ROUND STEEL STRAIGHT POLE

RuggedGrade

Pole Specifications

Description

The RSS round straight poles are constructed of high-strength carbon steel and designed for top mounted luminaires with a 2.36" diameter tenon top (mounting brackets sold separately). Poles are stocked in 20' and 22' lengths in a durable galvanized black finish. Poles include anchor bolts, template, base plate cover and hand hole cover.

Construction

- Single piece welded shaft fabricated from ASTM A595 Grade A carbon steel (Q235B) with a guaranteed minimum yield strength of 34,000 PSI.
- Base plates are carbon steel (ASTM A36)
- Anchor bolts are fabricated from ASTM F1554 GR.55 and are "L" formed bars having a minimum yield strength of 55,000 P.S.I. The bolts are partially galvanized per ASTM A153 specifications and furnished complete with 2 hex nuts and 2 plate washers
- Poles have a durable galvanized black polyester powder coat finish

Installation

- Pole includes easily secured 2-piece base plate cover, reinforced cast-iron hand hole cover with ground screw, anchor bolts, and bolt circle template

Warranty

- 1 Year limited warranty

Height Feet	Nominal Shaft Dimensions	Wall Thickness	Bolt Circle	Bolt Circle (Range)	Base Plate Square	Anchor Bolt Size	Pole Weight
20 ft.	4"	0.128"	9"	8" - 11"	10.5"	3/4"x 30"x 4"	132 lbs
20 ft.	5"	0.116"	11.5"	11" - 12"	11"	1"x 36"x 4"	152 lbs
22 ft.	5"	0.116"	11.5"	11" - 12"	11"	1"x 36"x 4"	165 lbs

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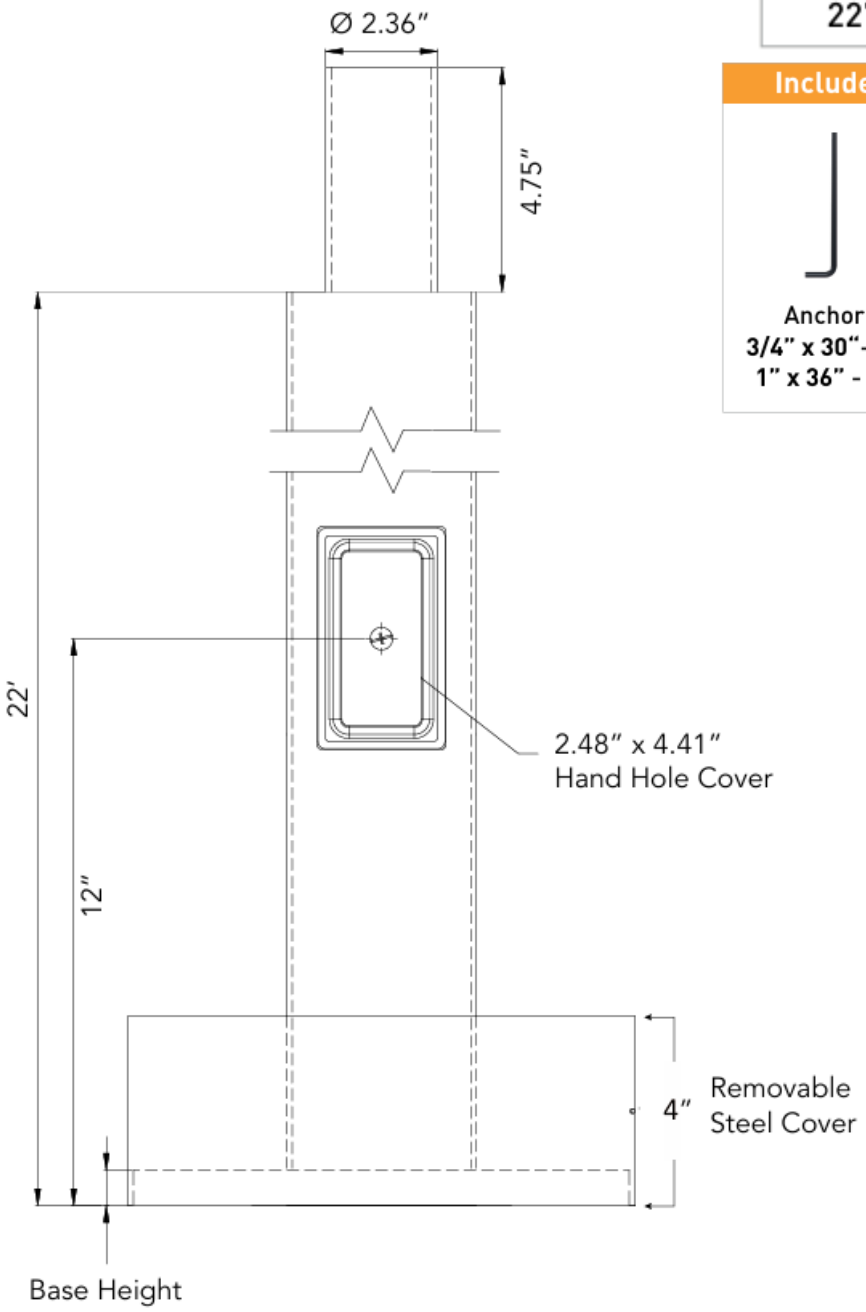
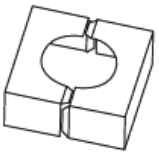
DIMENSIONS AND WEIGHT

Height	Shaft Dia	Base Height
20'	4"	0.75"
20'	5"	1"
22'	5"	1"

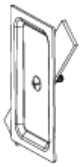


Included Accessories

Anchor Bolts
3/4" x 30"- 4" poles
1" x 36" - 5" poles



Removable
Base Cover



Hand Hole
Cover

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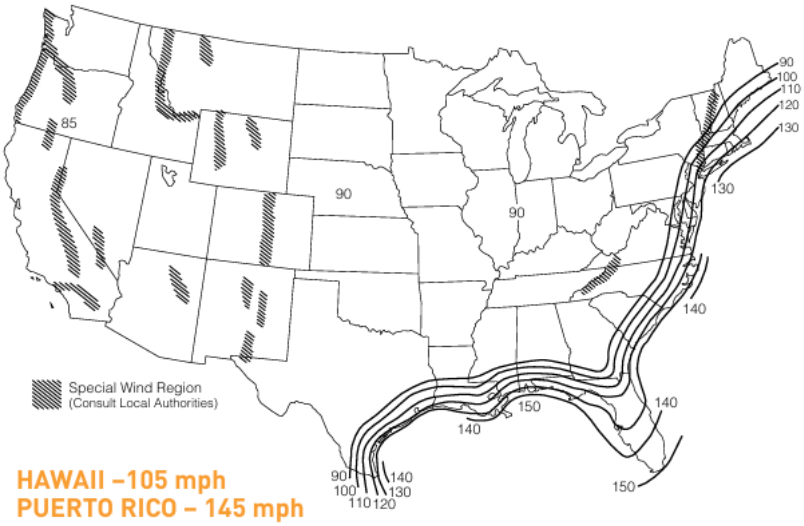
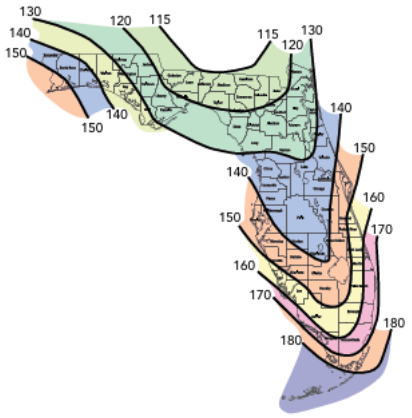
WIND SPEED MAP

ASCE7-05 WIND MAP



HAWAII –105 mph
PUERTO RICO – 145 mph

FLORIDA REGION WIND MAP



Florida region wind map above is based upon 3-second gust winds and the 2017 Florida Building Code

Allowable Wind Loading (AASHTO)						
Mounting Height (ft)	100 mph	110 mph	120 mph	130 mph	Anchor Bolt	
	EPA (ft²)	EPA (ft²)	EPA (ft²)	EPA (ft²)	Diameter (in)	Length (in)
20	8.1	6.0	4.6	3.8	0.75	30
20	12.0	10.0	8.3	6.9	1.00	36
22	10.2	8.2	6.6	5.5	1.00	36

- Applications: Lighting installations for side and top mounting of luminaires with an effective projected area (EPA) not exceeding maximum allowable loading of the specified pole in its installed geographic location.
- Allowable EPA, to determine max pole loading weight, multiply allowable EPA by 30 lbs.
- The Wind Maps are intended only as a general guide. Always consult local authorities to determine maximum wind velocities, gusting and unique wind conditions for each specific application.
- Allowable pole EPA for jobsite wind conditions must be equal to or greater than the total EPA for fixtures, arms, and accessories to be assembled to the pole. The responsibility lies with the specifier for correct pole selection. Installation of poles without luminaires or attachment of any unauthorized accessories to poles is discouraged and shall void the manufacturer's warranty.
- Wind speeds and listed EPAs are for ground-mounted installations. Poles mounted on structures (such as bridges and buildings) must consider vibration and coefficient of height factors beyond this general guide; Consult local and federal standards.
- Wind induced vibration brought on by steady, unidirectional winds and other unpredictable aerodynamic forces are not included in wind velocity ratings.
- Extreme wind events like hurricanes, typhoons, cyclones, or tornadoes may expose poles to flying debris, wind shear or other detrimental effects not included in wind velocity ratings. Due to our continued efforts to improve our products, product specifications are subject to change without notice.
- Factory supplied template must be used when setting anchor bolts. Eran Industrial will deny any warranty claim for incorrect anchorage placement resulting from failure to use factory supplied template and anchor bolts.
- For the diameter and depth of concrete pads for anchor bolts, please consult a qualified engineer.

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PRODUCT WARNINGS

- Please turn off power before install or change assembly parts.
- The input voltage and lamps should be matched, after connecting the power line.
- Please make sure the wiring section is insulated.
- Professionals must install and disassemble the lamps.
- Surge is the number 1 cause of LED light failure. Outdoor lights must have surge at fixture, pole, and breaker.
- Surge is the number 1 cause of LED light failure. Indoor lights must have surge at fixture and breaker.

PRODUCT TROUBLESHOOTING

Issue	Check points
Light Flickers	Check all wiring for disconnections, shorts and burnt wiring and connections. Confirm steady input voltage to the light fixture, fluctuating input voltage will harm the LED driver and can lead to premature failure. Lights with photocells can have photocell tag from ambient light or light reflecting at the sensor. Simply cover the photocell completely and see if flickering continues while the photocell is covered. Call Tech Support for help if none of the above solves the issue.
Light does not work at all.	Check all wiring for disconnections, shorts and burnt wiring and connections. Confirm steady input voltage to the light fixture, fluctuating input voltage will harm the LED driver and can lead to premature failure. If input voltage is not in the voltage range of the fixture, you will need to find the source of your input voltage issue. Call Tech Support for help if none of the above solves the issue.

For more technical information, install questions, troubleshooting help or warranty claims, wehave a dedicated US Tech and Customer Support Team to help solve any issues you have andcan be reached by email or phone. If you need help with any of our products, we are here for you so that you are never in the dark!