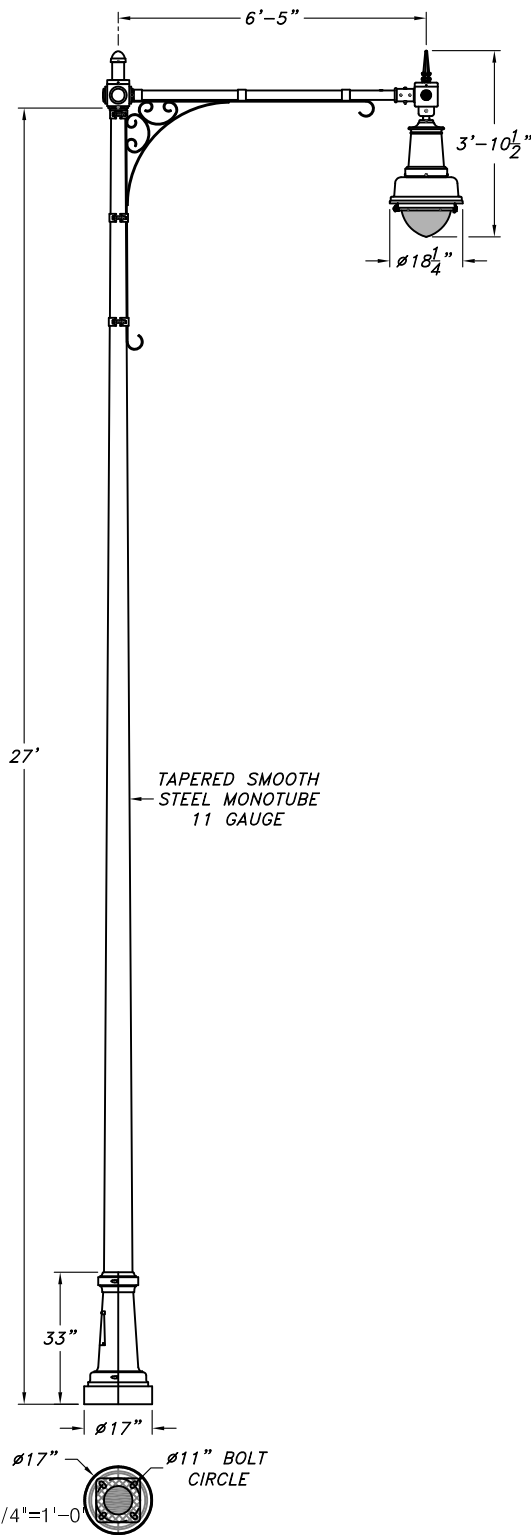


CAMBRIDGE SERIES



Catalog Name:

CB-17-TSS-27-CB-1-BC-18-V-LEX

Revision #: 0

Date: 02.15.18

Page: 1 of 5

Revision History: N/A

Niland Approval: Luis M. Gomez Customer Approval: _____

CSI POLE SPECIFICATION

I. BASE

Base shall be cast iron. Iron shall be certified as pure ASTM A-48 83 class, free of any porosity, foreign materials or cosmetic fillers. Base casting shall be of uniform wall thickness with no warping or mold shifting. Minimum wall thickness shall be .250". Cast iron access cover shall be secured with three stainless steel screws.

II. POLE

Pole shall be tapered smooth steel with a $\varnothing 2 \frac{7}{8} \times 12$ "H. Tenon min. for crossarm mounting. Shaft extrusion shall be of uniform wall thickness with no warping or mold shifting. Minimum wall thickness shall be .188" or .250". There are no exterior welds to finish. A 11"SQ. x 11"SQ. x 1"TH. bolt plate w/ 4 slots for anchor bolt placement shall be welded to the bottom of the extrusion.

III. ARM

The arms shall be iron and steel construction. Iron shall be certified as pure 356 copper free of any porosity, foreign materials or cosmetic fillers certified ASTN A48, Class 30 Iron. Casting shall be of uniform wall thickness with no warping or molding shifting. Minimum wall thickness shall be .250". Extrusion shall be 11 gauge (1/8") wall thickness with no warping or mold shifting. Electrical wiring shall run through arm.

IV. ANCHORAGE DETAIL

Pole base requires (4 1"x 36" hot galvanized L.-type Anchor Bolts with 5" maximum projection each. Anchor Bolts are ASTM A-36 and ASTM A-153 at galvanized.

V. HOUSING

The pendant mount luminarie shall be core cast aluminum. Aluminum shall be certified as pure #356 alloy, free of any porosity, foreign materials or cosmetic fillers. Castings shall be uniform wall thickness with no warping or mold shifting. Minimum wall thickness shall be 3/16". Electrical components are mounted onto the aluminum reflector with two stainless steel screws. 111-D reflector mounts lamp in a vertical position. An optional refractor globe shall be molded of acrylic with external refractors designed for a Type III or V light distribution pattern. The reflector shall be mounted in the luminaire with four S.S. Screws.

VI. ELECTRICAL

All electrical components and materials shall be UL-recognized and wired by a certified UL technician. All Niland ballasts are high power factor rated for -30°C/-20°F starting. Medium and Mogul base sockets are 4 KV rated. The electrical assembly is prewired with quick disconnects for servicing. Fixture shall be UL certified for wet locations.

FINISHES

Five Year Powder Coating Warranty

Niland Company factory-applied powder coatings are warranted against peeling, excessive fading and cracking under normal climatic exposure for a period of five years from date of shipment. Damage to finish coating caused by abuse or mishandling during installation is not covered by warranty. This warranty is limited to the repair or replacement of the material involved and does not include reimbursement of consequential expenses such as installation or removal of equipment or transportation costs.

I. STANDARD FINISH

Satin iron achieved by rotary sanding, blasting and phosphate conversion coating.

II. THERMOSET POWDER PAINT FINISH

Pretreatment shall consist of degreasing phosphate acid-etching with 140° and de-ionizing water, rinsed and oven dried.

FINISH COAT

Thermoset TGIC super polyester powder coat finish electrostatically applied, oven cured and bonded at approximately 420° F to a minimum dry film thickness of 1.6 mils. All Niland powders must pass a minimum 3000-hour salt-spray test for corrosion resistance. The National Association of Architectural Metal Manufacturers, Metal Finishes Manual rates the outdoor life of these powders at 15-plus years.

III. LIQUID FINISH

Optional liquid finish is first prime coated then finished with a two part liquid epoxy coat.

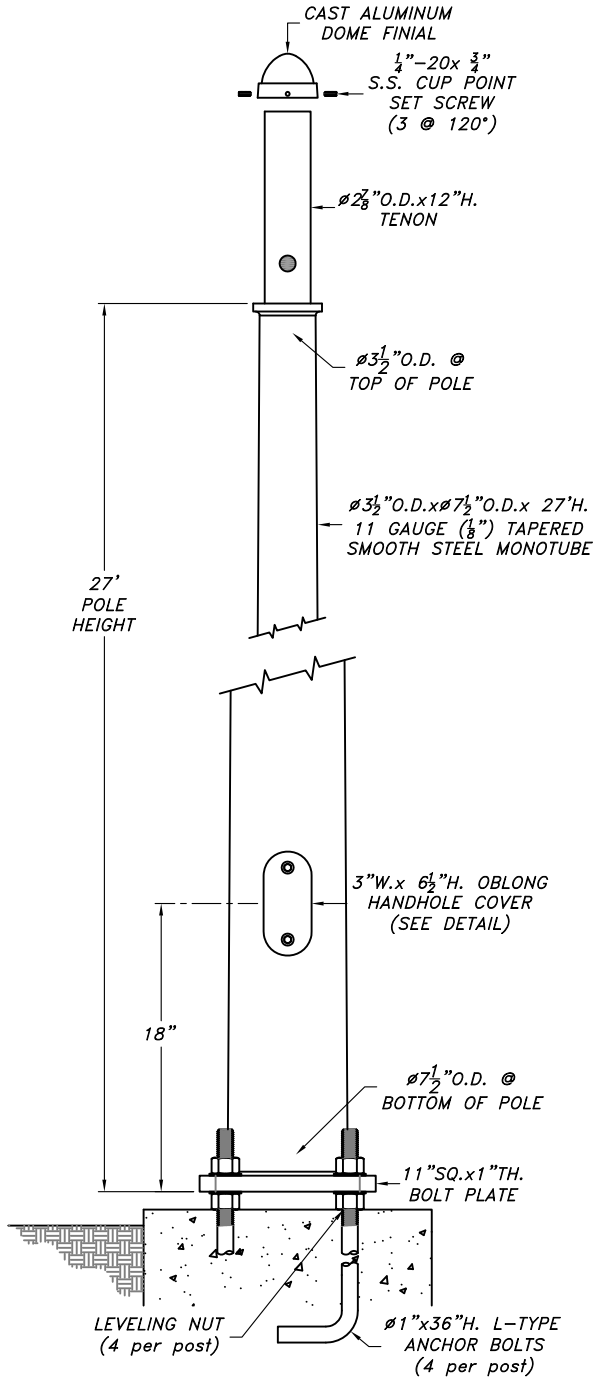
WARRANTY

Niland Company warrants to repair or replace, at our option, any equipment that fails due to defects in material or workmanship within one year from date of shipment. This warranty does not include failures as a result of improper installation, mishandling or misapplication. This guarantee is limited to repair or replacement only and does not include reimbursement for expense of installation, removal of equipment, transportation or any other expenses that may be incurred. Authorization must be obtained from Niland Company in El Paso, Texas before any material is returned.



Niland Company

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SCALE:3/4"=1'-0"

Steel Series-11" Bolt Plate-Tapered Smooth Steel Pole-27' Height
SS-11-TSS-27

Catalog Name:CB-17-TSS-27-CB-1-BC-18-V-LEX

Date:02.15.18

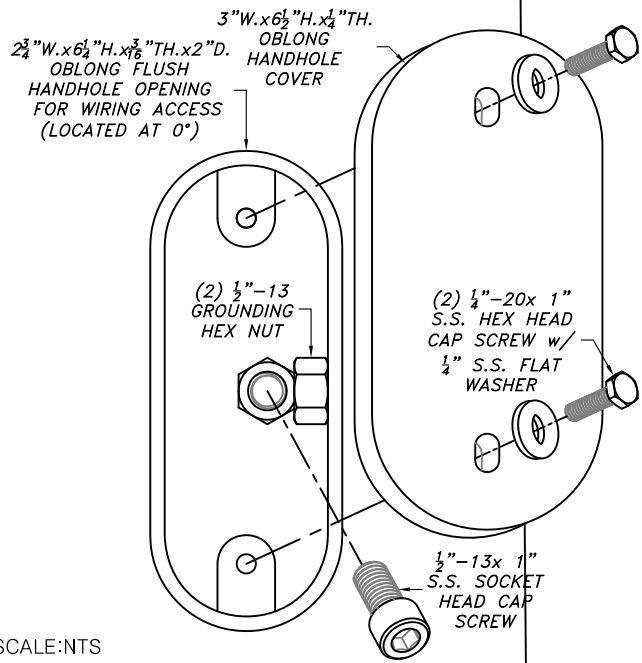
Revision History:N/A

Revision #: 0

Niland Approval:Luis M.Gomez Customer Approval:

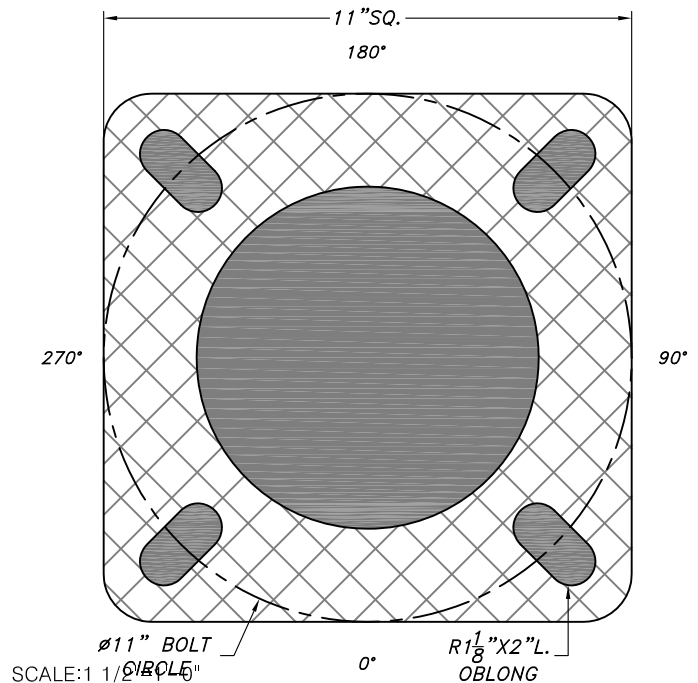
Page: 2 of 5

WIRING ACCESS DOOR DETAIL



SCALE:NTS

ANCHOR BOLT PLATE DETAIL



SCALE:1 1/2"=1'-0"

COLOR OF POWDER COAT FINISH

- | | |
|---------------------------------------|--|
| ☐ (BLK) BLACK | ☐ (HG) HAND BRUSHED GREEN |
| ☐ (BRZ) BRONZE | ☐ (HR) HAND BRUSHED GRAY |
| ☐ (GRN) GREEN | ☐ CUSTOM _____ |



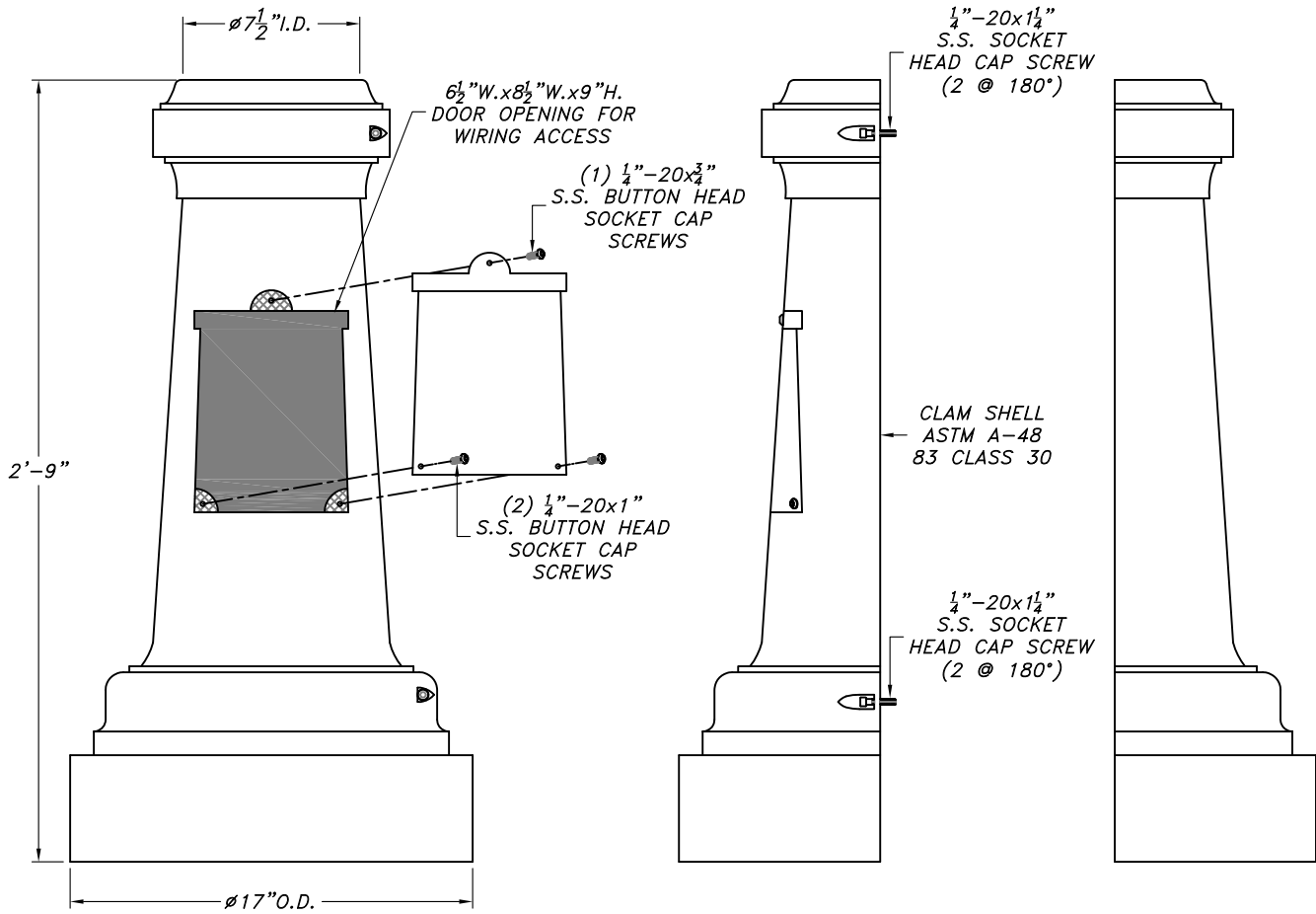
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CAMBRIDGE SERIES

CB-17-CS



EXAMPLE
CB-17-CS-BLK

CB-17-CS-_____
Series Size Color

COLOR OF POWDER COAT FINISH

- | | |
|---------------------------------------|--|
| ☐ (BLK) BLACK | ☐ (HG) HAND BRUSHED GREEN |
| ☐ (BRZ) BRONZE | ☐ (HR) HAND BRUSHED GRAY |
| ☐ (GRN) GREEN | ☐ CUSTOM _____ |

BASE SPECIFICATION

I. BASE

Base shall be cast iron. Iron shall be certified as pure ASTM A-48 83 class, free of any porosity, foreign materials or cosmetic fillers. Base casting shall be of uniform wall thickness with no warping or mold shifting. Minimum wall thickness shall be .250". Cast iron access cover shall be secured with two to four stainless steel screws.

MOUNTING

Base shall be wrapped around steel pole and fastened with (4) Button Head Screws.

FINISH

Fixture finish shall consist of degreasing, phosphate acid etching with 140+ deionized water, rinsed, oven dry off and top coated with a thermoset TGIC super polyester powder coat finish designed not to chalk or fade for many years. All Niland Company powders must pass a minimum 3000-hour salt spray test for corrosion resistance.

CERTIFICATION

The Fixture shall be UL-Listed for wet location use, and all HID listings.

WARRANTY

Fixture shall be warranted to be free of defects for five years. Ballast components shall carry the ballast manufacturers limited warranty of two years.

Catalog Name: CB-17-TSS-27-CB-1-BC-18-V-LEX Date: 02.15.18

Revision History: N/A Revision #: 0

Niland Approval: Luis M. Gomez Customer Approval: _____ Page: 3 of 5

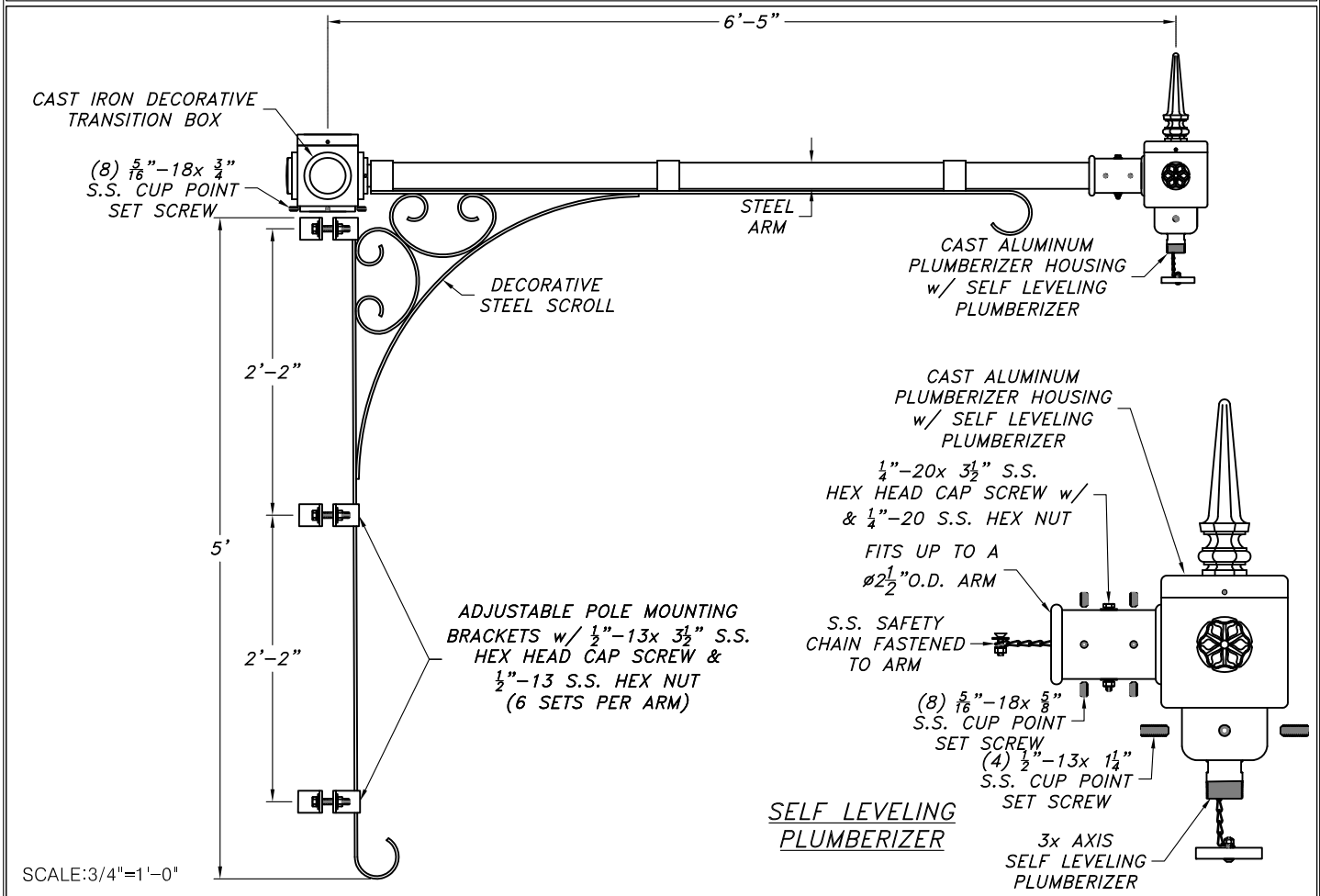


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CAMBRIDGE SERIES

CB-1



EXAMPLE
CB-1-BLK

CB-____-____-____-____
Series Size Arms Color

ARM LENGTH	ARM PER POLE	COLOR OF POWDER COAT FINISH	
☐ 4Ft - SMALL ☒ 6FT ☐ 8Ft - LARGE	☒ SINGLE ☐ DOUBLE	☐ (BLK) BLACK ☐ (BRZ) BRONZE ☐ (GRN) GREEN	☐ (HG) HAND BRUSHED GREEN ☐ (HR) HAND BRUSHED GRAY ☐ CUSTOM _____

ARM SPECIFICATION

ARM

The arms shall be iron and steel construction. Iron shall be certified as pure 356 copper free of any porosity, foreign materials or cosmetic fillers certified ASTM A48, Class 30 Iron. Casting shall be of uniform wall thickness with no warping or molding shifting. Minimum wall thickness shall be .250". Extrusion shall be 11 gauge ($\frac{1}{8}$ ") wall thickness with no warping or mold shifting. Electrical wiring shall run through arm.

ELECTRICAL

All electrical wiring is ran through center shaft and arm and shall be UL-recognized and wired by a certified UL technician. The electrical assembly is prewired with quick disconnects for servicing. Fixture shall be UL certified for wet locations.

MOUNTING

Arm shall be mounted to a steel pole with a $\varnothing 2\frac{1}{2}$ " O.D. x $6\frac{1}{2}$ " H. tenon and fastened using (8) S.S. Set Screws.

FINISH

Fixture finish shall consist of degreasing, phosphate acid etching with 140+ deionized water, rinsed, oven dry off and top coated with a thermoset TGIC super polyester powder coat finish designed not to chalk or fade for many years. All Niland Company powders must pass a minimum 3000-hour salt spray test for corrosion resistance.

CERTIFICATION

The Fixture shall be UL-Listed for wet location use, and all HID listings.

WARRANTY

Fixture shall be warranted to be free of defects for five years. Ballast components shall carry the ballast manufacturers limited warranty of two years.

Catalog Name: CB-17-TSS-27-CB-1-BC-18-V-LEX Date: 02.15.18
Revision History: N/A Revision #: 0
Niland Approval: Luis M. Gomez Customer Approval: _____ Page: 4 of 5



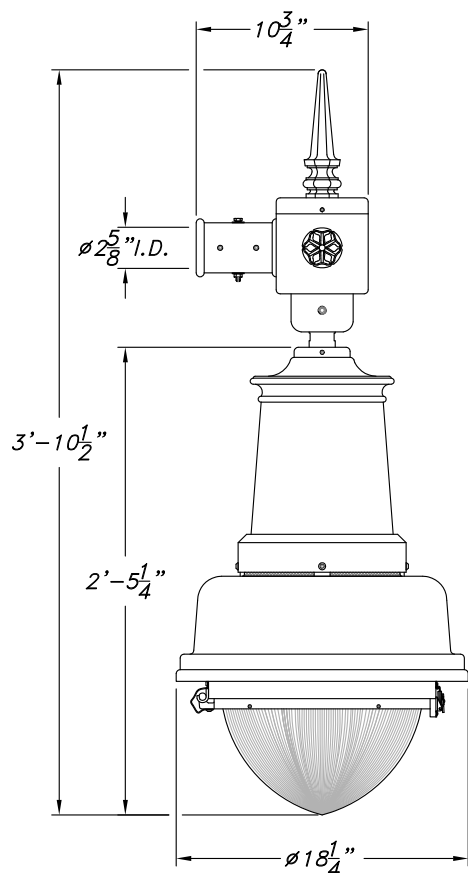
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FULL CUT OFF
DARK SKY COMPLIANT:
VERTICAL REFLECTOR WITH
TYPE III OR V DISTRIBUTION,
TEMPERED GLOBE

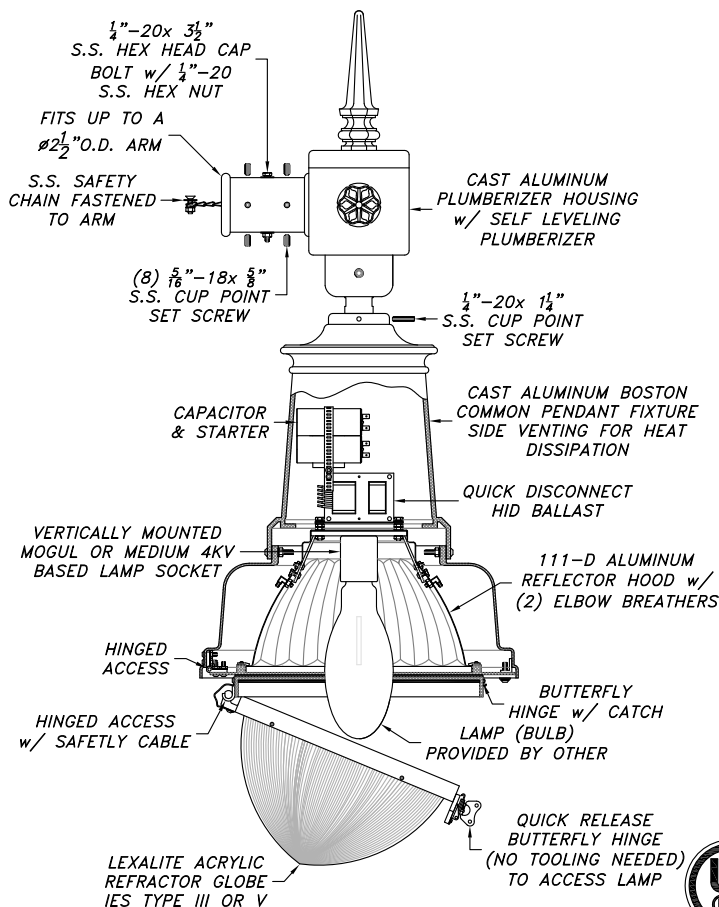
BOSTON COMMON SERIES

BC-18-V-LEX



SCALE: 1"=1'-0"

E.P.A.=2.61 SQ.FT.



EXAMPLE

BC-18-V-LEX-PSMH-150-208-III-BLK

BC-18-V-LEX-_____-_____-_____-_____-_____-_____-
Series Ballast Wattage Voltage Distribution Color

LIGHT SOURCE	WATTAGE-SOCKET MEDIUM MOGUL	VOLTAGE	LIGHT DISTRIBUTION	COLOR OF POWDER COAT FINISH	
☐ INC ☐ CFL ☐ HPS ☐ PSMH ☐ LED	☐ 50w ☐ 70w ☐ 100w ☐ 150w ☐ 175w ☐ 250w	☐ 120v ☐ 208v ☐ 240v ☐ 277v ☐ 480v MULTITAP 120v 240v 208v 277v PLEASE SPECIFY VOLTAGE	☐ TYPE III ☐ TYPE V	☐ (BLK) BLACK ☐ (BRZ) BRONZE ☐ (GRN) GREEN	☐ (HG) HAND BRUSHED GREEN ☐ (HR) HAND BRUSHED GRAY ☐ CUSTOM _____

LUMINAIRE SPECIFICATION

HOUSING

The pendant mount luminaire shall be core cast aluminum. Aluminum shall be certified as pure #356 alloy, free of any porosity, foreign materials or cosmetic fillers. Castings shall be uniform wall thickness with no warping or mold shifting. Minimum wall thickness shall be 3/16". Electrical components are mounted onto the aluminum reflector with two stainless steel screws. 111-D reflector mounts lamp in a vertical position. A optional refractor globe shall be molded of acrylic with external refractors designed for a Type III or V light distribution pattern. The reflector shall be mounted in the luminaire with four S.S. Screws.

ELECTRICAL

All electrical components and materials shall be UL-recognized and wired by a certified UL technician. All Niland ballasts are high power factor rated for -30°C/-20°F starting. Medium and Mogul base sockets are 4 KV rated. The electrical assembly is prewired with quick disconnects for servicing. Fixture shall be UL certified for wet locations.

MOUNTING

Fixture shall be mounted to a Self Leveling Plumberizer. Plumberizer shall mount to arm with stainless steel set screws and thru bolt.

RELAMPING

To relamp, remove locking tool free butterfly latch hinge and lower the Mounting Ring to access reflector socket.

FINISH

Fixture finish shall consist of degreasing, phosphate acid etching with 140+ deionized water, rinsed, oven dry off and top coated with a thermoset TGIC super polyester powder coat finish designed not to chalk or fade for many years. All Niland Company powders must pass a minimum 3000-hour salt spray test for corrosion resistance.

CERTIFICATION

The Fixture shall be UL-Listed for wet location use, and all HID listings.

WARRANTY

Fixture shall be warranted to be free of defects for five years. Ballast components shall carry the ballast manufacturers limited warranty of two years.

PHOTOMETRICS

Complete photometric data for all fixtures is available in IES-formatted 3.5 disks. A certified independent laboratory performs all testing. Call the Niland Company directly for more information.

Catalog Name: CB-17-TSS-27-CB-1-BC-18-V-LEX

Date: 02.15.18

Revision History: N/A

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Niland Approval: Luis M. Gomez Customer Approval:

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