

September 1, 2015

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SUPERVISOR'S OFFICE
TOWN OF LYSANDER

Mr. John Salisbury, Supervisor
Town of Lysander
8220 Loop Rd
Baldwinsville, NY 13027

Dear Mr. Salisbury:

Thank you for the opportunity to provide a lighting proposal for Whitetail Woods subdivision.

It is my recommendation that six (6) 100w high pressure fixtures be installed on 14' fiberglass embedded poles using 100w fixtures to help illuminate the developed portion of this tract. In addition, I recommend installing 100w HPS lights on the wood poles at both entrances onto River Road.

The estimated annual cost for the overhead lighting (including energy) is \$305.40.

For the 6 underground lighting fixtures, there are 3 different luminaire styles to choose from. The estimated annual cost (including energy) is as follows:

100w HPS Traditional luminaires:	\$1,953.66
100w HPS Edison luminaires:	\$2,161.80
100w HPS Aspen Grove luminaires:	\$2,270.22

I have enclosed a sketch showing the proposed locations as well as pictures of the luminaire styles for your review.

If this price quotation is approved, please provide me with written authorization and I will commence construction.

Best regards,



David J. Hess

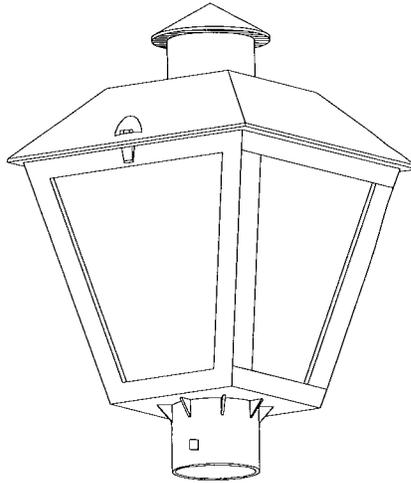


Figure 1 – “Traditional” Post Top Luminaire

1. APPLICATION - “Traditional” style post top luminaires are available for decorative outdoor lighting applications. Typical installations include underground residential developments, city or town parks, walkways, and other areas where aesthetics is a prime consideration.

2. SPECIFICATION – All “Traditional” style post top luminaires shall conform to the following specifications, including Figure 1 and Table 1.

General – Luminaire, enclosed, high intensity discharge, “Traditional” style, post top luminaire, high pressure sodium vapor, lamp wattage and voltage as specified in Table 1, in accordance with latest issue of ANSI Standard C136.16 for post top luminaires. Luminaire shall be a “utility grade” unit designed for long-term reliable operation in street lighting service.

IES Light Distribution – Luminaire shall provide the IES light distribution pattern specified in Table 1 and be in accordance with the latest edition of RP-8. Photometric data shall be provided to the Standards Engineering Department upon request.

Effective Projected Area and Weight – The luminaire effective projected area shall not exceed 2.5 square feet and the luminaire weight shall not exceed 50 pounds.

Mounting Provision – Luminaire shall include a mounting collar constructed so as to be self-centering and provide rigid mounting to a pole with a 3" ($\pm \frac{1}{8}$ ") O. D. tenon. Maximum insertion length shall not exceed 3 $\frac{3}{4}$ ". Collar shall be in accordance with ANSI C136.3, latest edition. All mounting and adjusting hardware shall be $\frac{1}{4}$ " – 20 blackened, stainless steel, hex-head bolts. The opening around the pole tenon shall not be greater than $\frac{1}{4}$ " after luminaire installation.

Housing – Luminaire housing shall be die cast aluminum, similar in appearance with Figure 1. Overall size of housing shall be 26-inches high x 16-inches wide (± 4 -inches). The housing assembly components shall fit together without excessive voids or openings into the luminaire to prevent entrance of atmospheric contaminants, insects, etc. The luminaire housing shall be designed to adequately dissipate excessive internal heat buildup, which may shorten the service life of the lamp and luminaire components. Access to the inside of the luminaire for re-lamping, or other maintenance, shall be via a hinged top door assembly secured by a captive corrosion resistant screw or stainless steel, spring loaded, positive latch.

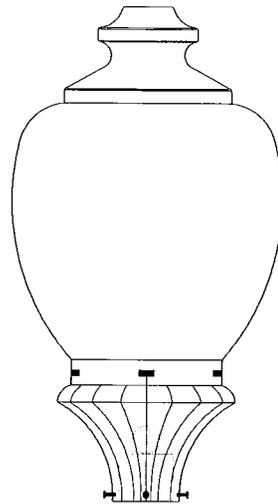


Figure 1 – “Edison” Post Top Luminaire

1. APPLICATION - “Edison” style post top luminaires are available for decorative outdoor lighting applications. Typical installations include underground residential developments, city or town parks, walkways, and other areas where aesthetics is a prime consideration.

2. SPECIFICATION – All “Edison” style post top luminaires shall conform to the following specifications, including Figure 1 and Table 1.

General – Luminaire, enclosed, high intensity discharge, “Edison” style, post top luminaire, high pressure sodium vapor, lamp wattage and voltage as specified in Table 1, in accordance with latest issue of ANSI Standard C136.16 for post top luminaires. Luminaire shall be a “utility grade” unit designed for long-term reliable operation in street lighting service.

IES Light Distribution – Luminaire shall provide the IES light distribution pattern specified in Table 1, and be in accordance with the latest edition of RP-8. Photometric data shall be provided to the Standards Engineering Department upon request.

Effective Projected Area and Weight – The luminaire effective projected area shall not exceed 2.5 square feet and the luminaire weight shall not exceed 50 pounds.

Mounting Provision – Luminaire shall include a mounting collar constructed so as to be self-centering and provide rigid mounting to a pole with a 3" ($\pm 1/8$ ") O. D. tenon. Maximum insertion length shall not exceed 3-3/4". Collar shall be in accordance with ANSI C136.3, latest edition. All mounting and adjusting hardware shall be 1/4" – 20 blackened, stainless steel, hex-head bolts. The opening around the pole tenon shall not be greater than 1/4" after luminaire installation.

Housing – Luminaire housing shall be die cast aluminum, similar in appearance with Figure 1. Overall size of housing with globe shall be 30-inches high x 16-inches wide (± 4 -inches). The housing assembly components shall fit together without excessive voids or openings into the luminaire to prevent entrance of atmospheric contaminants, insects, etc. The luminaire housing shall be designed to adequately dissipate excessive internal heat buildup, which may shorten the

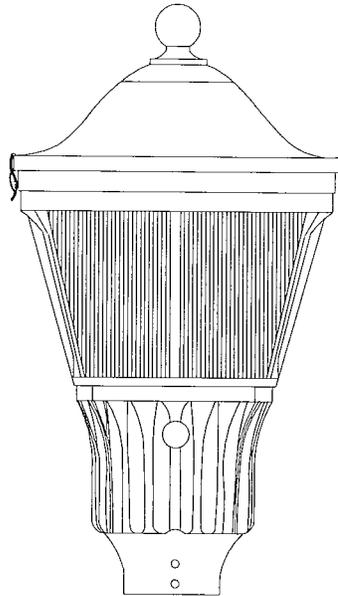


Figure 1 – “Aspen Grove” Post Top Luminaire

1. APPLICATION – Premium Grade “Aspen Grove” style post top luminaires are available for decorative outdoor lighting applications. Typical installations include underground residential developments, city or town parks, walkways, and other areas where aesthetics is a prime consideration.

2. SPECIFICATION – All “Aspen Grove” style post top luminaires shall conform to the following specifications, including Figure 1 and Tables I & II.

General – Luminaire, enclosed, high intensity discharge, “Aspen Grove” style, post top luminaire, high pressure sodium vapor or metal halide, as specified, lamp wattage and voltage as specified in Tables I or II, in accordance with latest issue of ANSI Standard C136.16 for post top luminaires. Luminaire shall be a “utility grade” unit designed for long-term reliable operation in street lighting service.

IES Light Distribution – Luminaire shall provide the IES light distribution pattern specified in Tables I or II, and be in accordance with the latest edition of RP-8. Photometric data shall be provided to the Standards Engineering Department upon request.

Effective Projected Area and Weight – The luminaire effective projected area shall not exceed 2.5 square feet and the luminaire weight shall not exceed 50 pounds.

Mounting Provision – Luminaire shall include a mounting collar constructed so as to be self-centering and provide rigid mounting to a pole with a 3" ($\pm 1/8$ ") O. D. tenon.

Supersedes 05/08 Issue – Added 50w HPS luminaire. Revised green color details. Replaced probe start MH with pulse start MH.

