

# CAST ALUMINUM

ALN 480, ALN 481



ALN 481 (custom color)



ALN 481

| ORDERING EXAMPLES |              |       |         |
|-------------------|--------------|-------|---------|
| FIXTURE           | LAMP/BALLAST | COLOR | OPTIONS |
| ALN 480C          | 100MH        | WHT   | •       |
| ALR 481W          | 150HPS       | BLK   | •       |

| FIXTURE     | DESCRIPTION                                     | LBS | IP |
|-------------|---|-----|----|
| ALN 480W    | white acrylic lens, cast top                    | 46  | 54 |
| ALN 480C    | clear acrylic lens, cast top                    | 46  | 54 |
| ALN 480CGC  | clear acrylic lens, 2 stage cutoff reflector    | 46  | 54 |
| ALN 480CGR3 | clear acrylic lens, type 3 refractor, cast top  | 46  | 54 |
| ALN 480CGR5 | clear acrylic lens, type 5 refractor, cast top  | 46  | 54 |
| ALN 481W    | white acrylic lens, round top                   | 46  | 54 |
| ALN 481C    | clear acrylic lens, round top                   | 46  | 54 |
| ALN 481CGC  | clear acrylic lens, 2 stage cutoff reflector    | 46  | 54 |
| ALN 481CGR3 | clear acrylic lens, type 3 refractor, round top | 46  | 54 |
| ALN 481CGR5 | clear acrylic lens, type 5 refractor, round top | 46  | 54 |

## SPECIFICATIONS

### HOUSING

The bollard shall be cast aluminum. Aluminum shall be certified as pure #356 alloy, free of any porosity, foreign materials or cosmetic fillers. Castings shall be of uniform wall thickness with a minimum wall thickness of .250". Cage and base shall be a one piece high strength casting.

The lens shall be one piece formed acrylic, sealed in the housing to prevent dust, insect or moisture contamination.

### ELECTRICAL

Electrical components are prewired on an aluminum strap mounted below the cage. All electrical components and materials shall be U.L. recognized. Ballasts are high power factor rated for -30° starting. Medium base porcelain sockets are 4KV rated.

### CUTOFF REFLECTOR

An upper aluminum reflector, and a lower cone reflector shall have a specular Alzak® finish. The reflector system shall provide a 90° cutoff.

### REFRACTORS

Refractors shall be precision molded of borosilicate glass, internally secured with to an aluminum reflector cap. Refractors shall be gasketed top and bottom to allow for expansion and contraction.

### MOUNTING

The internal mounting base shall be cast #356 aluminum with a minimum wall thickness of .250 inches. The bollard shall be secured to the base with three stainless steel bolts. The three mounting bolts, six washers and six nuts shall be hot dipped galvanized steel, 1/2" x 10" x 2".

### FINISH

Fixture finish consists of a five stage pre-treatment regimen with a polymer primer sealer, oven dry off and top coated with a thermoset super TGIC polyester powder coat finish. The finish shall meet the AAMA 605.2 performance specification which includes passing a 3000 hour salt spray test for corrosion resistance.

### CERTIFICATION

The fixture is listed with UL for outdoor, wet location use, UL1598. IP Rating: 54.

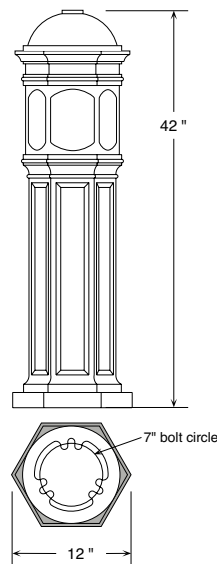
### WARRANTY

Fixture is warranted for three years. Ballast components carry the ballast manufacturer's limited warranty.

### PHOTOMETRY

Complete photometric data is available in IES formatted files on AAL's website: [www.aal.net](http://www.aal.net).

**WARNING:** Fixture must be grounded in accordance with local codes or the National Electric Code. Failure to do so may result in serious personal injury.



## LAMP/BALLAST

|               |  |
|---------------|--|
| <b>50MH</b>   | 50 watt metal halide, 120/277 volt ballast. Use medium base, clear ED-17 lamps.                  |
| <b>70MH</b>   | 70 watt metal halide, 120/208/240/277 volt ballast. Use medium base, clear ED-17 lamps.          |
| <b>100MH</b>  | 100 watt metal halide 120/208/240/277 volt ballast. Use medium base, clear ED-17 lamps.          |
| <b>150MH</b>  | 150 watt metal halide 120/208/240/277 volt ballast. Use medium base, clear ED-17 lamps.          |
| <b>175MH</b>  | 175 watt metal halide, 120/208/240/277 volt ballast. Use medium base, clear ED-17 lamps.         |
| <b>50HPS</b>  | 50 watt high pressure sodium, 120/277 volt ballast. Use medium base, clear ED-17 lamps.          |
| <b>70HPS</b>  | 70 watt high pressure sodium, 120/208/240/277 volt ballast. Use medium base, clear ED-17 lamps.  |
| <b>100HPS</b> | 100 watt high pressure sodium, 120/208/240/277 volt ballast. Use medium base, clear ED-17 lamps. |
| <b>150HPS</b> | 150 watt high pressure sodium, 120/208/240/277 volt ballast. Use medium base, clear ED-17 lamps. |

**NOTE:** *Lamps not included.*

## COLORS

---> Standard AAL Colors.

## OPTIONS

|            |   |
|------------|---|
| <b>LDL</b> | Lightly diffused lens to conceal fixture interior. <i>Not for glass refractor and cutoff reflector.</i> |
| <b>FS1</b> | Single weather proof fuse holder (fuse supplied by others).   |

## ARCHITECTURAL AREA LIGHTING

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