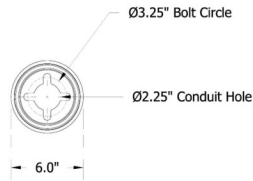
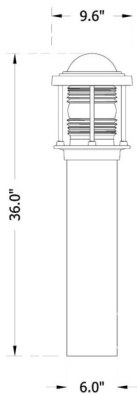


Project Name

Qty

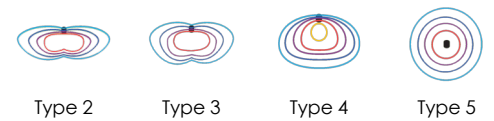
Type

Catalog / Part Number



Finish	Description												
					The Harbortown 806LED-346B bollard is a nautically styled design, featuring a cylindrical extruded aluminum body, rugged cast aluminum domed roof/heat sink and decorative aluminum cage. A glass fresnel lens surrounds a downward facing LED system for efficiency and performance. Available in heights: 24", 30", 36", 42" and 48"								
Old World Gray Tex	Swedish Iron	Verde Green	Two Tone	Weathered Black									
					Physical <table><tr><td>Model</td><td>806LED-346B: Harbortown</td></tr><tr><td>Overall Height (In Inches)</td><td>24", 30", 36", 42", 48"</td></tr><tr><td>Optional Receptacle</td><td>GFI LPIUC: 120V, 15 Amp Duplex GFCI receptacles with a low-profile in-use cover USB LPIUC: 120V, 15 Amp Duplex USB/ Receptacle combo with a low-profile in-use cover (NON-GFCI)</td></tr><tr><td>Optional Chain Loop</td><td>CL1: Single Chain Loop CL2: Double Chain Loops at 180°</td></tr></table>	Model	806LED-346B: Harbortown	Overall Height (In Inches)	24", 30", 36", 42", 48"	Optional Receptacle	GFI LPIUC: 120V, 15 Amp Duplex GFCI receptacles with a low-profile in-use cover USB LPIUC: 120V, 15 Amp Duplex USB/ Receptacle combo with a low-profile in-use cover (NON-GFCI)	Optional Chain Loop	CL1: Single Chain Loop CL2: Double Chain Loops at 180°
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					<table><tr><td>Finish</td><td>BKT: Black Textured PGT: Park Green Textured DBT: Dark Bronze Textured SI: Swedish Iron UGMT: Urban Gun Metal Textured UBT: Urban Bronze Textured USLT: Urban Silver Textured UWHT: Urban White Textured OI: Old Iron WBR: Weathered Brown WBK: Weathered Black CM: Custom Match</td><td>WHT: White Textured ABZT: Arch Med Bronze Tex VG: Verde Green OWGT: Old World Gray Tex UGM: Urban Gun Metal Matte UB: Urban Bronze Matte USL: Urban Silver Matte UWH: Urban White Matte RT: Rust CD: Cedar TT: Two Tone</td></tr></table>	Finish	BKT: Black Textured PGT: Park Green Textured DBT: Dark Bronze Textured SI: Swedish Iron UGMT: Urban Gun Metal Textured UBT: Urban Bronze Textured USLT: Urban Silver Textured UWHT: Urban White Textured OI: Old Iron WBR: Weathered Brown WBK: Weathered Black CM: Custom Match	WHT: White Textured ABZT: Arch Med Bronze Tex VG: Verde Green OWGT: Old World Gray Tex UGM: Urban Gun Metal Matte UB: Urban Bronze Matte USL: Urban Silver Matte UWH: Urban White Matte RT: Rust CD: Cedar TT: Two Tone					
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Arch Med Bronze Tex	Park Green Textured	White Textured	Custom Match	Black Textured									
					Light Source <table><tr><td>LED</td><td>1L: 1 LED</td></tr></table>	LED	1L: 1 LED						
LED	1L: 1 LED												
Urban White Matte	Urban White Textured	Urban Silver Matte	Urban Silver Textured	Urban Bronze Matte									
													
Urban Gun Metal Matte	Urban Bronze Textured	Urban Gun Metal Textured											

Distribution Type



7 Year Warranty



CCT - Color Temp (K)



Certifications



CCT - Color Temp (K)	27: 2,700K
	30: 3,000K
	35: 3,500K
	40: 4,000K
	50: 5,000K

Distribution Type	T2: Type 2
	T3: Type 3
	T4: Type 4
	T5: Type 5

Electrical and control

Driver	MDL02: 120V-277V, 200mA
	MDH02: 347V-480V, 200mA
	MDL04: 120V-277V, 400mA
	MDH04: 347V-480V, 400mA

Optional Photocell	PCD: Electronic Button Photocontrol, mounted on an access door (120V-277V)
	PCD4: Electronic Button Photocontrol, mounted on an access door (480V)

Features

Optional Fuse	FHD: Double Fuse and Holder
Optional Fixed Dimming Resistor Board	FDRB: Fixed Dimming Resistor Board

How to Order

Model	Overall Height (In Inches)	LED	CCT - Color Temp (K)	Distribution Type	Driver	Optional Photocell ⁽¹⁾ ⁽²⁾	Optional Fuse ⁽³⁾	Optional Receptacle ⁽¹⁾ ⁽²⁾	Optional Chain Loop	Optional Fixed Dimming Resistor Board	Finish
806LED-346B Harbortown	24IN 24"	1L 1 LED	27 2,700K	T2 Type 2	MDL02 120V-277V, 200mA	PCD Electronic Button Photocontrol, mounted on an access door (120V- 277V) PCD4 Electronic Button Photocontrol, mounted on an access door (480V)	FHD Double Fuse and Holder	GFI LPIUC 120V, 15 Amp Duplex GFCI receptacles with a low- profile in- use cover USB LPIUC 120V, 15 Amp Duplex USB/ Receptacle combo with a low-profile in-use cover (NON-GFCI)	CL1 Single Chain Loop CL2 Double Chain Loops at 180°	FDRB Fixed Dimming Resistor Board	BKT Black Textured ⁽⁴⁾
	30IN 30"		30 3,000K	T3 Type 3	MDH02 347V-480V, 200mA						WHT White Textured ⁽⁴⁾
	36IN 36"		35 3,500K	T4 Type 4	MDL04 120V-277V, 400mA						PGT Park Green Textured ⁽⁴⁾
	42IN 42"		40 4,000K	T5 Type 5	MDH04 347V-480V, 400mA						ABZT Arch Med Bronze Tex ⁽⁴⁾
	48IN 48"		50 5,000K								DBT Dark Bronze Textured ⁽⁴⁾
											VG Verde Green
											SI Swedish Iron
											OWGT Old World Gray Tex
											UGMT Urban Gun Metal Textured
											UGM Urban Gun Metal Matte
											UBT Urban Bronze Textured
											UB Urban Bronze Matte
											USLT Urban Silver Textured
											USL Urban Silver Matte
											UWHT Urban White Textured
											UWH Urban White Matte
											OI Old Iron ⁽⁵⁾
											RT Rust ⁽⁵⁾
											WBR Weathered Brown ⁽⁵⁾
											CD Cedar ⁽⁵⁾
											WBK Weathered Black ⁽⁵⁾
											TT Two Tone ⁽⁵⁾
											CM Custom Match ⁽⁵⁾

Notes:

1. Requires 30" minimum bollard height.

2. Mounted at a minimum height of 12".

3. Ships loose for installation in base.

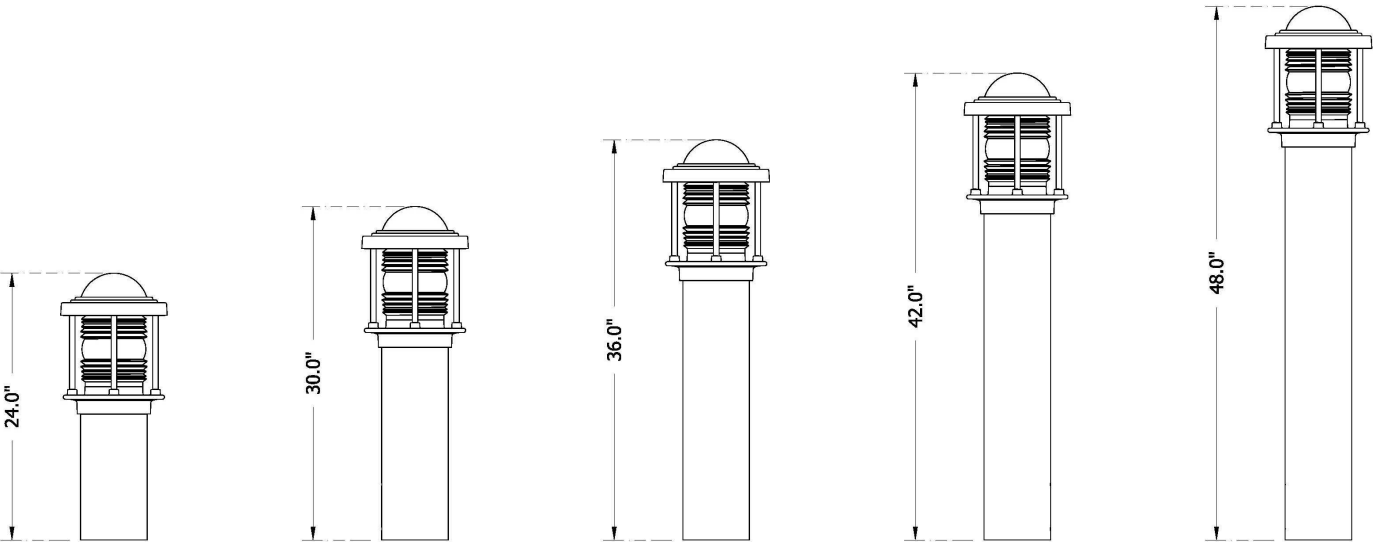
4. Smooth finishes are available upon request.

5. Custom colors require upcharge.

Installation	Four 3/8" diameter, hot-dipped galvanized "L" type anchor bolts shall be provided with the bollard for anchorage, they shall be mounted in a 3.25" bolt circle, diamond pattern. It will include tamper resistant stainless steel hardware and will be provided with a grounding stud on the base. The base will also include a 2.25" conduit opening.
Construction	Features a shaft consisting of 6" diameter 6063 extruded aluminum tubing having a wall thickness of 1/4". The anchor base shall be 6" diameter and made of heavy cast aluminum having a floor thickness of 5/8".
Connection	The luminaire slip fits the 6" shaft and is held in place with tamper resistant stainless steel hardware.
Hardware	Includes Stainless steel hardware. Most finishes will include hardware with a Black Oxide conversion coating. Light finishes will get non-color coated hardware (Whites and Silvers)
Glass Lens	Includes a clear glass cylindrical Fresnel lens with a minimum wall thickness of .28". The horizontal sections help distribute the light while offering glare mitigation.
UL Listing	UL listed per UL1598 and CSA 22.2 No. 250.0 for the United States and Canada. Suitable for Wet Locations.
Electronic Driver	The LED driver is UL recognized and will be securely mounted inside the fixture, for optimized performance and longevity. It will be supplied with a quick-disconnect electrical connector on the power supply, providing easy power connections for fixture installation and maintenance. It will have DC voltage output and be a constant current design. It runs at 50/60HZ and will have overload, overheat, and short circuit protection. It will be supplied with a supplemental line-ground, line-neutral and neutral-ground electrical surge protection in accordance with IEEE/ANSI C62.41.2 guidelines. It will be a high efficiency driver with a THD less than 20% and a high-power factor greater than .9. It will be dimming capable using a 0-10V signal, consult factory for more information.
Finish	Our 6 Stage Polyester Powder coat paint system offers a beautiful high-end finish that holds up to even the most extreme environments. Each part is inspected for quality and consistency before being released for shipment. Our system exceeds AAMA 2604, AAMA 2605, ASTM D523 and ASTM D4214 requirements.
Urban Finish	The Urban finish palette was created to highlight a modern, elegant aesthetic. All finishes are a 1 part powder coat with metallic flakes for a superior appearance. Finishes are available in textured or matte. Available finishes include: Black Textured, Urban Gun Metal, Urban Bronze, Urban Silver and Urban White
Traditional Finish	Traditional paint finishes are available in Sternberg Lighting's Traditional product line. A range of colors help accent the decorative elements on the product. Finishes are available in textured or smooth. Available finishes include: Black, White, Park Green, Architectural Medium Bronze and Dark Bronze
Sternberg Select Finish	The Sternberg Select antique-inspired palette adds a touch of vintage elegance to modern applications. Old World Gray Textured is a 1 part powder coat with metallic flakes. Verde Green and Swedish Iron is a 2 part finish that includes a powder coat base coat with a hand applied antique top coat. The top coat is unique to each application and changes over time.
Custom Finish	Custom finishes are offered to adapt to any application. Rust, Weathered Brown and Cedar are special 1 part powder coat finishes with a distinctive look. Old Iron and Weathered Black are 2 part finishes that includes a powder coat base coat with a hand applied antique top coat. The top coat is unique to each application and changes over time. Two-Tone and Custom Match options are available to blend Sternberg product with the site, consult factory for more information.
Warranty	7-year limited warranty. See Website for Terms and Conditions.

LEDs	The LEDs in this system will be fully shielded in a direct downward position to maximize efficiency. The luminaire shall use high output, high brightness LEDs, consisting of a two piece assembly complete with Chip on Board (COB) LED component and COB holder frame. The LEDs shall be 100% recyclable; not contain lead, mercury or any other hazardous substances and shall be RoHS compliant. Lumen maintenance shall be determined in accordance with IESNA TM-21, based on LED manufacturer LM-80 test data of no less than 6,000 hours and in-situ testing of the luminaire by an NVLAP accredited Energy Efficient Lighting Products lab. The high performance white LED's will have a predicted lumen depreciation of approximately 100,000 hours with greater than 70% of initial output at 25°C. The High Brightness, High Output LEDs shall be 4000K (2700K, 3000K, 3500K or 5000K option) correlated color temperature (CCT) with a 70 (minimum) color rendering index (CRI). Consult factory for custom color CCT. The luminaire shall have a minimum _____ (see table) delivered initial lumen rating when operated at steady state with an average ambient temperature of 25°C (77°F). CCT Lumen Derate Values from 4,000K 2,700K (80+ CRI)=.88 3,000K (70+ CRI)=.97 3,500K (80+ CRI)=.93 5,000K (70+ CRI)=1.01
Optics	The luminaire shall be provided with individual, refractor type optics applied to each LED. The luminaire shall provide Type ____ (2, 3, 4 or 5) light distribution per the IESNA classifications. Testing shall be done in accordance with IESNA LM-79.
Fixed Dimming Resistor Board (FDRB)	Optional numbered 10-step selector switch allows for fine adjustment of the light levels in the field, repeatable from location to location. Offers dimming from 25% to 100% of the original output. Enclosure is composite material, sealed to protect components for the life of the product.
Photocontrols	Button Photocell (On Plate): Optional photocontrol shall be mounted on a plate and installed on the pole shaft. The electronic button type photocontrol is instant on with a 5-10 second turn off, and shall turn on at 1.5 footcandles with a turn-off at 2-3 footcandles.
Receptacle	Optional 120V duplex 15A GFI (GFI LPIUC) or NON-GFI/5A USB combo duplex receptacle (USB LPIUC) installed in proprietary "Low-Profile" box with a lockable In-Use cover (lock not included).
Chain Loop	A single (CL1) or double (CL2) steel chain loop can be added to the bollard. The loop is painted to match the unit. Does not include chain. Consult factory for painted chain

Dimensions



Lumen Chart(s)

Model #	T2 DELIVERED LUMENS	BUG	EFFICACY (LPW)	T3 DELIVERED LUMENS	BUG	EFFICACY (LPW)	T4 DELIVERED LUMENS	BUG	EFFICACY (LPW)	T5 DELIVERED LUMENS	BUG	EFFICACY (LPW)	WATTAGE
1L-40-T ₂ -MDL04	1320	B1U3G2	82.5	1330	B1U3G2	83.1	1475	B1U3G2	92.2	1470	B1U3G2	91.9	16
1L-30-T ₂ -MDL04	1285	B1U3G2	80.3	1295	B1U3G2	80.9	1435	B1U3G2	89.7	1435	B1U3G2	89.7	16
1L-27-T ₂ -MDL04	1170	B1U3G2	73.1	1180	B1U3G2	73.8	1305	B1U3G2	81.6	1300	B1U3G2	81.3	16
1L-40-T ₂ -MDL02	695	B0U3G1	86.9	685	B0U3G1	85.6	755	B0U3G1	94.4	780	B0U3G1	97.5	8
1L-30-T ₂ -MDL02	675	B0U3G1	84.4	670	B0U3G1	83.8	735	B0U3G1	91.9	760	B0U3G1	95.0	8
1L-27-T ₂ -MDL02	615	B0U3G1	76.9	605	B0U3G1	75.6	670	B0U3G1	83.8	690	B0U3G1	86.3	8

Options



Low-Profile In-Use Cover
(GFI LPIUC/USB LPIUC)



Button Photocell On Door (PCD)

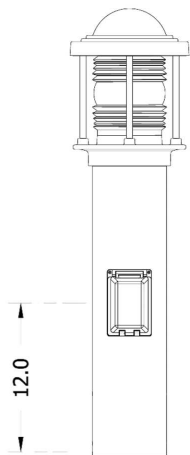


Fixed Dimming Resistor Board (FDRB)

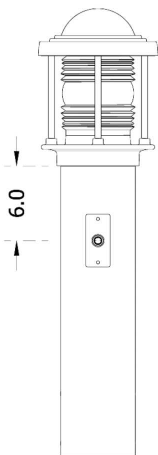


Double Fuse Holder & (2) 3A Fuses
(FHD)

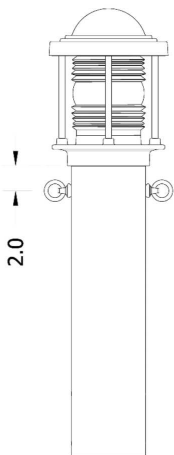
Option Locations



Low-Profile In-Use Cover
(GFI LPIUC/USB LPIUC)



Button Photocell On Door
(PCD/PCD4)



Chain Loops
(CL1/CL2)