

**CAT #SP- (A, V, N, M, W))
STARPAR Hybrid Par**

Specifications:

Luminaire shall be a 575-watt hybrid parabolic reflector spotlight with a G9.5 medium two-pin socket with heat sink to accept an axially mounted tungsten-halogen lamp, housed inside high-grade aluminum, chemically polished and coated. Reflector shall be designed for use with Bi-plane filaments (GLA or GLC).

The fixture shall be constructed of rugged die-cast aluminum lamp housing and cap.

Each unit shall be provided with a low friction, hi-temp lens holder fully rotational via three insulated finger tabs.

Each unit shall include four tool free interchangeable lenses (VNSP, NSP, MFL, WFL). Lens changes shall be possible regardless of fixture orientation. Luminaires not offering this feature will not be acceptable.

Luminaire shall be equipped with three replaceable two-slot accessory holder with tool-free quick release lens holder clips with self closing and self-locking accessory retaining latch.

Luminaire shall be equipped with rigid flat steel with locking dog tilt handle, and indexed pivot angle markings.

Luminaire shall be supplied with an insulated rear mounted ring handle, which serves as a cord wrap, stand, and positioning aid.

Luminaire shall be supplied with a cast iron C-clamp Altman #510 suitable for use on up to 2" O.D. pipe. Clamp must incorporate a 360-degree rotational "safety stud" with locking bolt. Any clamp not offering this safety feature will not be acceptable.

Luminaires shall be supplied with safety cable, and a three-foot, three-wire lead encased in a black fiberglass sleeve.

The light output of the luminaires, with socket adjusted for maximum performance with cosine distribution using the GLC 575-watt lamp operated at rated lumens, shall have the following minimum results:

UNIT	DISTANCE	DIAMETER SPOT	FOOT-CANDLES
SP-V (VNSP)	30'	7'H x 7'W	640
SP-N (NSP)	30'	8'H x 8'W	460
SP-M (MFL)	30'	10'H x 16'W	169
SP-W (WFL)	30'	17'H x 32'W	40

The luminaire shall be U.L. and c.U.L. Listed and CE Certified and labeled for use with up to 575-watt lamp. Luminaire shall have a New York City Calendar Number.

Finish shall be Epoxy Sandtex black, electrostatic application.

The luminaire shall be #SP-Series as manufactured by Altman Lighting, Inc., Yonkers, NY.