CUT OFF TOP LANTERN:
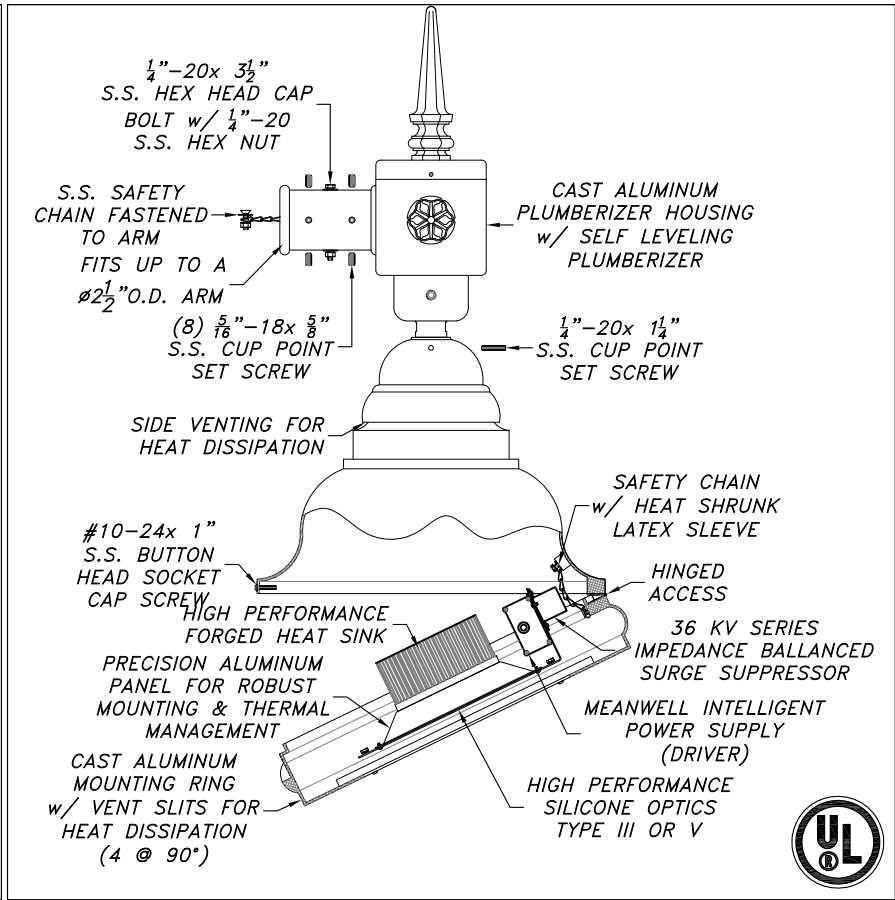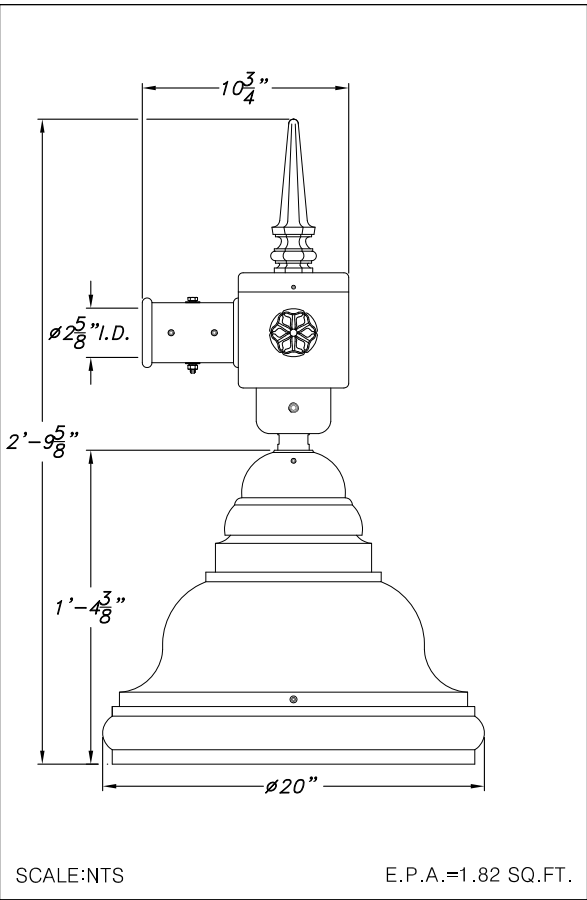DARK SKY COMPLIANT, PENDANT
MOUNTED HORIZONTAL LED ASSEMBLY.

SANTA CRUZ LED SERIES
SZ-20-LED-S7

IP 66 RATED
LED CHAMBER

10 3/4"

ø2 5/8" I.D.

2'-9 5/8"

1'-4 3/8"

ø20"

SCALE:NTS   E.P.A.=1.82 SQ.FT.

1/4"-20x 3 1/2"
S.S. HEX HEAD CAP
BOLT w/ 1/4"-20
S.S. HEX NUT

S.S. SAFETY
CHAIN FASTENED
TO ARM
FITS UP TO A
ø2 1/2" O.D. ARM

(8) 5/16"-18x 5/8"
S.S. CUP POINT
SET SCREW

SIDE VENTING FOR
HEAT DISSIPATION

#10-24x 1"
S.S. BUTTON
HEAD SOCKET
CAP SCREW

HIGH PERFORMANCE
FORGED HEAT SINK

PRECISION ALUMINUM
PANEL FOR ROBUST
MOUNTING & THERMAL
MANAGEMENT

CAST ALUMINUM
MOUNTING RING
w/ VENT SLITS FOR
HEAT DISSIPATION
(4 @ 90°)

CAST ALUMINUM
PLUMBERIZER HOUSING
w/ SELF LEVELING
PLUMBERIZER

1/4"-20x 1 1/4"
S.S. CUP POINT
SET SCREW

SAFETY CHAIN
w/ HEAT SHRUNK
LATEX SLEEVE

HINGED
ACCESS

36 KV SERIES
IMPEDANCE BALLANCED
SURGE SUPPRESSOR

MEANWELL INTELLIGENT
POWER SUPPLY
(DRIVER)

HIGH PERFORMANCE
SILICONE OPTICS
TYPE III OR V

UL

SZ-20-LED-___ - ___ - ___ - ___ - ___
Series | Kelvin | Wattage | Voltage | Distribution | Color

STANDARD KELVIN	WATTAGE RANGE ACTUAL = EQUIVALENT = LUMENS	VOLTAGE RANGE–AC	LIGHT DISTRIBUTION	COLOR OF POWDER COAT FINISH	
☐ 3000	☐ 60w=100w HPS/150w MH EQ.– 7,400 Lmns	☐ 120/277v	☐ TYPE III	☐ (BLK) BLACK	☐ (HG) HAND BRUSHED GREEN
☐ 4000	☐ 80w=150w HPS/250w MH EQ.– 9,800 Lmns			☐ (BRZ) BRONZE	☐ (HR) HAND BRISHED GRAY
☐ 5000	☐ 115w=200w HPS/320w MH EQ.–12,800 Lmns	☐ 340/480v	☐ TYPE V	☐ (GRN) GREEN	☐ CUSTOM _____
	☐ 140w=250w HPS/400w MH EQ.–15,800 Lmns				
	☐ 240w=400w HPS/750w MH EQ.–28,300 Lmns				

LUMINAIRE SPECIFICATION

HOUSING
The pendant fixture 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 one piece plug–in. LED assembly unit shall be mounted with four stainless steel screws. The core ports for ventilation located just beneath canopy and fixture finial increase thermal management and over all LED longevity.

LED POWER SUPPLY
All electrical components and materials shall be UL–recognized and wired by a certified UL technician. The electrical assembly is prewired with quick disconnects for servicing. Electrical components rated for 1 amp but only draws 300 milliamps which adds to the units longevity. Input voltage120–277v with 36kV surge suppression. All components are IP66 rated with a 1.0 PF rating. Service life up to 100,000 hours life at –40°C to +40°C Ambient, Operating Temperature. <20% Total Harmonic Distortion

LED CIRCUIT BOARD
LED's are available in 3000, 4000 & 5000 Kelvin with a Type III or Type V light distribution. Instant On/Off soft start. PF rating of 95% Solid State panel.

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

CERTIFICATION
The fixture shall be UL Certified for wet location use. LED unit is DLC Listed with IP66 Components. Designed to UL 1598 & UL 1449 3rd Edition. UL Driver is installed. Complies with IEEE C62.41 and FCC Part 15 Class A.

FINISH–AAMA–2604–5
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.

WARRANTY
Quick 60+ month warranty on LED module and electronic driver. Please contact manufacturer for more details.

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

Catalog Name:SZ-20-LED-S7   Date: 03.22.19
Revision History:N/A   Revision #: 0

Niland Approval:Luis M.Gomez Customer Approval:_____ Page: 4 of 4

NILAND/LED

Leading The Way For Solid State Street Lighting

USA

OSRAM SYLVANIA

QUICK 60+
Warranty On Parts