIDE



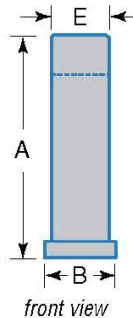
Size 10
fluorescent and
incandescent.



Size 20
HPS and MH



Size 30
fluorescent,
incandescent,
HPS and MH



2 LIGHT SOURCE

	LED	MH
10W	L10	
20W	L20	
36W	L36	
70W		E2
100W		H2

FLUORESCENT

X = single PL

Y = dual PL

(specify wattage up to
42W single PL or 13W dual PL)

Z = incandescent

(Please specify type and wattage
up to 100W, medium base only.)

3 VOLTAGE

120V = 2
208V = 0
240V = 4
277V = 7

Also available in
Multi-Tap:
see Options table

480V = 8

Not available
in Multi-Tap

NOTE: FLUORESCENT SOURCES
AVAILABLE IN 120V OR 277V ONLY.

4 LAMP

L = with lamp

N = no lamp

NOTE: EVERGREEN DOES NOT FURNISH
INCANDESCENT LAMPS

5 LENS

1 = clear tempered glass.

2 = custom; please consult factory

6 COLOR

BK = Black

GR = Green

WH = White

DB = Dark Bronze

VP = Verde Patina

BU = Blue

SL = Silver

GY = Gray

CC = Custom Color

7 OPTIONS

MT = multi-tap transformer

QR = quartz restrike

FV = international ballast;
specify cycles

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The Cathedral Series

EVERGREEN LIGHTING CORPORATION



Left: Cathedral 100 (Size 10). Right: Cathedral 200 (Size 20).

ETL & CSA LISTED FOR WET LOCATIONS.

EVERY BOLLARD IS FACTORY TESTED BEFORE SHIPMENT.

HOUSING – The housing is extra heavy duty cast aluminum. The standard height varies; please see the Size table. Vandal-resistant, tamper-proof screws are available; see the Options table.

LENS – The standard lens is obscure tempered glass.

OPTICS – The Cathedral is offered with an optional internal borosilicate glass refractor, recommended if the available clear tempered glass lenses are specified.

SOCKET – HID sockets are glazed porcelain, medium base, rated to 600V. Fluorescent sockets are standard PL-type.

ELECTRICAL COMPONENTS – Available in LED, MH and fluorescent. All ballasts are CWA/HPF regulating auto-transformers.

Starting temperature for LED is -40°F, and MH starts at -20°F. Maximum HID wattage is 175W. Maximum wattage for PL fluorescent is 42W. Fluorescent is available in 120V or 277V only.

MOUNTING – The standard mounting style is anchor bolt. Four (4) 3/8" x 12" galvanized anchor bolts are supplied, complete with two each nuts and washers. The anchor base plate is made of heavy-duty aluminum.

FINISH – The finish is thermoset polyester oven-baked powder coat, in any standard Evergreen Lighting color. Custom colors are available to your specifications; consult factory.

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The Cathedral Series

	1	2	3	4	5	6	7
FIXTURE	SIZE	SOURCE	VOLTS	LAMP	LENS	COLOR	OPTIONS
CTH	10	L24	7	L	1	BU	MT, QR

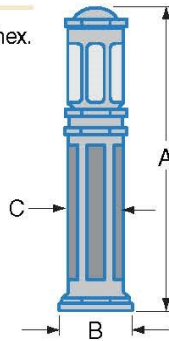
Create a catalog number from the tables below. Example number: CTH - 10 - L24 - 7 - L - 1 - BU - MT, QR

1 SIZE

	A	B (base)	C (shaft)
Size = 10 Cathedral 100	36"	12"x12" sq.	10" hex.
Size = 20 Cathedral 200	42"	8-1/2"x9-1/2" rect.	7-1/4" hex.

ALL SIZES MAX WATTS:

36W LED
150W MH
42W CFL



2 LIGHT SOURCE

	LED	MH
12W	L 12	
24W	L 24	
36W	L 36	
70W		E2
100W		H2
150W		J2
175W		K2

FLUORESCENT
X = single PL Y = dual PL
(specify wattage up to
42W single PL or 13W dual PL)

3 VOLTAGE

120V = 2
208V = 0
240V = 4
277V = 7

*Also
available in
Multi-Tap:
see Options
table*

480V = 8 *Not available
in Multi-Tap*

**NOTE: FLUORESCENT SOURCES
AVAILABLE IN 120V OR 277V ONLY.**

4 LAMP

L = with lamp
N = no lamp

5 LENS

1 = obscure tempered glass (standard)
2 = clear tempered glass
(glass refractor recommended:
see Options table)
3 = custom; please consult factory

6 COLOR

BK = Black
GR = Green
WH = White
DB = Dark Bronze
BU = Blue
SL = Silver
VP = Verde Patina
GY = Gray
CC = Custom Color

7 OPTIONS

RF = glass refractor with
360° distribution
MT = multi-tap transformer
TP = tamper-proof screws
QR = quartz restrike
FV = international ballast;
specify cycles

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The Nautilux Series

EVERGREEN LIGHTING CORPORATION



*Left: Size 10, shown with one ring, is 6" in diameter.
Right: Size 20, shown with two rings, is 8" in diameter.
Both sizes are available with no rings.*

ETL & CSA LISTED FOR WET LOCATIONS. FACTORY TESTED BEFORE SHIPMENT.

HOUSING – Heavy-gauge cast, spun, and extruded aluminum. The Nautilux shaft is 6" or 8" in diameter and 42" tall overall.

ELECTRICAL COMPONENTS – Available in LED, MH and fluorescent. All ballasts are CWA/HPF regulating auto-transformers. Starting temperature for LED is -40°F, and MH starts at -20°F. Maximum wattage is 175W for HID sources and 42W for PL fluorescent. Fluorescent is available in 120V or 277V only.

ANCHOR BASE & BOLTS – Three (3) 3/8" x 12" galvanized anchor bolts are supplied, complete with two each nuts and washers. The anchor

base plate is made of heavy-duty aluminum.

OPTICS – Distribution is 360°, using a special nautically-styled borosilicate glass refractor. An optional 180° internal cut-off shield is available, as well as a GloTop dome; please see the Options table.

SOCKET – HID sockets are medium base glazed porcelain, rated to 600V. Fluorescent sockets are standard PL-type.

FINISH – The finish is thermoset polyester oven-baked powder coat, in any standard Evergreen Lighting color. Custom colors are available to your specifications; consult factory.

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The Nautilux Series

	1	2	3	4	5	6	7	8
FIXTURE	SIZE	SOURCE	VOLTS	LAMP	OPTICS	RINGS	COLOR	OPTIONS
NLX	10	H2	0	L	5	2	SL	MT, PC

Create a catalog number from the tables below. Example number: NLX – 10 – H2 – 0 – L – 5 – 2 – SL – MT, PC

<h3>1 SIZE</h3> <p>Size = 10 6" dia.</p> <p>Size = 20 8" dia.</p> <p>ALL SIZES MAXIMUM WATTAGES: 36W LED 100W MH 42W FLUOR.</p>	<h3>2 LIGHT SOURCE</h3> <table border="1"> <thead> <tr> <th></th> <th>LED</th> <th>MH</th> </tr> </thead> <tbody> <tr> <td>12W</td> <td>L12</td> <td></td> </tr> <tr> <td>24W</td> <td>L24</td> <td></td> </tr> <tr> <td>36W</td> <td>L36</td> <td></td> </tr> <tr> <td>70W</td> <td></td> <td>E2</td> </tr> <tr> <td>100W</td> <td></td> <td>H2</td> </tr> <tr> <td>150W</td> <td></td> <td>J2</td> </tr> <tr> <td>175W</td> <td></td> <td>K2</td> </tr> </tbody> </table> <p>Pulse start available: consult factory</p> <p>FLUORESCENT X = single PL Y = dual PL (specify wattage up to 42W single PL or 13W dual PL)</p>		LED	MH	12W	L12		24W	L24		36W	L36		70W		E2	100W		H2	150W		J2	175W		K2	<h3>3 VOLTAGE</h3> <p>120V = 2 } Also available 208V = 0 } in Multi-Tap: 240V = 4 } see 277V = 7 } Options table</p> <p>480V = 8 } Not available in Multi-Tap</p> <p>NOTE: FLUORESCENT SOURCES AVAILABLE IN 120V OR 277V ONLY.</p> <h3>4 LAMP</h3> <p>L = with lamp N = no lamp</p>
	LED	MH																								
12W	L12																									
24W	L24																									
36W	L36																									
70W		E2																								
100W		H2																								
150W		J2																								
175W		K2																								
<h3>5 OPTICS</h3> <p>5 = 360° distribution pattern</p>		<h3>7 COLOR</h3> <p>BK = Black GR = Green WH = White DB = Dark Bronze SL = Silver GY = Gray BU = Blue VP = Verde Patina CC = Custom Color</p>																								
<h3>6 RINGS</h3> <p>0 = no rings 1 = one ring 2 = two rings</p>																										
<h3>8 OPTIONS</h3> <p>MT = multi-tap transformer PC = photo cell GT = GloTop (opal polycarbonate dome)</p> <p>CS = 180° internal cut-off shield FV = international ballast; specify cycles</p>																										

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The Orion Series *of Concrete Bollards*

EVERGREEN LIGHTING CORPORATION



ETL & CSA LISTED FOR WET LOCATIONS. FACTORY TESTED BEFORE SHIPMENT.

SHAPES – The Orion 10 is round with a flat top; the Orion 20 is round with a dome top; the Orion 30 is square with a flat top; the Orion 40 is square with a pyramidal top; and the Orion 50 is round with a radius top.

HOUSING – Steel-reinforced pre-cast hollow-core concrete. We offer four textures of sandblast-finished concrete: smooth, light, medium, and heavy. As an option, we offer tiles installed onto the housing shaft (the "handicapped parking" symbol, for example, or your logo, or decorative and other tiles to your specifications); see the Options table.

LOUVERS – Rugged cast aluminum grilles, 360° around the bollard. The styles offered are horizontal, vertical, and 45° cut-off. While any Orion may be specified with vertical louvers or horizontal louvers, the 45° cut-off louvers may be specified on 8" sizes only; please see the Louvers table.

LENS – Clear or opal white polycarbonate.

OPTICS – A 360° distribution pattern is standard. An optional internal "house side" 180° cut-off shield is available; please see the Options table.

ELECTRICAL COMPONENTS – Available in LED, MH, and fluorescent. All ballasts are CWA/HPF

regulating auto-transformers.

Starting temperature for LED is -40°F, and MH starts at -20°F. Maximum wattage is 36W LED, 175W MH and 42W PL fluorescent. Fluorescent is available in 120V or 277V only.

SOCKET – HID sockets are glazed porcelain, medium base, rated to 600V. Fluorescent sockets are the standard PL-type.

MOUNTING – Anchor base mounted. Four (4) 3/8" x 12" galvanized anchor bolts are supplied, complete with two each nuts and washers. The anchor base plate is made of heavy-duty steel.

CONCRETE FINISH – The standard finish is natural concrete. The other available colors (buff, brown, black, or custom to your specifications) are mixed into the concrete rather than merely applied to the surface.

LOUVER FINISH – Finish is thermoset oven-baked powder coat, in any standard Evergreen Ltg Color. Custom colors are available to your specifications.

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The Orion Series *of Concrete Bollards*

	1	2	3	4	5	6	7	8	9	10
FIXTURE	SIZE	SOURCE	VOLTS	LAMP	LOUVERS	LOUVER COLOR	LENS	TEXTURE	CONCRETE COLOR	OPTIONS
OR	20/42/12	L24	7	L	3	BK	2	4	NL	MT, LS

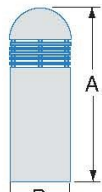
Create a catalog number from the tables below. Example number: OR - 20/42/12 - L24 - 7 - L - 3 - BK - 2 - 4 - NL - MT,

1 SIZE			
	Shape & Top	A	B
Size = 10	round, flat top	42"	8", 10", 12", 14", 16", or 18" dia.
Size = 20	round, dome top	42"	8", 10", 12", 14", 16", or 18" dia.
Size = 30	square, flat top	42"	8", 10", 12", 14", 16", or 18" sq.
Size = 40	square, pyramid top	42"	8", 10", 12", 14", 16", or 18" sq.
Size = 50	round, radius top	42"	8" diameter only

TO SPECIFY SIZE, PLEASE INCLUDE:

- the size number
- dimension "A"
- (42" is standard, or consult factory for custom)
- dimension "B".

Example:
10/42/12 = Size 10, 42" high, 12" diameter



ALL SIZES
MAX WATTS:

36W LED
175W MH
42W PL

2 LIGHT SOURCE		
	LED	MH
12W	L12	
24W	L24	
36W	L36	
100W		H2
150W		J2
175W		K2

FLUORESCENT
X = single PL Y = dual PL
(specify wattage up to single 42W or dual 13W)

3 VOLTAGE	
120V = 2	Also available in Multi-Tap: see Options table
208V = 0	
240V = 4	
277V = 7	
480V = 8	Not available in Multi-Tap

NOTE: FLUORESCENT SOURCES AVAILABLE IN 120V OR 277V ONLY.

4 LAMP
L = with lamp N = no lamp

5 LOUVERS
1 = 45° cut-off louvers (on 8" round and square sizes only)
2 = horizontal louvers
3 = vertical louvers

6 LOUVER COLOR	
BK = Black	SL = Silver
GR = Green	GY = Gray
WH = White	BU = Blue
DB = Dark Bronze	CC = Custom Color
VP = Verde Patina	(consult factory)

7 LENS
1 = clear 2 = opal

8 TEXTURE
1 = smooth 2 = light 3 = medium 4 = heavy

9 CONCRETE COLOR
NL = Natural BF = Buff BN = Brown BK = Black CC = Custom Color (consult factory)

10 OPTIONS
MT = multi-tap transformer LS = "house side" cut-off light shield TL = tile (please consult factory) FV = international ballast; specify cycles

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The Venus Series

EVERGREEN LIGHTING CORPORATION



The Venus Series features round or square aluminum bollards with cast aluminum louvers.

HOUSING – Round or square extruded aluminum, offered in 8", 10", and 12" standard sizes. The standard height is 42".

LOUVERS – Rugged cast aluminum external louvers 360° around the bollard. Available 180° louvers are illustrated in the Options table.

LENS – The standard lens is 3/8" thick, clear, UV-stabilized high-impact resistant acrylic. It is rabbeted for flush fit, and silicone sealant creates a tight gasketing.

OPTICS – Available "house side" cut-off shield; please see the Options table.

SOCKET – HID sockets are glazed porcelain, medium base, rated to 600V. Fluorescent sockets are standard PL-type.

ELECTRICAL COMPONENTS – Available in LED, MH and fluorescent. All ballasts are CWA/HPF regulating auto-transformers. The starting temperature for LED is -40°F, and MH starts at -20°F. Maximum wattage is 36W LED, 175W MH, and

**ETL & CSA LISTED FOR WET LOCATIONS.
FACTORY TESTED BEFORE SHIPMENT.**

42W PL fluorescent. Fluorescent is available in 120V or 277V only.

TOP CAP – The top cap is spun, cast, die-formed or extruded from heavy-gauge aluminum. Four shapes are available:

- flat top, for round or square Venus bollards (see photos center and right, above).
- dome top, for round Venus bollards (see photo above left).
- pyramid top, for square Venus bollards.
- radiused top, for square Venus bollards (see photo on page 18, right).

ANCHOR BASE AND BOLTS – Three (3) 3/8" x 12" galvanized anchor bolts are supplied, complete with two each nuts and washers. The anchor base plate is made of heavy-duty aluminum.

FINISH – The finish is thermoset polyester oven-baked powder coat, in any standard Evergreen Lighting Custom colors are available to

your specifications;
consult factory.

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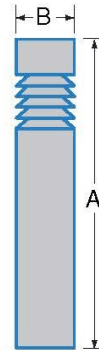
The Venus Series

	1	2	3	4	5	6	7
FIXTURE	SIZE	SOURCE	VOLTS	LAMP	TOP CAP	COLOR	OPTIONS
VEN	11	H2	4	L	4	WH	MT, TP

Create a catalog number from the tables below. Example number: VEN – 11 – H2 – 4 – L – 4 – WH – MT, TP

1 SIZE

	Shape	A	B	Max. Watts
Size = 10	Round	42"	8" diameter	100W
Size = 11	Square	42"	8" x 8"	100W
Size = 20	Round	42"	10" diameter	36W LED, 175W MH
Size = 21	Square	42"	10" x 10"	36W LED, 175W MH
Size = 30	Round	42"	12" diameter	36W LED, 175W MH
Size = 31	Square	42"	12" x 12"	36W LED, 175W MH
Size = 40	*	*		



* custom: please specify

ALL SIZES
MAXIMUM FLUORESCENT
WATTAGE IS 42W

2 LIGHT SOURCE

	LED	MH
12W	L12	
24W	L24	
36W	L36	
70W		E2
100W		H2
150W		J2
175W		K2

FLUORESCENT
X = single PL Y = dual PL
(specify wattage up to
single 42W or dual 13W)

4 LAMP

L = with lamp
N = no lamp

3 VOLTAGE

120V = 2
208V = 0
240V = 4
277V = 7

Also available in Multi-Tap:
see Options table

480V = 8 Not available in Multi-Tap

NOTE: FLUORESCENT SOURCES AVAILABLE IN
120V OR 277V ONLY.

5 TOP CAP

- 1 = Flat top cap (all sizes)
- 2 = Dome top cap (not available for sizes 11, 21, or 31)
- 3 = Pyramid top cap (not available for sizes 10, 20, or 30)
- 4 = Radiused top cap (not available for sizes 10, 20, or 30)

6 COLOR

BK = Black
GR = Green
WH = White
DB = Dark Bronze
SL = Silver

GY = Gray
BU = Blue
VP = Verde Patina
CC = Custom color

7 OPTIONS

MT = multi-tap transformer
QR = quartz restrike
PC = photo cell
PL = polycarbonate lens
HL = 180° louvers (illustrated at right)
LS = "house side" cut-off light shield
LV = contrasting color louvers; specify color
TP = tamper-proof hardware
FV = international ballast;
specify cycles



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The Virgo Series

EVERGREEN LIGHTING CORPORATION



Above and front cover: Virgo shown with custom natural satin aluminum finish with clear top coat.



ETL & CSA LISTED FOR WET LOCATIONS.
FACTORY TESTED BEFORE SHIPMENT.

The Virgo Series features round or square aluminum bollards with a choice of 3 optical systems.

HOUSING – Round or square extruded aluminum .125" thick. Standard height is 42".

SHAPE – Round or square, 6" and 8" sizes.

TOP CAP – Spun, cast, die-formed or extruded from heavy-gauge aluminum. Available in four shapes:

- flat top, for round or square Virgo bollards.
- dome top, for round Virgo bollards (see photos above left and center).
- pyramid top, for square Virgo bollards.
- radius top, for square Virgo bollards (see photo above right).

LENS – The standard lens is 3/8" thick, clear, UV-stabilized high impact resistant acrylic. It is rabbeted for flush fit, and silicone sealant creates a tight gasketing. Other lenses are available; please consult factory.

SOCKET – HID sockets are glazed porcelain, medium base, rated to 600V. Fluorescent sockets are standard PL-type.

ELECTRICAL COMPONENTS – Available in LED, MH and fluorescent. All

ballasts are CWA/HPF regulating auto-transformers. The starting temperature for LED is -40°F, and MH starts at -20°F. Maximum wattage is 36W LED, 175W MH and 42W PL fluorescent. Fluorescent is available in 120V or 277V only.

MOUNT – Anchor base and bolt. Three (3) 3/8" x 12" hot dip galvanized anchor bolts are supplied, complete with two each nuts and washers.

OPTICS – Three different optical systems are offered for the Virgo:

- Specular spun-aluminum paracline reflector.
- Specular aluminum stacked cone reflector.
- Borosilicate glass refractor.

Additionally, a "house side" cut-off shield is available; please see the Options table.

FINISH – The finish is thermoset polyester oven-baked powder coat, in any standard Evergreen Lighting color. Custom colors are available to your specifications; consult factory.

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The Virgo Series

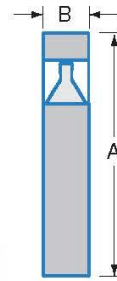
	1	2	3	4	5	6	7	8
FIXTURE	SIZE	SOURCE	VOLTS	LAMP	TOP CAP	OPTICS	COLOR	OPTIONS
VIR	10	L30	2	L	1	A	DB	MT, LS

Create a catalog number from the tables below. Example number: VIR – 10 – L30 – 2 – L – 1 – A – DB – MT, LS

1 SIZE

	Shape	A	B	Max. Watts
Size = 10	Round	42"	6" dia.	30W LED, 100W HID, 42W fluor.
Size = 11	Square	42"	6" x 6"	30W LED, 100W HID, 42W fluor.
Size = 20	Round	42"	8" dia.	30W LED, 175W MH, 42W fluor.
Size = 21	Square	42"	8" x 8"	30W LED, 175W MH, 42W fluor.
Size = 30	*	*		

* custom: please specify



2 LIGHT SOURCE

	LED	MH
10W	L10	
20W	L20	
30W	L30	
70W		E2
100W		H2
150W		J2
175W		K2

FLUORESCENT
X = single PL Y = dual PL
(specify wattage up to
single 42W or dual 13W)

3 VOLTAGE

120V = 2
208V = 0
240V = 4
277V = 7

Also available in
Multi-Tap:
see Options table

480V = 8

Not available
in Multi-Tap

NOTE: FLUORESCENT SOURCES
AVAILABLE IN 120V OR 277V ONLY.

4 LAMP

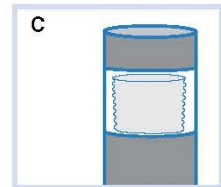
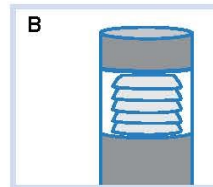
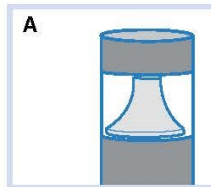
L = with lamp
N = no lamp

5 TOP CAP

1 = Flat (all sizes)
2 = Dome (round sizes only)
3 = Pyramid (square sizes only)
4 = Radiused (square sizes only)

6 OPTICS

A = Paracline reflector
B = Stacked cone reflector
C = Glass refractor



7 COLOR

BK = Black
GR = Green
WH = White
DB = Dark Bronze
SL = Silver
GY = Gray
BU = Blue
VP = Verde Patina
CC = Custom Color

8 OPTIONS

QR = quartz restrike
LS = 180° cut-off light shield
PC = photo cell
PL = polycarbonate lens
TP = tamper-proof hardware
MT = multi-tap transformer
FV = international ballast;
specify cycles

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