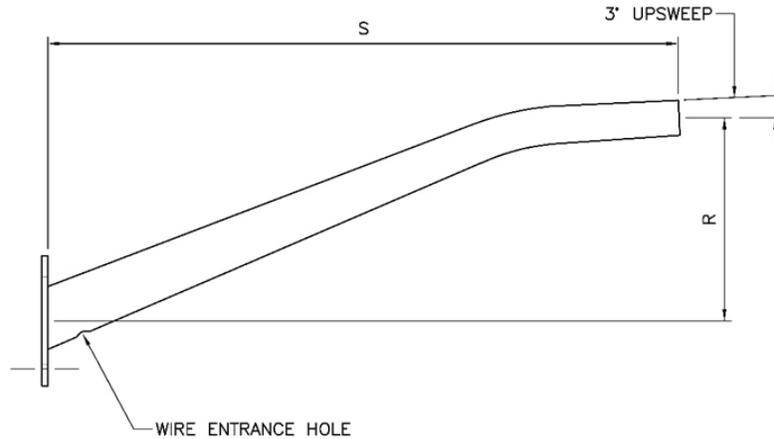


Bracket Arms, Luminaire Support, for Walls



1. Scope

This standard covers the requirements for luminaire support bracket arms.

This standard applies to Stock No. 570512.

For luminaire support bracket arms mounted on wood poles, see SCL 5705.10.

For luminaire support bracket arms mounted on metal poles, see SCL 5705.2

2. Application

Luminaire support bracket arms are for mounting side-mount luminaires on wall surfaces.

3. Industry Standards

Luminaire support bracket arms shall meet the applicable requirements of the latest revision of the following industry standard:

AASHTO LRFDLTS-1; "Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals"

Standard Coordinator
Laura Vanderpool

Standards Engineering Supervisor
Brett Hanson

Division Director
Bob Risch

4. Requirements

Luminaire support bracket arms shall conform to the following requirements:

Material	6061-T6 aluminum (mounting plate); 6063-T6 aluminum (arm). Material shall be resistant to the corrosive and erosive action of atmospheric conditions typically encountered in industrial and seaboard areas.
Construction	Seamless tubing or continuously welded, seamed tubing having a tapered elliptical configuration ¹ . Attachment end shall terminate in a 2-inch NPS ² round tube section of 7 in length, minimum. Shall include a tin-plated aluminum grounding lug, #2-#4 AWG wire range, installed with 1/4"-20NC x 3/8" stainless steel screw See figures 4b and 4c.
Max luminaire weight (support capacity)	50 lb
Dimensions:	
Mounting plate	6 in (W) x 8 in (L) x 5/16-in thick
Arm	3 ft-3 in (S) x 12 in (R). See Figure 4a. 2-3/8-in O.D. 0.125-in wall thickness
Diameter, mounting holes	9/16 in
Diameter, wire entrance hole	1 in ± 1/8 in
Diameter, wire hole rubber grommet	3/4-in I.D.

Notes:

¹ A 2-inch NPS round tube with a 0.125-inch wall thickness is equivalent to a 2-3/8-inch outer diameter.

² Spot-welded construction is not acceptable.

Bracket arms shall be designed with a 3-degree upsweep. See Figure 4a.

Figure 4a. Bracket Arm Span (S) and Rise (R)

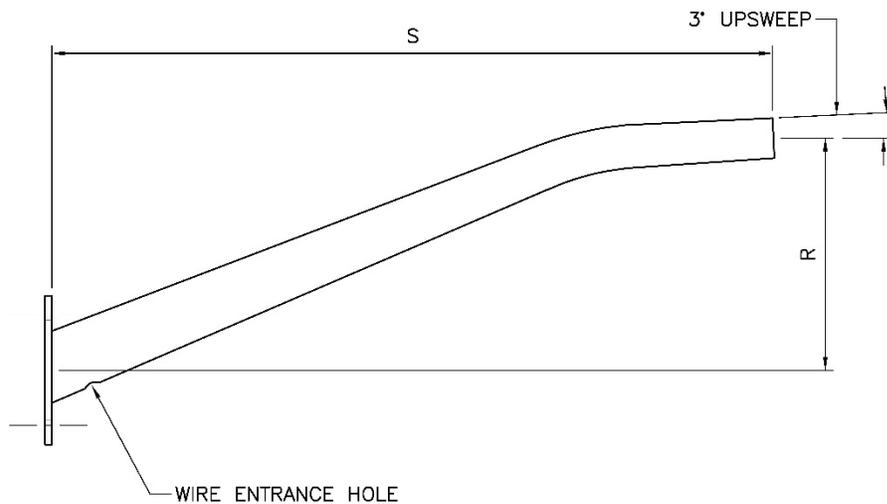


Figure 4b. Bracket Plate Dimensions

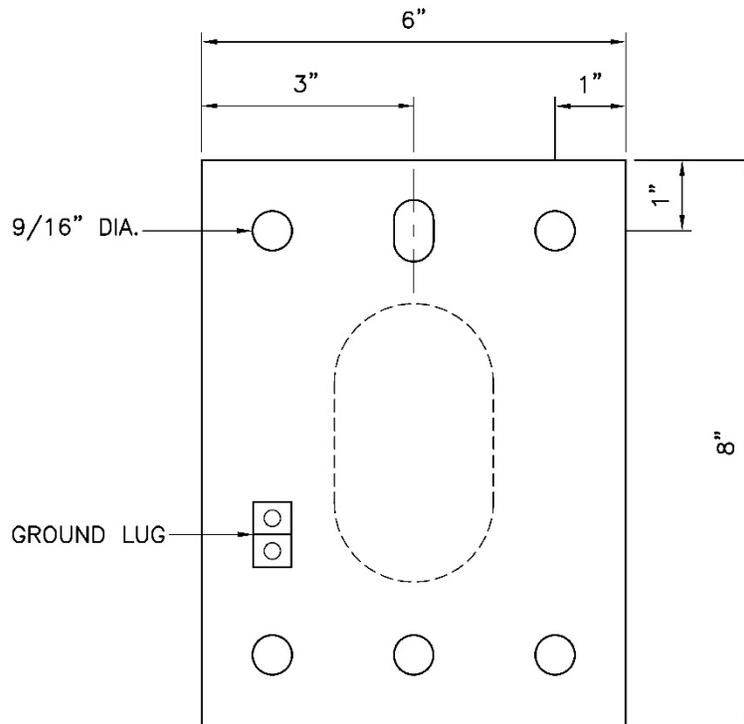
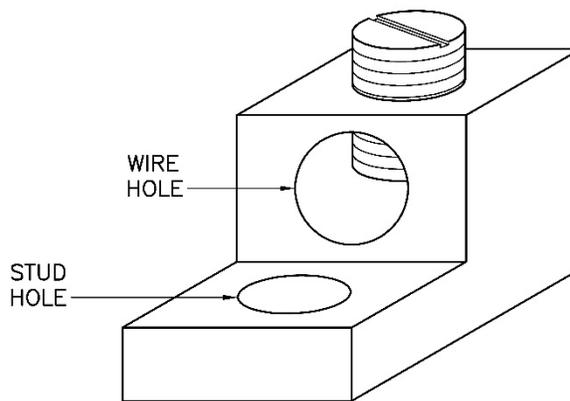


Figure 4c. Ground Lug Detail



5. Approved Manufacturers

Manufacturer	Part No.
Hapco	62805

6. Marking

Luminaire support bracket arms shall be permanently marked with the manufacturer name or trademark.

7. Packaging

Each standard package shall be legibly marked with the following information:

- Manufacturer identification
- Product description
- SCL stock number
- Quantity contained

Each shipping container shall be legibly marked with the following information:

- Manufacturer identification
- Country of origin
- Product description
- SCL purchase order number

8. Issuance

Stock Unit: EA

9. References

SCL Material Standard 5705.2; “Bracket, Aluminum Luminaire Support for Metal Poles

SCL Material Standard 5705.10; Brackets, Aluminum Luminaire Support for Wood Poles

10. Sources

Vanderpool, Laura; SCL Technical Writer and originator of 5705.32

Hapco drawing number A62805; revised 5/22/2025

Hapco drawing number A55293; revised 3/12/2025

SCL Material Standard 5705.3 (canceled); Bracket, Aluminum, Luminaire Support for Alley Wall Mounting”