

Project Name

Qty

Type

Catalog / Part Number

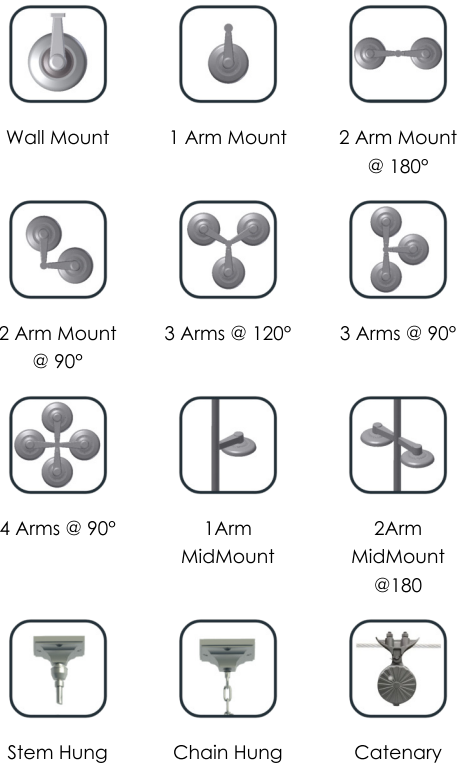


GL1970 - Large Gallery II						
Shade	Straight Edge (S)	Flared Edge (F)	Bell Edge (B)	Round with Flared Rim (RF)	Round with Round Rim (RR)	Round with Square Rim (RS)
Diameter	23.9"	23.9"	26"	25"	24.5"	23.8"
Height	17.9"	16.6"	18.2"	19.6"	19.1"	18.6"

Certifications



Mounting Configuration



Description

The GL1970 Gallery™ series is a large scale, decorative pendant luminaire with a cast aluminum driver housing and spun aluminum shades. The housing and shades is available in a variety of shapes and styles for any application. The luminaire measures 24" diameter and 18" overall height. The Luminaire shall be UL listed in US and Canada.
EPA: 0.9 (ft²) | WEIGHT: 56 LBS

Features

Luminaire	GL1970: Large Gallery	
Shade Style	S: Straight Edge	F: Flared Edge
	B: Bell Edge	RR: Round with Round Rim
	RF: Round with Flared Rim	RS: Round with Square Rim
Housing	BFR: Base Fixture Round	
	BFS: Base Fixture Stepped	
	GRR: Glow Rings Round	
	GRS: Glow Rings Stepped	
	SRR: Solid Rings Glow Top, Round	
	SRS: Solid Rings Glow Top, Stepped	
	GWR: Glow Window Round	
	GWS: Glow Window Stepped	
	BSR: Blank Top Solid Rings Round	
	BSS: Blank Top Solid Rings Stepped	
Lens	CA: Clear Acrylic	
	SA: Sag Acrylic	
	SV1: Flat SoftVue™ Light Diffused Acrylic	
	SV2: Flat SoftVue™ Moderate Diffused Acrylic	
	SV4: Flat SoftVue™ Maximum Diffused Acrylic	
	SV1SA: SoftVue™ Light Diffused Sag Acrylic	
Optional Control Receptacle	SV2SA: SoftVue™ Moderate Diffused Sag Acrylic	
	SV4SA: SoftVue™ Maximum Diffused Sag Acrylic	
	R7: 7-Pin control receptacle only	

Technologies



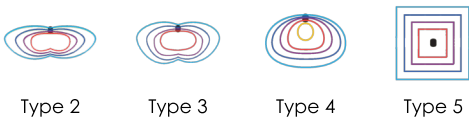
Finish



CCT - Color Temp (K)



Distribution Type



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 Hangstraight	HSHS: Standard Horizontal Hangstraight, Spike Finial HSHN: Standard Horizontal Hangstraight, No Finial HSHB: Standard Horizontal Hangstraight, Ball Finial EZ: Vertical Hangstraight, Large, “EZ” Mount	
Optional House Side Shield	BLOC: Back Light Optical Control	
Finish	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 BKT: Black Textured CM: Custom Match	
Light Source		
LED	16L: 16 LEDs 32L: 32 LEDs	24L: 24 LEDs 40L: 40 LEDs
CCT - Color Temp (K)	27: 2,700K 35: 3,500K 50: 5,000K	30: 3,000K 40: 4,000K
Distribution Type	T2: Type 2 T4: Type 4	T3: Type 3 T5: Type 5
Driver	MDL010: 120V-277V, 100mA MDL012: 120V-277V, 120mA MDL014: 120V-277V, 140mA MDL016: 120V-277V, 160mA MDS48V: DC Solar, 48V	MDH010: 347V-480V, 100mA MDH012: 347V-480V, 120mA MDH014: 347V-480V, 140mA MDH016: 347V-480V, 160mA

How to Order

Mounting Configuration	Overall Drop Length (In Inches) ⁽²⁾	Luminaire	Shade Style	Housing	LED	CCT - Color Temp (K)	Distribution Type	Driver	Lens
1W Wall Mount		GL1970 Large Gallery	S Straight Edge	BFR Base Fixture Round	16L 16 LEDs	27 2,700K	T2 Type 2	MDL010 120V-277V, 100mA ⁽³⁾	CA Clear Acrylic
1A 1 Arm Mount			F Flared Edge	BFS Base Fixture Stepped	24L 24 LEDs	30 3,000K	T3 Type 3	MDH010 347V-480V, 100mA ⁽³⁾	SA Sag Acrylic
2A 2 Arm Mount @ 180°			B Bell Edge	GRR Glow Rings Round	32L 32 LEDs	35 3,500K	T4 Type 4	MDL012 120V-277V, 120mA ⁽⁴⁾	SV1 Flat SoftVue™ Light Diffused Acrylic
2A90 2 Arm Mount @ 90°			RR Round with Round Rim	GRS Glow Rings Stepped	40L 40 LEDs	40 4,000K	T5 Type 5	MDH012 347V-480V, 120mA ⁽⁴⁾	SV2 Flat SoftVue™ Moderate Diffused Acrylic
3A 3 Arms @ 120°			RF Round with Flared Rim	SRR Solid Rings Glow Top, Round		50 5,000K		MDL014 120V-277V, 140mA ⁽³⁾	SV4 Flat SoftVue™ Maximum Diffused Acrylic
3A90 3 Arms @ 90°				SRS Solid Rings Glow Top, Stepped				MDH014 347V-480V, 140mA ⁽³⁾	SV1SA SoftVue™ Light Diffused Sag Acrylic
4A 4 Arms @ 90°				GWR Glow Window Round				MDL016 120V-277V, 160mA ⁽⁵⁾	SV2SA SoftVue™ Moderate Diffused Sag Acrylic
1AM 1 Arm MidMount			RS Round with Square Rim	GWS Glow Window Stepped				MDH016 347V-480V, 160mA ⁽⁵⁾	SV4SA SoftVue™ Maximum Diffused Sag Acrylic
2AM 2 Arm MidMount @ 180				BSR Blank Top Solid Rings Round				MDS48V DC Solar, 48V ⁽⁶⁾ ⁽⁷⁾	
SH44 Stem Hung				BSS Blank Top Solid Rings Stepped					
CH44 Chain Hung									
CAT Catenary ⁽¹⁾									

Notes:

1. Requires EZ hang-straight.

2. Required field for Stem or Chain Mounting Configuration.

3. 24L system only.

4. 16L, 32L and 40L systems only.
5. 40L system only.

6. Only available in 3,000K and 4,000K CCT.

7. Not for use with R7 and PEC control options.

How to Order

Optional Control Receptacle	Optional Control	Optional Fuse	Optional Hangstraight	Optional House Side Shield ⁽¹⁰⁾	Finish
R7 7-Pin control receptacle only ⁽⁸⁾	PE Twist-Lock Photocontrol (120V-277V) ⁽⁹⁾ PE4 Twist-Lock Photocontrol (347V-480V) ⁽⁹⁾ SC Shorting Cap ⁽⁹⁾ PEC Electronic Button Photocontrol (120V-277V) PEC4 Electronic Button Photocontrol (480V)	FHD Double Fuse and Holder	HSHS Standard Horizontal Hangstraight, Spike Finial HSHN Standard Horizontal Hangstraight, No Finial HSHB Standard Horizontal Hangstraight, Ball Finial EZ Vertical Hangstraight, Large, "EZ" Mount	BLOC Back Light Optical Control ⁽¹¹⁾	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 BKT Black Textured CM Custom Match

Notes:

8. Only available with HORIZONTAL hangstraight.
9. Requires control receptacle.
10. Not for use with T5 optic.
11. Only available with T2, T3 and T4.

Specifications

Housing	The heavy wall permanent mold heat sink is constructed of low-copper aluminum 356 alloy for enhanced corrosion resistance and high tensile strength. The finned heat sink efficiently dissipates heat from the source and is covered with an spun aluminum shade.
LED Module	The field replaceable internal LED module comes factory sealed with an IP66 rating. The internal heat sink is sealed to the lens to protect the LED platform from the outside elements.
Hang-Straight	A hang-straight transition is required for most hanging mounting configurations. The Standard (HSX) is an aluminum ball and swivel horizontal hang-straight. Available with a spike (S), a ball (B), or no finial (N). The hang-straight slips a 4" long by 2-3/8" OD horizontal tenon. The (EZ) is a cast stainless steel ball and swivel vertical hang-straight. The special 2-part design allows for easy installation. It is factory installed under an arm and on the fixture.
Catenary Mount	The Catenary mount option includes a cast aluminum span wire clamp, which accommodates cables 1/4"-5/8" in diameter. Below the clamp is a decorative cast aluminum wire box and cover which transitions to the EZ vertical Hangstraight for fixture attachment. Aircraft Cable by others.
Solar Power System	Luminaire available for integration with solar platforms (controller, panel, and batteries by others) with a 48VDC (MDS48V) board configuration. Offered in 3,000K or 4,000K CCT Max drive current (mA) is based on the number of LEDs: 16L = 960mA 24L = 1,680mA 32L = 2,240mA 40L = 2,800mA Consult solar platform manufacturer to confirm compatibility with the voltages and system currents above.
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)
Lens	Optional glare reducing SoftVue™ lens provides optimal visual comfort.
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	IP66 rated luminaire 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.
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
Custom Finish	Custom finishes are offered to adapt to any application. Custom Match option is 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 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)=.85

3,000K (70+ CRI)=.92

3,500K (70+ CRI)=1.00

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.

External House Side Shield (HSS): An optional external 120° House Side Shield helps control backlight. Spun aluminum panel painted to match fixture.

Photocontrols

Button Photocell: The photocontrol shall be mounted on the fixture and pre-wired to driver. The electronic button type photocontrol is instant on and will turn on at 1.5 footcandles and will turn off at 2-3 footcandles. See pole spec sheet for pole mounted version.

Twist-Lock Style (Hangstraight Mount): The photocontrol shall be mounted externally on the hangstraight and pre-wired to driver. 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 turn-off at 2-3 footcandles.

If an **R7** is specified alongside a **BALL** or **SPIKE** style finial on hang-straight, a decorative cap (with window) is included to cover a **STANDARD** photocell. Use the **NO FINIAL** hangstraight option if the **R7** is used with a **WIRELESS CONTROLLER**.

Lumen Chart(s)

Tested with CA 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
40L-40-T_-MDL016	22415	B3U0G3	128.8	20740	B3U0G3	119.2	21720	B3U0G3	124.8	22555	B4U0G2	129.6	174
40L-30-T_-MDL016	20690	B3U0G3	118.9	19145	B3U0G3	110.0	20050	B3U0G3	115.2	20820	B4U0G2	119.7	174
40L-27-T_-MDL016	18965	B3U0G3	109.0	17550	B3U0G3	100.9	18380	B3U0G3	105.6	19085	B4U0G2	109.7	174
40L-40-T_-MDL012	17390	B3U0G3	140.2	16135	B3U0G3	130.1	16830	B3U0G3	135.7	17505	B4U0G2	141.2	124
40L-30-T_-MDL012	16050	B3U0G3	129.4	14895	B3U0G3	120.1	15535	B3U0G3	125.3	16160	B4U0G2	130.3	124
40L-27-T_-MDL012	14715	B3U0G3	118.7	13655	B3U0G3	110.1	14240	B3U0G3	114.8	14810	B4U0G2	119.4	124
32L-40-T_-MDL012	14025	B2U0G2	140.3	12970	B3U0G3	129.7	13515	B2U0G2	135.2	14025	B3U0G2	140.3	100
32L-30-T_-MDL012	12945	B2U0G2	129.5	11970	B3U0G3	119.7	12475	B2U0G2	124.8	12945	B3U0G2	129.5	100
32L-27-T_-MDL012	11865	B2U0G2	118.7	10975	B3U0G3	109.8	11435	B2U0G2	114.4	11865	B3U0G2	118.7	100
24L-40-T_-MDL014	11910	B2U0G2	135.3	11095	B2U0G2	126.1	11510	B2U0G2	130.8	11975	B3U0G2	136.1	88
24L-30-T_-MDL014	10995	B2U0G2	124.9	10240	B2U0G2	116.4	10625	B2U0G2	120.7	11055	B3U0G2	125.6	88
24L-27-T_-MDL014	10080	B2U0G2	114.5	9390	B2U0G2	106.7	9740	B2U0G2	110.7	10135	B3U0G2	115.2	88
24L-40-T_-MDL010	8880	B2U0G2	143.2	8310	B2U0G2	134.0	8580	B2U0G2	138.4	8945	B3U0G1	144.3	62
24L-30-T_-MDL010	8195	B2U0G2	132.2	7670	B2U0G2	123.7	7920	B2U0G2	127.7	8255	B3U0G1	133.1	62
24L-27-T_-MDL010	7515	B2U0G2	121.2	7030	B2U0G2	113.4	7260	B2U0G2	117.1	7570	B3U0G1	122.1	62
16L-40-T_-MDL012	7025	B1U0G1	137.7	6470	B2U0G2	126.9	6740	B1U0G2	132.2	7020	B3U0G1	137.6	51
16L-30-T_-MDL012	6485	B1U0G1	127.2	5970	B2U0G2	117.1	6220	B1U0G2	122.0	6480	B3U0G1	127.1	51
16L-27-T_-MDL012	5945	B1U0G1	116.6	5475	B2U0G2	107.4	5705	B1U0G2	111.9	5940	B3U0G1	116.5	51

Hangstraight

Horizontal Hang-straight's slip fit 4" long by 2-3/8" OD horizontal tenon



Standard Horizontal Hangstraight,
Spike Finial (**HSHS**)



Standard Horizontal Hangstraight, Ball
Finial (**HSHB**)



Standard Horizontal Hangstraight, No
Finial (**HSHN**)



"EZ" Vertical hangstraight (**EZ**)

Housing | Upper Portion



Round Housing



Stepped Housing

Stepped Housing with Straight Edge Shade



Base Fixture Stepped (**BFS**)



Glow Window Stepped (**GWS**)



Solid Rings Glow Top Stepped (**SRS**)



Glow Rings Stepped (**GRS**)



Blank Top Solid Rings Stepped (**BSS**)

Round Housing with Straight Edge Shade



Base Fixture Round (BFR)



Glow Window Round (GWR)



Solid Rings Glow Top Round (SRR)



Glow Rings Round (GRR)



Blank Top Solid Rings Round (BSR)

Shade Styles



Straight Edge **(S)**



Flared Edge **(F)**



Bell Edge **(B)**



Round with Round Rim **(RR)**



Round with Flared Rim **(RF)**



Round with Square Rim **(RS)**

Options



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



Button Photocell **(PEC or PEC4)**



Back Light Optical Control **(BLOC)**



7-Pin NEMA Twist-Lock Receptacle **(R7)**



NEMA Receptacle Shorting Cap **(SC)**



NEMA Twist-Lock Photocell **(PE or PE4)**