

Opal Spheres





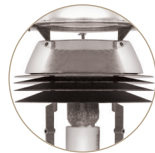
Opal Spheres



LED



HID



Tech



Cages

Spherical globes have been around since the early part of the 20th century most notably during the Art Deco period between 1908 and 1935. There are literally hundreds of globe shapes but the opal sphere is arguably the most simple and elegant of the group. It can be dressed up with a variety of cage designs and comes in several diameters that will scale to any pedestrian application. They are versatile enough to be used as post top assemblies or in clusters of 2, 3, 4 or even 5 on a pole. When paired with Sternberg's beautiful white opal globe and a superb optical system the "G" series globe luminaires provide a very uniformly lit surface appearance coupled with classic Art Deco ambiance.

Features

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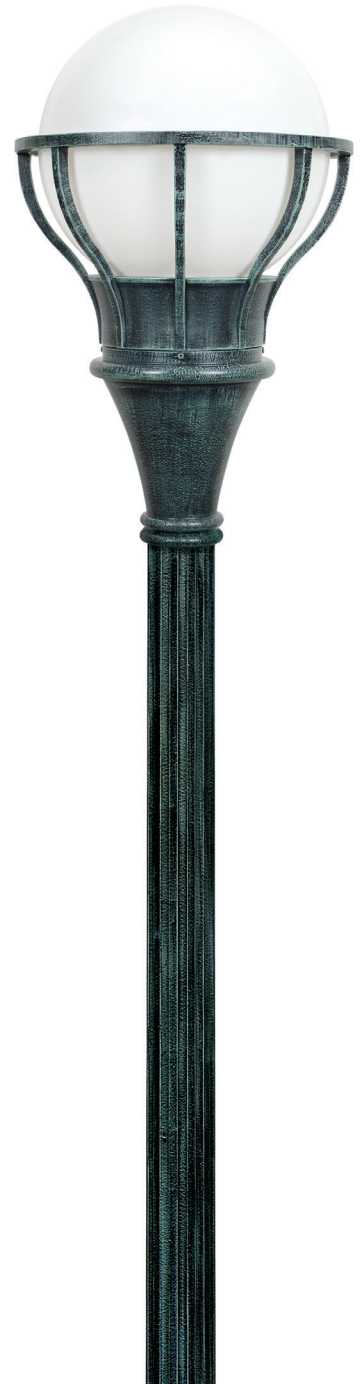


Luminaires

Sternberg's opal acrylic spherical globes are unmatched in the industry when it comes to optical performance, evenness of surface luminance and visual appeal. Whether the light source is LED or HID the Sternberg engineering team has designed optics that give the opal globe near perfect uniformity of surface brightness. This allows for a uniform white surface during night time operation or during the day when the luminaire is off. A variety of beautiful fitter designs are available that add artistic flavor to the spherical globe family in sizes from 12" to 20" in diameter.

QUICK FACTS

- Spheres are available in injection molded acrylic or polycarbonate.
- Half cage and full cage designs are available.
- The "G" series luminaires can be chain or stem hung.
- A solid top option is available to dress up the sphere shape while reducing uplight.
- Several arm options are part of the sphere family.
- An LED optical option is available.



Sphere
Art Deco I
Series



Sphere / 508L
Series



Metro
Series



Milano
Series



Barcelona
Series



Optical

The secret to a great spherical globe luminaire is even surface brightness, in other words the absence of dark spots, streaks and lines on the globe from internal components throwing shadows against the globe. Uneven surface brightness can be mitigated by two methods working in concert with one another. The first critical component is the globe material itself. Only the finest injection molded materials should be used. The formulation of acrylic or polycarbonate mixed with pigments must be precisely prescribed in order to give a consistent lit and unlit appearance. The absence of impurities and blemishes is a key factor as well. Any impurities in the injected material or the mold will show when illuminated. The second component is a well-engineered optical assembly. Vertical LED modules with secondary spread optics evenly light the internal surface while achieving excellent heat dissipation and electrical performance.



Standard Fitters



Utility Fitters



Luminaire fitters are designed to create a method by which an optical globe assembly attaches to a pole top tenon. Being a utility device does not always mean a plain or even unattractive appearance. Sternberg has created an extensive offering of pole top fitters that are beautiful and durable. Made of heavy cast aluminum, Sternberg fitters hold luminaires securely to pole top tenons by multi-point mechanical attachment, or slip fit over the pole shaft. Furthermore, Sternberg fitters house most of the electrical drive gear needed to power our advanced LED light engines. They provide a safe and sealed chamber against weather and intrusion of dirt so that internal components last longer and function better during product service life.

Opal Sphere Matrix



1330
Metro



1340
Boardwalk



B414
Barcelona



B416
Barcelona



B420
Barcelona



G12-DF-PF
GLOBE - 12"



G14-DF-PF
GLOBE - 14"



G16-DF-PF
GLOBE - 16"



G18-DF-PF
GLOBE - 18"



G20-DF-PF
GLOBE - 20"



M414
Milano



M416
Milano



M420
Milano



P414
Palermo



P416
Palermo



P420
Palermo



1330
Metro



1340
Boardwalk



B414
Barcelona



B416
Barcelona



B420
Barcelona



G12-DF-PF
GLOBE - 12"



G14-DF-PF
GLOBE - 14"



G16-DF-PF
GLOBE - 16"



G18-DF-PF
GLOBE - 18"



G20-DF-PF
GLOBE - 20"



M414
Milano



M416
Milano



M420
Milano



P414
Palermo



P416
Palermo



P420
Palermo

See website for DLC approved fixtures

Globe	Dimensions		LED	XRLED	HID Optics								Light Distribution					EPA ft ²	WT. lbs
	Width	Height			RE ¹	LO ¹	RO	HSS	FHC	ALZAK	RSC	COR	2	3	3R	4	5		
1330 Metro	18"	24"							■							■	1.53	22	
1340 Boardwalk	18"	28"							■							■	1.86	20	
B414 Barcelona	14"	23"			■				■						■	■	0.7	15	
B416 Barcelona	16"	25"			■				■						■	■	0.9	18	
B420 Barcelona	20"	30"			■				■						■	■	1.4	20	
GLOBE - 12" G12-DF-PF	12"	18-1/2" to 26-1/2"	■		■				■						■	■	0.5 (max)	18 (max)	
GLOBE - 14" G14-DF-PF	14"	20-1/2" to 28-1/2"	■		■				■						■	■	0.59 (max)	20 (max)	
GLOBE - 16" G16-DF-PF	16"	22-1/2" to 30-1/2"	■		■	■			■						■	■	0.75 (max)	22 (max)	
GLOBE - 18" G18-DF-PF	18"	24-1/2" to 32-1/2"	■		■	■			■						■	■	0.92 (max)	24 (max)	
GLOBE - 20" G20-DF-PF	20"	26-1/2" to 34-1/2"	■		■	■			■						■	■	1.13 (max)	26 (max)	
M414 Milano	14"	18-3/8"			■				■							■	0.59	18	
M416 Milano	16"	20-5/8"			■				■							■	0.75	20	
M420 Milano	20"	24-3/8"			■				■							■	1.13	24	
P414 Palermo	14"	18-3/8"			■				■							■	0.7	16	
P416 Palermo	16"	20-5/8"			■				■							■	0.9	19	
P420 Palermo	20"	24-3/8"			■				■							■	1.4	21	

RE = Refractor LO = Louver Optic RO = Roof Optic HSS = House Side Shield CO = Cone Optic

¹For clear spheres only



SINCE 1911
ARTURO **F**

Technical

Light Sources



LED LIT MODULE

The vertical LED module in the "G" series opal spheres precisely illuminates the globe to ensure a uniformly lit surface with no dark spots or striations.



HID Refractors (RE)

6" diameter borosilicate glass with an I.E.S. Type 5 distribution. Secured to the socket stem with 3/8" plated steel threaded pipe nipple, it rests on a cast aluminum holder with anti-shock gasket. The refractor is secured to cast holder with a quarter-turn internal aluminum twist ring for easy maintenance.

House Side Shields For HID Sources



HSS



HSS-2

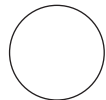


HSSP Perforated

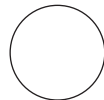
Cages



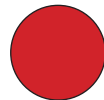
Globe Colors



WA
White
Acrylic



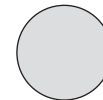
WP*
White
Polycarbonate



RA
Red
Acrylic
Only



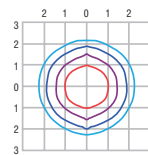
BA
Blue
Acrylic
Only



FA
Frosted
Acrylic
Only

* G22 - G24 Acrylic Only

Light Distribution



STREET SIDE
5

Solid Roofs



For:
G12-G20PF
G12-G20DF



Police & Fire Spheres

Vintage Police and Fire Spheres appropriate for:

- City Halls
- Museums
- Libraries
- Hospitals
- Other institutions requiring custom identifiers.

Sphere sizes available from 8" - 20" in red, white and blue. Available in both post top or wall mount design along with a variety of arms and wall brackets.





**Located in Roselle, Illinois
Engineered, Tested and Assembled in the USA!**

Sternberg has created a legacy of old world craftsmanship that dates back to the company's inception in 1923. The work ethic and product innovations that made the early Sternberg company successful are still being practiced by our employees today. Our dedicated staff, attention to detail, and quality production processes are what make Sternberg a world class company.

Sternberg serves the municipal, landscape, higher education and commercial markets providing efficient and cost effective lighting solutions to the outdoor market.

See our complete catalog online at:
www.sternberglighting.com



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