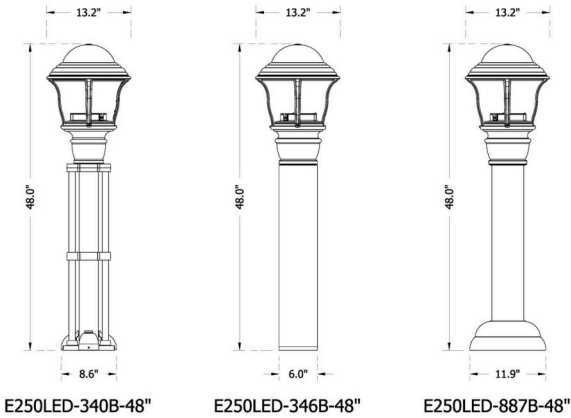


Project Name _____

Qty _____

Type _____

Catalog / Part Number _____



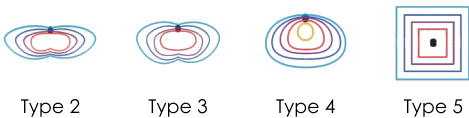
Certifications



Finish



Distribution Type



Description

The E250LED and E260LED Euro bollard uses small scale fixtures that includes a die-cast aluminum roof, fitter and (4) sweeping support legs. The base portion is offered in a variety of styles from simple to ornate. This unique family adapts classic design elements in a more contemporary package.

Available in heights: 36", 42", 48", 54" and 60"

Features

Model	E250LED-340B: Open Body, Multi-Tube Bollard E260LED-340B: Full Body Lens, Multi-Tube Bollard E250LED-346B: Open Body, Low-Profile Base Bollard E260LED-346B: Full Body Lens, Low-Profile Base Bollard E250LED-887B: Open Body, Decorative Base Bollard E260LED-887B: Full Body Lens, Decorative Base Bollard
Overall Height (In Inches)	36", 42", 48", 54", 60"
Lens	CA: Clear Acrylic FA: Frosted Acrylic FL: Flat Lens SV1: Flat SoftVue™ Light Diffused Acrylic SV2: Flat SoftVue™ Moderate Diffused Acrylic
Optional Chain Loop	CL1: Single Chain Loop CL2: Double Chain Loops at 180°
Optional Fuse	FHD: Double Fuse and Holder
Optional Photocell	PCD: Electronic Button Photocontrol, mounted on an access door (120V-277V) PCD4: Electronic Button Photocontrol, mounted on an access door (480V)
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)

CCT - Color Temp (K)



anchor bolts



Optional House Side Shield	BLOC: Back Light Optical Control
Optional Fixed Dimming Resistor Board	FDRB: Fixed Dimming Resistor Board
Finish	BKT: Black Textured WHT: White Textured PGT: Park Green Textured ABZT: Arch Med Bronze Tex DBT: Dark Bronze Textured CM: Custom Match OI: Old Iron RT: Rust WBR: Weathered Brown CD: Cedar WBK: Weathered Black TT: Two Tone VG: Verde Green SI: Swedish Iron OWGT: Old World Gray Tex

Light Source

LED	04L: 4 LEDs 08L: 8 LEDs 12L: 12 LEDs 16L: 16 LEDs
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
Driver	MDL008: 120V-277V, 80mA MDH008: 347V-480V, 80mA MDL009: 120V-277V, 90mA MDH009: 347V-480V, 90mA

Important

Virtual Patent Marking Notice

This website (<https://www.lmpg.com/patents-trademarks>) is provided to satisfy the virtual patent marking provisions of applicable jurisdictions. Some products listed may be covered by additional patents not referenced here.

How to Order

Model	Overall Height (In Inches)	LED	CCT - Color Temp (K)	Distribution Type	Driver	Lens
E250LED-340B Open Body, Multi-Tube Bollard	36IN 36"	04L 4 LEDs	27 2,700K	T2 Type 2	MDL008 120V-277V, 80mA ⁽¹⁾	CA Clear Acrylic ⁽³⁾
E260LED-340B Full Body Lens, Multi-Tube Bollard	42IN 42"	08L 8 LEDs	30 3,000K	T3 Type 3	MDH008 347V-480V, 80mA ⁽¹⁾	FA Frosted Acrylic ⁽³⁾
E250LED-346B Open Body, Low-Profile Base Bollard	48IN 48"	12L 12 LEDs	35 3,500K	T4 Type 4	MDL009 120V-277V, 90mA ⁽²⁾	FL Flat Lens ⁽⁴⁾
E260LED-346B Full Body Lens, Low-Profile Base Bollard	54IN 54"	16L 16 LEDs	40 4,000K	T5 Type 5	MDH009 347V-480V, 90mA ⁽²⁾	SV1 Flat SoftVue™ Light Diffused Acrylic ⁽⁴⁾
E250LED-887B Open Body, Decorative Base Bollard	60IN 60"		50 5,000K			SV2 Flat SoftVue™ Moderate Diffused Acrylic ⁽⁴⁾
E260LED-887B Full Body Lens, Decorative Base Bollard						

Notes:

- 1. 04L, 08L and 12L system only.
- 2. 16L system only.
- 3. For Full Body Lens "60" model only.
- 4. For Open Body "50" model only.

How to Order

Optional Chain Loop	Optional Fuse ⁽⁵⁾	Optional Photocell ⁽⁴⁾	Optional Receptacle ⁽⁴⁾ ⁽⁷⁾	Optional House Side Shield ⁽⁸⁾	Optional Fixed Dimming Resistor Board	Finish
CL1 Single Chain Loop CL2 Double Chain Loops at 180°	FHD Double Fuse and Holder	PCD Electronic Button Photocontrol, mounted on an access door (120V-277V) PCD4 Electronic Button Photocontrol, mounted on an access door (480V)	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)	BLOC Back Light Optical Control	FDRB Fixed Dimming Resistor Board	BKT Black Textured ⁽⁹⁾ WHT White Textured ⁽⁹⁾ PGT Park Green Textured ⁽⁹⁾ ABZT Arch Med Bronze Tex ⁽⁹⁾ DBT Dark Bronze Textured ⁽⁹⁾ CM Custom Match ⁽¹⁰⁾ OI Old Iron ⁽¹⁰⁾ RT Rust ⁽¹⁰⁾ WBR Weathered Brown ⁽¹⁰⁾ CD Cedar ⁽¹⁰⁾ WBK Weathered Black ⁽¹⁰⁾ TT Two Tone ⁽¹⁰⁾ VG Verde Green SI Swedish Iron OWGT Old World Gray Tex

Notes:

5. Ships loose for installation in base.

6. Not available on (3408)

7. Requires 42" minimum bollard height.
8. Not for use with T5 optic.

9. Smooth finishes are available upon request.

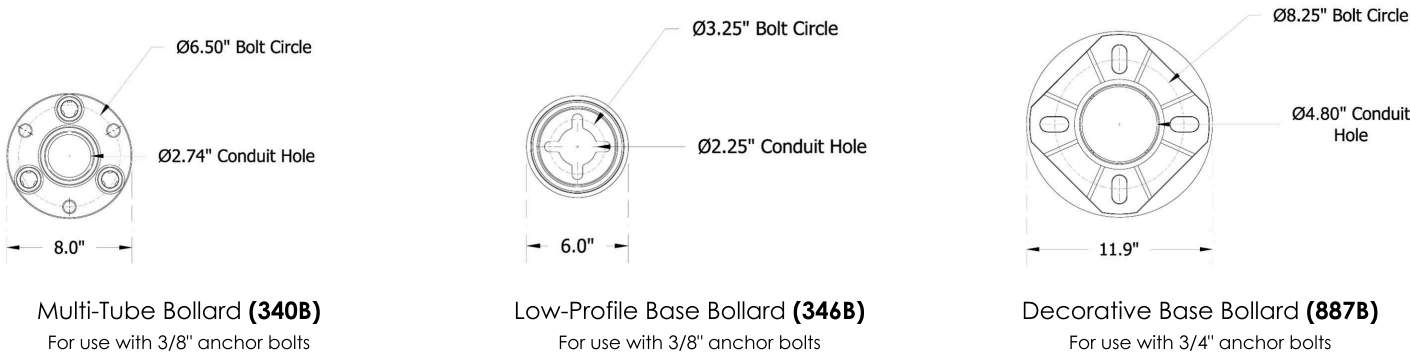
10. Custom colors require upcharge.

Specifications

Installation	Hot-dipped galvanized "L" type anchor bolts shall be provided with the post for anchorage. It will include tamper resistant stainless steel hardware. The bollard will be provided with a grounding stud on the base. (340B) - Requires Three 3/8" diameter anchor bolts in a 6.5" bolt circle. It will include a 2.74" conduit opening on base. (346B) - Requires Four 3/8" diameter anchor bolts in a 3.25" bolt circle, diamond pattern. It will include a 2.25" conduit opening on base. (887B) - Requires Four 3/4" diameter anchor bolts in a 8.25" bolt circle, diamond pattern. It will include a 4.8" conduit opening on base. CONCRETE FOOTING DESIGN BY OTHERS
Construction	(340B) - Features a multi-tube shaft consisting of a 3" diameter 6061 extruded aluminum tube having a wall thickness of 1/8". It is surrounded by three 1" diameter 6061 extruded aluminum tubes having a wall thickness of 1/4" spaced at 120° and supported by two cast aluminum braces. The anchor base shall be 8" diameter and made of heavy cast aluminum having a floor thickness of 3/4". (346B) - 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". (887B) - Features a shaft consisting of 5" diameter 6061 extruded aluminum tubing having a wall thickness of 1/4". The anchor base shall be 9.38" square and made of heavy cast aluminum having a floor thickness of 3/4". A 11.9" diameter x 4.63" tall decorative cover is included to cover the base.
Connection	The lower portion of the bollard includes an aluminum tenon for attachment.
Fitter	The fitter shall be heavy wall die cast aluminum for high tensile strength. It includes 4 stainless steel Allen-head set screws for attachment to a pole/tenon. (340B) - The luminaire features a fitter that slip fits a 4" OD x 2.5" tall tenon (346B) -The luminaire features a fitter that slip fits a 5" OD x 2.5" tall tenon (887B) -The luminaire features a fitter that slip fits the 5" OD bollard shaft
Lens	Optional glare reducing SoftVue™ lens provides optimal visual comfort. E250LED: Uses a .125" thick flat acrylic lens. Offered in clear (FL), Soft Vue Medium Diffused Acrylic (SV1) or Soft Vue Heavy Diffused Acrylic (SV2) E260LED: Uses a .125" thick impact modified acrylic full body formed lens. Offered in clear (CA) or fully frosted (FA)
UL Listing	UL listed per UL1598 and CSA C22.2 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.
NightSky® Friendly	Dark sky design properties with a U0 BUG rating for specific configurations.
IP Rating	IP65 rated optical module for enhanced protection against dust and water intrusion.
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.
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.
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 LEDs are mounted to maximize thermal transfer to the heat sink surface. 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 LEDs 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 white LEDs shall be 4000K nominal (2700K, 3000K, 3500K or 5000K optional) correlated color temperature (CCT) with a 70 (minimum) color rendering index (CRI). Consult factory for custom CCT or CRI. The luminaire shall have a minimum _____ (see table) delivered initial lumens when operated at steady state with an average ambient temperature of 25°C (77°F). CCT Lumen Derate Values from 4,000K 2,700K (70+ CRI)=.92 3,000K (70+ CRI)=.95 3,500K (70+ CRI)=1.03 5,000K (70+ CRI)=1.00
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.
Backlight Optical Control	BLOC Optic (BLOC): An optional "Back Light Optical Control" shield can be provided at the factory. This is an internal optic level "House Side Shield" offering significantly reduced backlight and glare while maintaining the original design aesthetics of the luminaire.
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

Anchor Base Detail



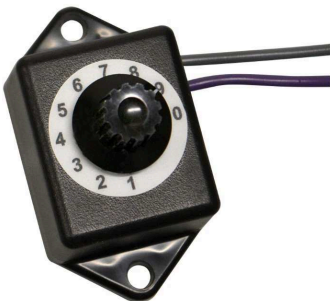
Options



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



Button Photocell On Door (PCD)

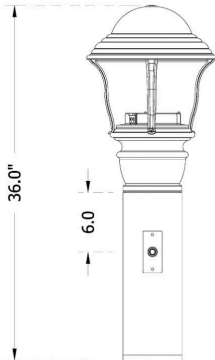


Fixed Dimming Resistor Board
(FDRB)

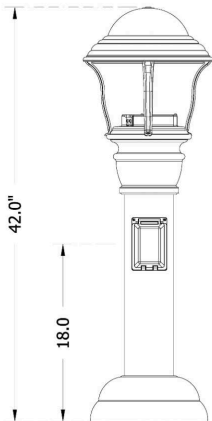


Double Fuse Holder & (2) 3A Fuses
(FHD)

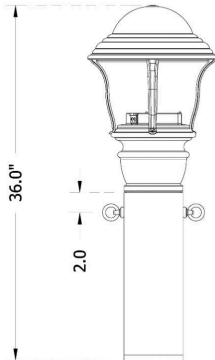
Option Locations



Button Photocell On Door
(PCD/PCD4)

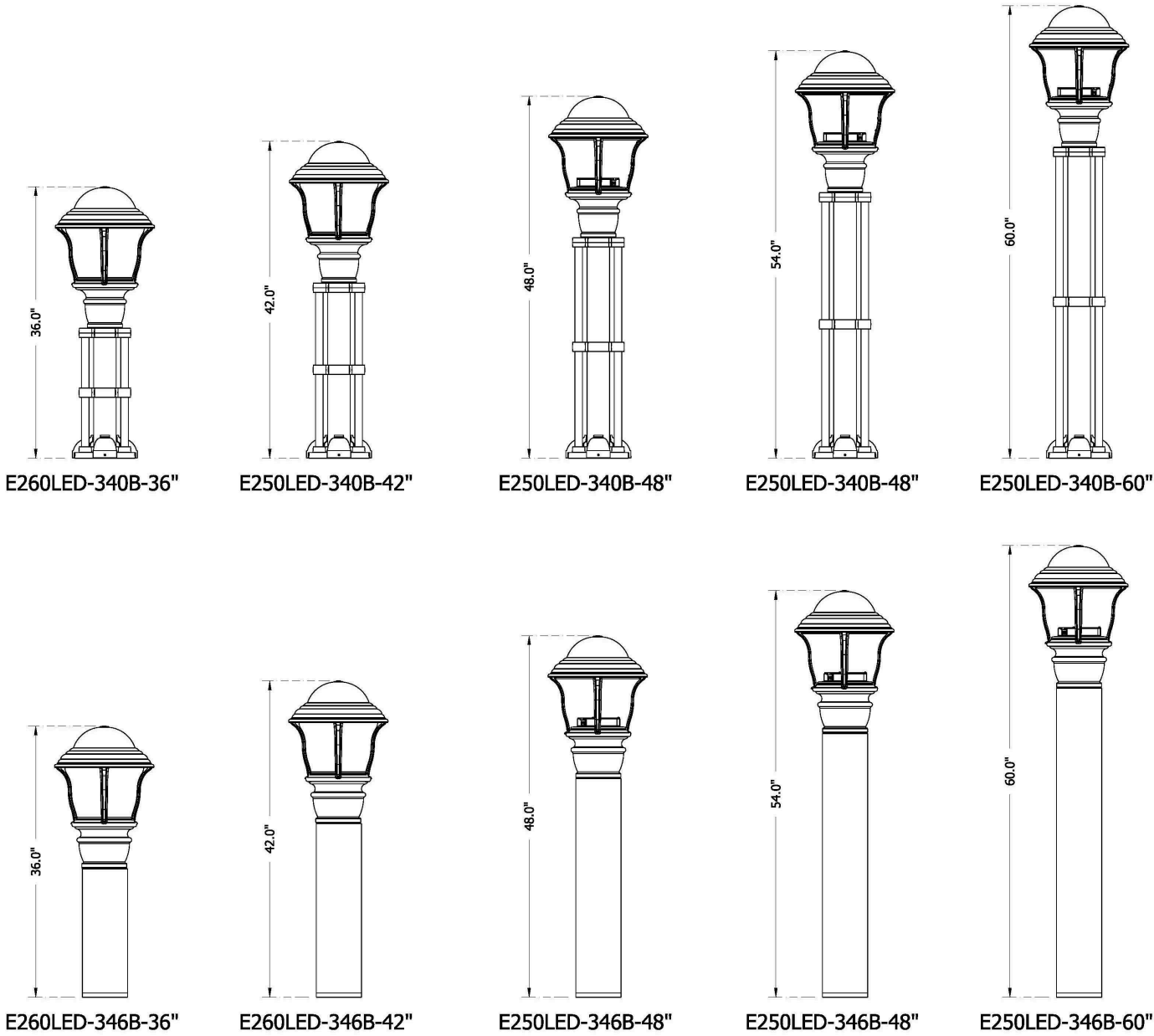


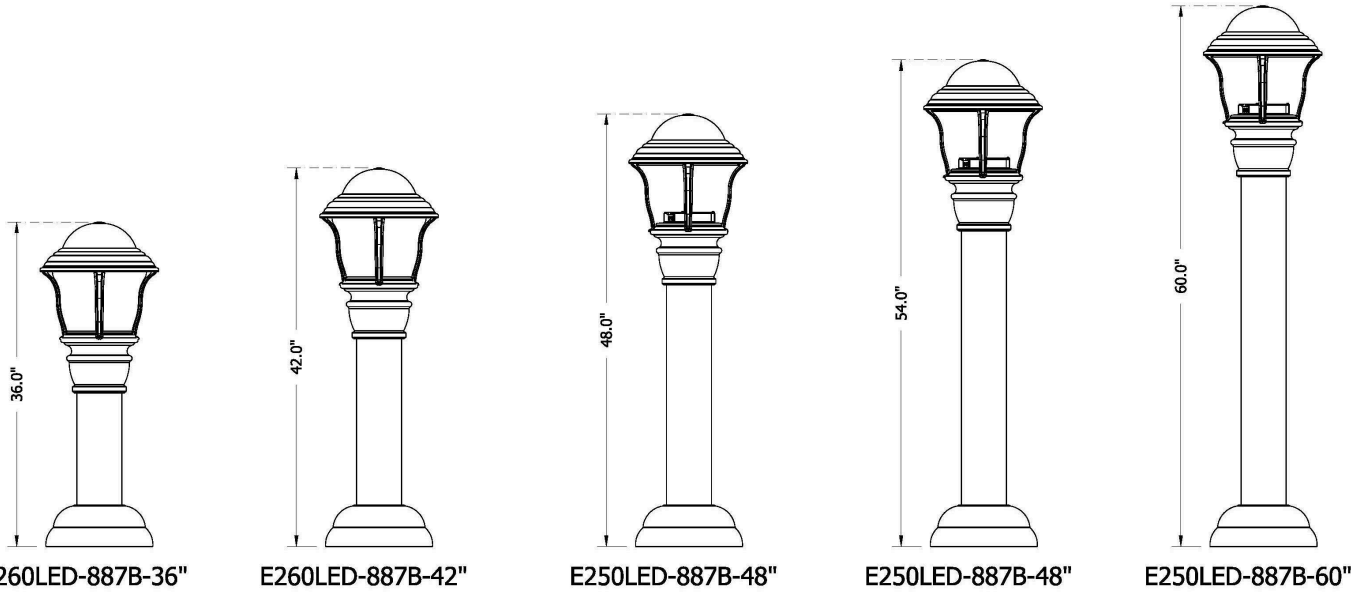
Low-Profile In-Use Cover
(GFI LPIUC/USB LPIUC)



Chain Loops
(CL1/CL2)

Dimensions





Lumen Chart(s)

Tested with CLEAR lens

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
16L40T_-MDL009	3590	B1U0G1	94.5	3445	B1U0G1	90.7	3715	B1U0G1	97.8	4130	B2U0G1	108.7	38
16L30T_-MDL009	3425	B1U0G1	90.1	3285	B1U0G1	86.4	3540	B1U0G1	93.2	3940	B2U0G1	103.7	38
16L27T_-MDL009	3310	B1U0G1	87.1	3180	B1U0G1	83.7	3425	B1U0G1	90.1	3810	B2U0G1	100.3	38
12L40T_-MDL008	2440	B1U0G1	90.4	2360	B1U0G1	87.4	2530	B1U0G1	93.7	2800	B1U0G0	103.7	27
12L30T_-MDL008	2325	B1U0G1	86.1	2250	B1U0G1	83.3	2410	B1U0G1	89.3	2670	B1U0G0	98.9	27
12L27T_-MDL008	2250	B1U0G1	83.3	2175	B1U0G1	80.6	2335	B1U0G1	86.5	2585	B1U0G0	95.7	27
8L40T_-MDL008	1745	B1U0G0	96.9	1625	B1U0G1	90.3	1740	B0U0G0	96.7	1910	B1U0G0	106.1	18
8L30T_-MDL008	1665	B1U0G0	92.5	1550	B1U0G1	86.1	1660	B0U0G0	92.2	1820	B1U0G0	101.1	18
8L27T_-MDL008	1610	B1U0G0	89.4	1500	B1U0G1	83.3	1605	B0U0G0	89.2	1760	B1U0G0	97.8	18
4L40T_-MDL008	875	B0U0G0	79.5	895	B0U0G1	81.4	965	B0U0G0	87.7	1080	B1U0G1	98.2	11
4L30T_-MDL008	835	B0U0G0	75.9	855	B0U0G1	77.7	920	B0U0G0	83.6	1030	B1U0G1	93.6	11
4L27T_-MDL008	805	B0U0G0	73.2	825	B0U0G1	75.0	890	B0U0G0	80.9	995	B1U0G1	90.5	11

E250LED - Open Body

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
16L40T_-MDL009	3590	B3U0G3	94.5	3445	B3U0G3	90.7	3715	B3U0G3	97.8	4130	B4U0G2	108.7	38
16L30T_-MDL009	3425	B3U0G3	90.1	3285	B3U0G3	86.4	3540	B3U0G3	93.2	3940	B4U0G2	103.7	38
16L27T_-MDL009	3310	B3U0G3	87.1	3180	B3U0G3	83.7	3425	B3U0G3	90.1	3810	B4U0G2	100.3	38
12L40T_-MDL008	2440	B2U0G2	90.4	2360	B3U0G3	87.4	2530	B2U0G2	93.7	2800	B3U0G2	103.7	27
12L30T_-MDL008	2325	B2U0G2	86.1	2250	B3U0G3	83.3	2410	B2U0G2	89.3	2670	B3U0G2	98.9	27
12L27T_-MDL008	2250	B2U0G2	83.3	2175	B3U0G3	80.6	2335	B2U0G2	86.5	2585	B3U0G2	95.7	27
8L40T_-MDL008	1745	B2U0G2	96.9	1625	B3U0G3	90.3	1740	B2U0G2	96.7	1910	B3U0G2	106.1	18
8L30T_-MDL008	1665	B2U0G2	92.5	1550	B3U0G3	86.1	1660	B2U0G2	92.2	1820	B3U0G2	101.1	18
8L27T_-MDL008	1610	B2U0G2	89.4	1500	B3U0G3	83.3	1605	B2U0G2	89.2	1760	B3U0G2	97.8	18
4L40T_-MDL008	875	B2U0G2	79.5	895	B2U0G2	81.4	965	B2U0G2	87.7	1080	B3U0G2	98.2	11
4L30T_-MDL008	835	B2U0G2	75.9	855	B2U0G2	77.7	920	B2U0G2	83.6	1030	B3U0G2	93.6	11
4L27T_-MDL008	805	B2U0G2	73.2	825	B2U0G2	75.0	890	B2U0G2	80.9	995	B3U0G2	90.5	11

E260LED - Full Body Lens