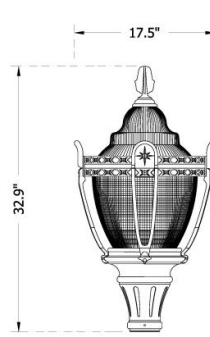
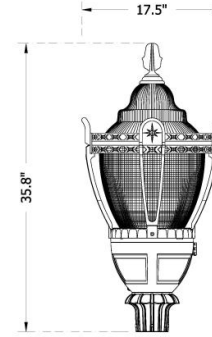


Project Name _____ Qty _____

Type _____ Catalog / Part Number _____

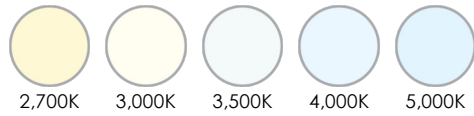


G77LED-5P



G77LED-991

CCT - Color Temperature (K)



7 Year Warranty



Certifications



Description

The G77LED Hartford series is a stylized nostalgic 1920's glass caged acorn fixture with distinct styling which consists of a decorative cast aluminum fitter, cage and high efficiency prismatic glass acorn with hinged top. It shall be appointed with a cast aluminum decorative 4-vane finial.

EPA: 1.58 (ft²) | WEIGHT: 33 LBS

Features

Mounting Configuration

- 1W:** Wall Mount
- 1A:** 1 Arm Mount
- 2A:** 2 Arm Mount @ 180°
- 2APT:** 2 Arm @ 180° & Post Top
- 3A90:** 3 Arms @ 90°
- 4A:** 4 Arms @ 90°
- 1AM:** 1 Arm Mid-Mount
- 450PB:** Pier Base
- PT:** Post Top
- 1APT:** 1 Arm & Post Top
- 2A90:** 2 Arm Mount @ 90°
- 3A:** 3 Arms @ 120°
- 3APT:** 3 Arm @ 120° & Post Top
- 4APT:** 4 Arm @ 90° & Post Top
- 2AM:** 2 Arm Mid-Mount @180°

Optional Control Receptacle

R7: 7-Pin control receptacle only

Optional Control

- PE:** Twist-Lock Photocontrol (120V-277V)
- PE4:** Twist-Lock Photocontrol (347V-480V)
- SC:** Shorting Cap
- PEC:** Electronic Button Photocontrol (120V-277V)
- PEC4:** Electronic Button Photocontrol (480V)

Optional Fuse

FHD: Double Fuse and Holder

Optional House Side Shield

HSS: 120° House Side Shield

Optional Fixed Dimming Resistor Board

FDRB: Fixed Dimming Resistor Board

Physical

Fixture

G77LED: G77LED

Fitter	5P: Standard Fitter 990: Utility-Fitter 991: Utility-Fitter 992: Utility-Fitter 993: Utility-Fitter 994: Utility-Fitter 995: Utility-Fitter BD4: Fitter, 4" Tenon BD5: Fitter, 5" Tenon BD7: Fitter, 7" Tenon OL3: Oak-Leaf, 3" tenon OL4: Oak-Leaf, 4" tenon C2097: Low-Profile Fitter
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Lens	G: Glass
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Optional Terminal Block	TB: Terminal Block
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Optional Receptacle	GFI: 120V, 15A Duplex GFI for Utility Fitter
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Finish	BKT: Black Textured	WHT: White Textured
	PGT: Park Green Textured	ABZT: Architectural Medium Bronze Textured
	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 Textured	

Light Source

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

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

Electrical and control

Driver	MDL02: 120V-277V, 250mA	MDH02: 347V-480V, 250mA
	MDL03: 120V-277V, 350mA	MDH03: 347V-480V, 350mA
	MDL05: 120V-277V, 500mA	MDH05: 347V-480V, 500mA
	MDL06: 120V-277V, 630mA	MDH06: 347V-480V, 630mA

Specifications

Available with Intellistreets® Technology

Intellistreets® is an integrated set of solutions offering the capability to see, hear, and record what's happening on your streets, through both cameras and audio sensors.

Fitter	<p>The fitter shall be heavy wall cast aluminum, 356 alloy for high tensile strength. It shall have an 8-1/2" inside diameter opening to attach to the 8" neck of the acorn globe. It includes 4 stainless steel Allen-head set screws for attachment. The fitter shall have a one-piece ring bug gasket to resist insect penetration into lamp assembly.</p> <p>Utility Fitter: The fitter shall be heavy wall cast aluminum, 360 die cast alloy for high tensile strength. It shall have a hinged, tool-less entry door that provides open access to all of the components. The 900 series shall have an optional terminal block for ease of wiring, an optional Twist-Lock Photocontrol receptacle, an optional single GFCI outlet for auxiliary power needs. The top mounted driver mounting plate shall be cast aluminum and provide tool-less removal from the housing using 2 finger latches. The fitter shall have a one-piece ring gasket to resist insect penetration into globe assembly. When supplied with GFCI receptacle a hole will be provided for cord and plug installation with the access door closed. When cord and plug is not in use a filler plug will be provided and shall be tethered to the fitter for easy recovery and installation.</p>
Serviceability	Tool-less access to the driver compartment after the acorn is removed allows for trouble free servicing of the LED Driver and Surge Suppressor.
UL Listing	UL listed per UL1598 for Wet Locations and CSA 22.2 No. 250.0 for the US and Canada.
Electronic Driver	The LED driver shall be securely mounted inside the fixture, for optimized performance and longevity and shall be U.L. Recognized. It shall be supplied with a quick-disconnect electrical connector on the power supply, providing easy power connections and fixture installation. It shall have overload, overheat and short circuit protection, and have a DC voltage output, constant current design, 50/60HZ. It shall be supplied with line-ground, line-neutral and neutral-ground electrical surge protection in accordance with IEEE/ANSI C62.41.2 guidelines. It shall be a high efficiency driver with a THD less than 20% and a high power factor greater than .9. It shall be dimming capable using a 0-10v signal, consult factory for more information.
Finish	6 Stage Polyester Powdercoat paint system.
Traditional Finishes	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.
Sternberg Select Finishes	Available with Sternberg Select Finishes in Verde Green, Swedish Iron, and Old World Gray Textured for a traditional aesthetic.
Warranty	7-year limited warranty (See Website for Terms and Conditions.)
LEDs	<p>The luminaire shall use high output, high brightness LED's, 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 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 LED's 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).</p> <p>CCT Lumen Derate Values from 4,000K</p> <p>2,700K (80+ CRI)=.89 3,000K (70+ CRI)=.97 3,500K (80+ CRI)=.93 5,000K (70+ CRI)=1.01</p>
Optics	The luminaire shall be provided with refractor type optics from the external prismatic acorn lens. The luminaire shall provide Type ___ (3, 4 or 5) light distribution per the IESNA classifications. Testing shall be done in accordance with IESNA LM-79.
Backlight Optical Control	An optional INTERNAL 120° House Side Shield helps control backlight.
FDRB	Optional 10-step field adjustable dimming board. Includes step dimming options from 25%-100%. The unit is conformal coated and UL recognized for use in damp locations.

Photocontrols

Button Photocell: The photocontrol shall be mounted on the fixture and pre-wired to driver. 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. See pole spec sheet for pole mounted version.

Twist-Lock Style (Utility Fitter): The photocontrol shall be mounted in the utility fitter and prewired to driver. Utility fitter includes acrylic window to read ambient light levels. The twist lock type photocontrol is instant on with a 3-6 second turn off, and shall turn on at 1.5 footcandles with a turnoff at 2-3 footcandles. Photocontrol is 120-277 volt and warranted for 6 years. For use with standard photocells only, not for use with a wireless network controller.

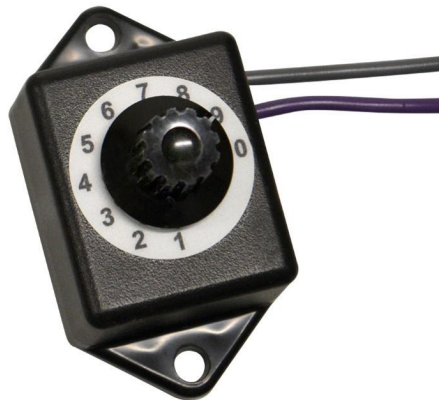
Lumen Chart(s)

Model #	T3 DELIVERED LUMENS	BUG	EFFICACY (LPW)	T4 DELIVERED LUMENS	BUG	EFFICACY (LPW)	T5 DELIVERED LUMENS	BUG	EFFICACY (LPW)	WATTAGE
4L40T_-MDL06	7575	B2U5G5	77.3	7870	B3U5G4	80.3	7960	B3U5G4	81.2	98
4L30T_-MDL06	7335	B2U5G5	74.8	7625	B3U5G4	77.8	7710	B3U5G4	78.7	98
4L27T_-MDL06	6670	B2U5G5	68.1	6930	B3U5G4	70.7	7010	B3U5G4	71.5	98
4L40T_-MDL05	6240	B2U4G5	83.2	6450	B3U4G4	86.0	6510	B3U4G3	86.8	75
4L30T_-MDL05	6045	B2U4G5	80.6	6245	B3U4G4	83.3	6305	B3U4G3	84.1	75
4L27T_-MDL05	5495	B2U4G5	73.3	5680	B3U4G4	75.7	5730	B3U4G3	76.4	75
4L40T_-MDL03	4905	B1U4G4	89.2	5045	B2U4G3	91.7	5100	B3U4G3	92.7	55
4L30T_-MDL03	4750	B1U4G4	86.4	4885	B2U4G3	88.8	4940	B3U4G3	89.8	55
4L27T_-MDL03	4320	B1U4G4	78.5	4440	B2U4G3	80.7	4490	B3U4G3	81.6	55
4L40T_-MDL02	3625	B1U3G3	90.6	3730	B2U4G3	93.3	3760	B3U4G3	94.0	40
4L30T_-MDL02	3510	B1U3G3	87.8	3615	B2U4G3	90.4	3640	B3U4G3	91.0	40
4L27T_-MDL02	3190	B1U3G3	79.8	3285	B2U4G3	82.1	3310	B3U4G3	82.8	40

Options



Button Photocell (PEC)



Fixed Dimming Resistor Board (FDRB)



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



5P Fitter
10-1/8" W x 10-3/8" H
Fits 3" OD x 3" tall tenon/pole



990 (or 994) Utility Fitter
10-1/2" W x 15-3/4" H
Fits 3" (or 4") OD x 3" tall tenon/pole



991 Utility Fitter
10-1/2" W x 13-1/8" H
Fits 3" OD x 3" tall tenon/pole



992 Utility Fitter
10-1/2" W x 13-1/8" H
Fits 3" OD x 3" tall tenon/pole



993 (or 995) Utility Fitter
10-1/2" W x 15-3/4" H
Fits 3" (or 4") OD x 3" tall tenon/pole



BD4 Fitter
10-1/8" W x 10-1/8" H
Fits 4" OD x 5" tall tenon/pole



BD5 Fitter
10-1/8" W x 10-1/4" H
Fits 5" OD x 6" tall tenon/pole



BD7 Fitter
10-1/8" W x 11-3/4" H
Fits 7" OD x 1" tall tenon/pole



OL3 (or OL4) Fitter
10-1/8" W x 10-3/8" H
Fits 3" (or 4") OD x 3" tall tenon/pole

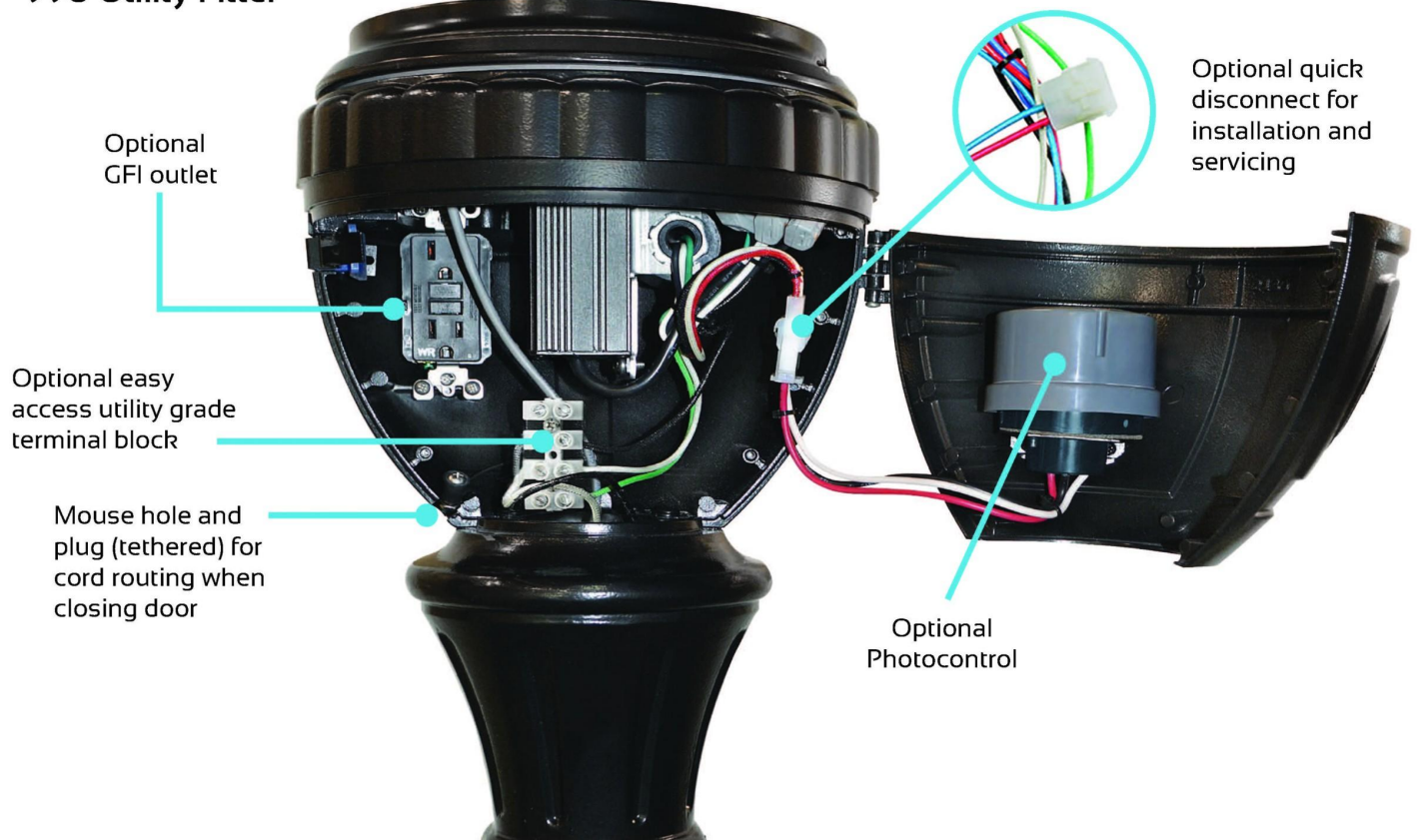


C2097 Fitter
10" W x 3-1/4" H
Fits 7" OD x 1" tall tenon/pole

Utility Fitter Details

Optional Accessories

990 Utility Fitter



How to order

Mounting Configuration	Fixture	Fitter	LED	CCT - Color Temperature (K)	Distribution Type	Driver	Lens
1W Wall Mount	G77LED G77LED	5P Standard Fitter	4L 4 LEDs	27 2,700K	T3 Type 3	MDL02 120V-277V, 250mA	G Glass
PT Post Top		990 Utility-Fitter		30 3,000K		T4 Type 4	
1A 1 Arm Mount		991 Utility-Fitter		35 3,500K	T5 Type 5	MDL03 120V-277V, 350mA	
1APT 1 Arm & Post Top		992 Utility-Fitter		40 4,000K		MDH03 347V-480V, 350mA	
2A 2 Arm Mount @ 180°		993 Utility-Fitter		50 5,000K		MDL05 120V-277V, 500mA	
2A90 2 Arm Mount @ 90°		994 Utility-Fitter				MDH05 347V-480V, 500mA	
2APT 2 Arm @ 180° & Post Top		995 Utility-Fitter				MDL06 120V-277V, 630mA	
3A 3 Arms @ 120°		BD4 Fitter, 4" Tenon				MDH06 347V-480V, 630mA	
3A90 3 Arms @ 90°		BD5 Fitter, 5" Tenon					
3APT 3 Arm @ 120° & Post Top		BD7 Fitter, 7" Tenon					
4A 4 Arms @ 90°		OL3 Oak-Leaf, 3" tenon					
4APT 4 Arm @ 90° & Post Top		OL4 Oak-Leaf, 4" tenon					
1AM 1 Arm Mid-Mount		C2097 Low-Profile Fitter ⁽¹⁾					
2AM 2 Arm Mid-Mount @ 180°							
450PB Pier Base							

Notes:

1. Consult factory for use on concrete poles.

How to order

Optional Control Receptacle ^{(2) (3)}	Optional Control	Optional Fuse ⁽⁴⁾	Optional Terminal Block ⁽²⁾	Optional Receptacle ⁽²⁾	Optional House Side Shield ⁽⁷⁾	Optional Fixed Dimming Resistor Board ⁽⁵⁾	Finish
R7 7-Pin control receptacle only	PE Twist-Lock Photocontrol (120V-277V) ⁽⁴⁾ PE4 Twist-Lock Photocontrol (347V-480V) ⁽⁴⁾ SC Shorting Cap ⁽⁴⁾ PEC Electronic Button Photocontrol (120V-277V) ⁽⁵⁾ PEC4 Electronic Button Photocontrol (480V) ⁽⁵⁾	FHD Double Fuse and Holder	TB Terminal Block	GFI 120V, 15A Duplex GFI for Utility Fitter	HSS 120° House Side Shield	FDRB Fixed Dimming Resistor Board	BKT Black Textured ⁽⁸⁾ WHT White Textured ⁽⁸⁾ PGT Park Green Textured ⁽⁸⁾ ABZT Architectural Medium Bronze Textured ⁽⁸⁾ DBT Dark Bronze Textured ⁽⁸⁾ CM Custom Match ⁽⁹⁾ OI Old Iron ⁽⁹⁾ RT Rust ⁽⁹⁾ WBR Weathered Brown ⁽⁹⁾ CD Cedar ⁽⁹⁾ WBK Weathered Black ⁽⁹⁾ TT Two Tone ⁽⁹⁾ VG Verde Green SI Swedish Iron OWGT Old World Gray Textured

Notes:

- 2. For 900 series utility fitter only.
- 3. Not for use with FDRB.
- 4. Requires control receptacle.
- 5. Not for use with R7.

- 6. Ships loose for installation in base.
- 7. Not for use with T5 optic.
- 8. Smooth finishes are available upon request.
- 9. Custom colors require upcharge.