



Many lighting installations will be at relatively low elevations of 8, 10, or 12 feet, for fixtures of the post-top variety, of 1 .0 square feet or less. Here, 2" galvanized conduit with HOPE Base H42200-2" can safely be recommended for fixture elevations up to 12 feet in the EAST COAST, or 14 feet INLAND to WEST.

For higher elevations where coupled lengths of conduit will be required, the critical pipe and base size will be that for the lowest section of the pipe where loading is greatest. The upper pipe column can be smaller sized conduit as loading is less. A typical Problem and Solution is given below the table.

HOPE Base and Lowest Section of Pipe. IPS	Fixture (Sail area) Sq. Feet	East Coast (1) Belt	Inland to West Coast	Suggested Anchor Bolts
2" H42200 H42200RC3 H42200GFI	0.5	14ft.	15ft.	1/2 x 12
	1.0	12	14	1/2 x 12
	1.5	10	13	1/2 x 15
	2.0	9	12	1/2 x 18
	2.5	8	10	1/2 x 20
	3.0	7	9	1/2 x 20
2 1/2" H42250 H42250RC3 H42250GFI	0.5	18	21	1/2 x 18
	1.0	16	19	1/2 x 18
	1.5	14	18	1/2 x 18
	2.0	13	16	1/2 x 18
	2.5	12	15	5/8 x 18
	3.0	10	14	5/8 x 20
	4.0	9	12	5/8 x 24
3" H42300 H42300RC3 H42300GFI	1	22	24	5/8 x 18
	2	19	21	5/8 x 18
	3	16	21	5/8 x 20
	4	14	18	5/8 x 24
	6	10	14	5/8 x 28
4" H42400 H42400RC3 H42400GFI	1	29	33	3/4 x 20
	2	26	31	3/4 x 22
	3	23	28	3/4 x 24
	4	21	26	3/4 x 26
	6	19	24	1 x 30
9	15	20	1 x 30	

BASE WITH PLAIN COVER

- H42200 - 2"
- H42250 - 2 1/2"
- H42300 - 3"
- H42400 - 4"



BASE W/ 3 POLE 125V. RECEPTACLE (RC3 TYPE).



BASE W/ DUPLEX RECEPTACLE IN COVER AND GROUND FAULT INDICATOR (GFI)



1) a few local spots in the Gulf area have had maximum winds greater than those of the East Coast. For these, Key West, Mississippi delta, Galveston to Brownsville, use East Coast elevations decreased by 20%.

PROBLEM: An East Coast installation will require a 2 square foot fixture elevated to 18 feet. What size of Base, lower section pipe, and upper section pipe can be specified.

Solution: Checking down the fixture size column, we find that the smallest conduit to handle 2 square feet at 18 feet is the 3" (allowable to 19'). This means that the lower pipe section must be 3" conduit, with an H42300-3" size Base, and a standard length of 3" is ten feet. For the remaining upper 8 feet, 2" conduit will handle this safely, so the overall pole will consist of H42300-3" HOPE Base, ten feet of 3" conduit, 3" x 2" reducing coupling, and 8 feet of 2" conduit.

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Hope Electrical Products Co., Inc.

7 Fairfield Crescent • West Caldwell, NJ 07006
Phone: 973-882-7400 • Fax: 973-244-9292

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