

SPECIFICATIONS

Shaft

Square, fabricated from high grade structural steel tube. Shaft conforms to ASTM-A-501-68 specifications. Meets or exceeds minimum yield strength of 46,000 P.S.I. wall thickness 11 GA. (.120 wall) or 7 GA. (.180 wall) as specified. Shaft is furnished with ground lug located inside pole on wall opposite hand hole.

Drilling Side Mount

A removable pole cap is included. Pole will be drilled to match customer provided drilling template.

Pole Top Mount

Standard pole top mount - PT27, fabricated from 2.5" (2.875" O.D.) steel pipe - tenon options available for pole tops please see Mounting column. For other pole top configurations please consult factory.

Hand Hole Cover

All square Steel Poles - Supplied with reinforced steel 2 5/8" x 4 5/8" access opening. Hand Hole provided with rectangular 3"x5" stamped heavy gauge aluminum material, Sealed door is secured by a formed aluminum bar and a stainless steel, tamper proof screw.

Base Plate

Fabricated from structural quality hot rolled steel. Meets or exceeds minimum yield strength of 36,000 P.S.I. Base telescopes and is circumferentially welded to pole shaft. Slotted bolt holes provide 1" flexibility on either side of bolt circle centerline.

Anchorage

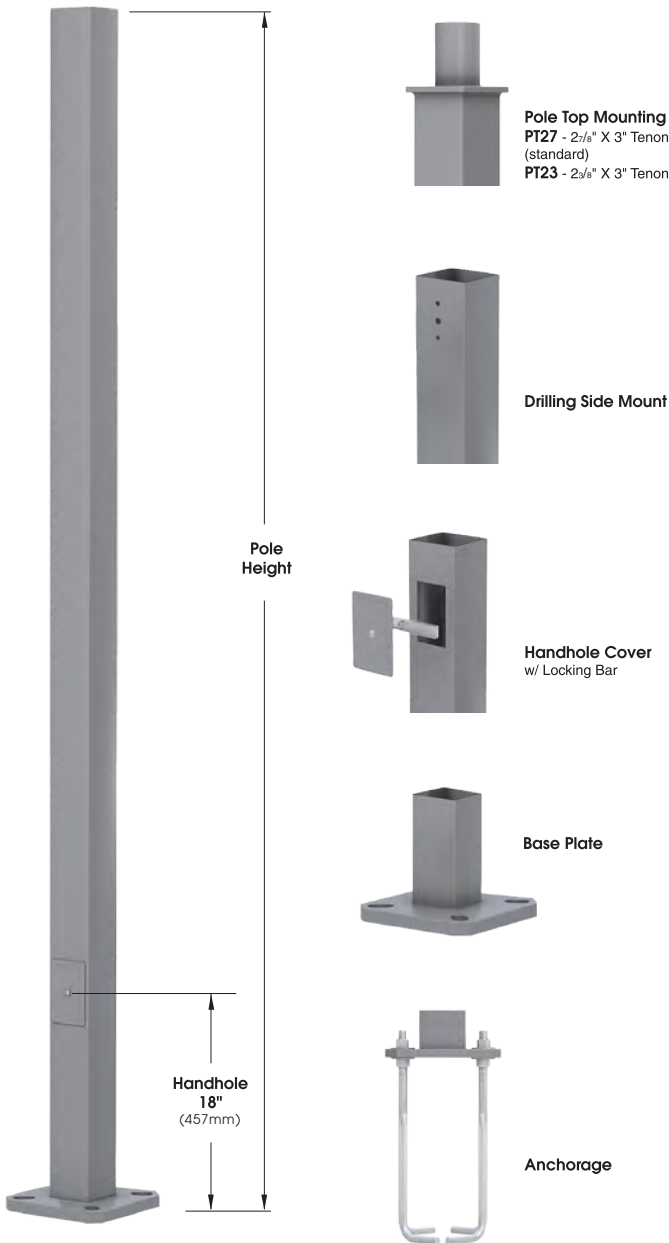
(4) anchor bolts fabricated from hot rolled steel bar. Minimum yield strength of 50,000 P.S.I. Bolts have "L" bend on one end and are threaded on the other. Bolts are fully galvanized and are furnished with two nuts and two washers.

Base Cover

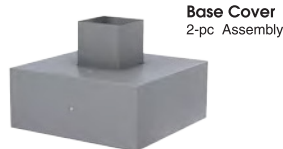
Fabricated from heavy wall aluminum construction. Two piece cover conceals base.

Finish

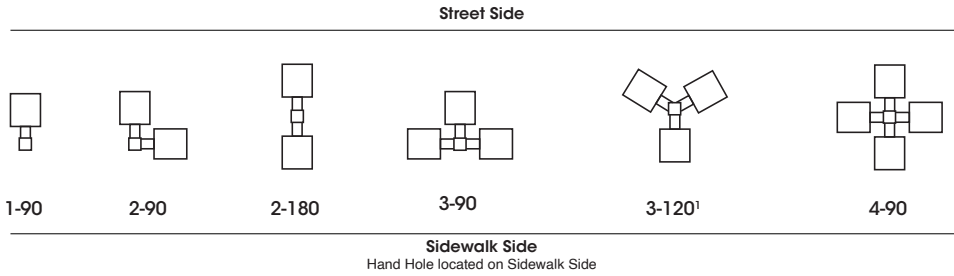
Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step media blast and iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability.



Pole Model	Pole Sq.	Pole Height
HL-SNTS4	4"	10' - 25'
HL-SNTS5	5"	18' - 25'
HL-SNTS6	6"	20' - 25'



DRILLING SIDE MOUNT

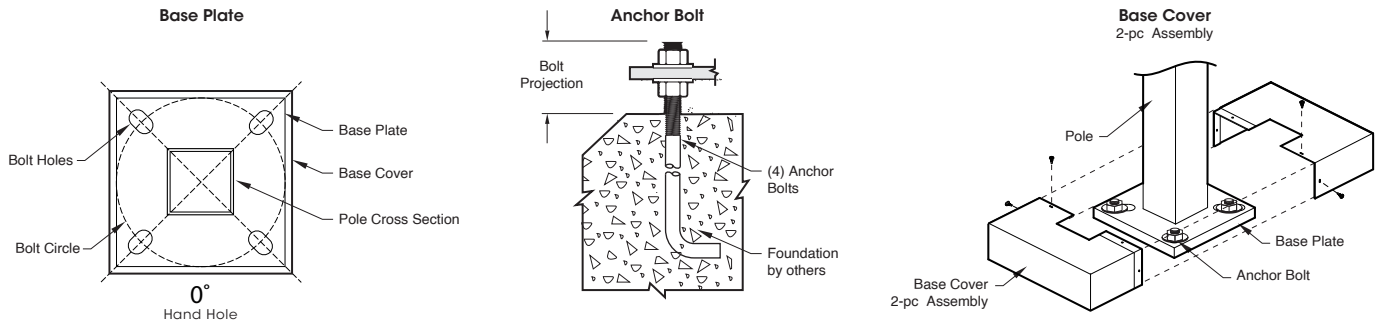


Notes

1- Requires PT27 and T3120 adaptor. (adaptor is rotatable)

[Drilling template must be provided by customer]







BOLT CIRCLE



Catalog Number	POLE							ANCHOR BOLTS				ANCHOR PLATE			
	Height		Bottom - Top				Wall Thickness (In/Ga)	Weight (Lbs)	Bolt Size	Bolt Projection above grade ^{2,3}	Bolt Circle Dia Range ¹	Bolt Circle Dia (In) (Rec.) ¹	Template	Base Plate	Cover
	Ft	M	In	Cm	In	Cm									
HL-SNTS 104 - 11	10	3.05	4.00	4.00	10.16	10.16	11	86	3/4" x 18" x 3"	3/4" - 3/4"	8" - 11"	9"	HL9	3/4" x 10" x 10"	5" x 12" x 12"
HL-SNTS 124 - 11	12	3.66	4.00	4.00	10.16	10.16	11	99	3/4" x 18" x 3"	3/4" - 3/4"	8" - 11"	9"	HL9	3/4" x 10" x 10"	5" x 12" x 12"
HL-SNTS 144 - 11	14	4.27	4.00	4.00	10.16	10.16	11	112	3/4" x 18" x 3"	3/4" - 3/4"	8" - 11"	9"	HL9	3/4" x 10" x 10"	5" x 12" x 12"
HL-SNTS 154 - 11	15	4.57	4.00	4.00	10.16	10.16	11	118	3/4" x 18" x 3"	3/4" - 3/4"	8" - 11"	9"	HL9	3/4" x 10" x 10"	5" x 12" x 12"
HL-SNTS 164 - 11	16	4.88	4.00	4.00	10.16	10.16	11	124	3/4" x 18" x 3"	3/4" - 3/4"	8" - 11"	9"	HL9	3/4" x 10" x 10"	5" x 12" x 12"
HL-SNTS 184 - 11	18	5.49	4.00	4.00	10.16	10.16	11	137	3/4" x 18" x 3"	3/4" - 3/4"	8" - 11"	9"	HL9	3/4" x 10" x 10"	5" x 12" x 12"
HL-SNTS 204 - 11	20	6.10	4.00	4.00	10.16	10.16	11	150	3/4" x 24" x 3"	3/4" - 3/4"	8" - 11"	10"	HL10	3/4" x 10" x 10"	5" x 12" x 12"
HL-SNTS 204 - 7	20	6.10	4.00	4.00	10.16	10.16	7	210	3/4" x 30" x 3"	3/4" - 3/4"	8" - 11"	11"	HL11	3/4" x 10" x 10"	5" x 12" x 12"
HL-SNTS 254 - 11	25	7.62	4.00	4.00	10.16	10.16	11	181	3/4" x 24" x 3"	3/4" - 3/4"	8" - 11"	11"	HL11	3/4" x 10" x 10"	5" x 12" x 12"
HL-SNTS 254 - 7	25	7.62	4.00	4.00	10.16	10.16	7	257	3/4" x 30" x 3"	3/4" - 3/4"	8" - 11"	11"	HL11	3/4" x 10" x 10"	5" x 12" x 12"
HL-SNTS 185 - 11	18	5.49	5.00	5.00	12.70	12.70	11	171	1" x 36" x 4"	4" - 4 1/2"	10 1/2" - 12 1/2"	12"	HL12	1" x 11 1/2" x 11 1/2"	5" x 12" x 12"
HL-SNTS 205 - 11	20	6.10	5.00	5.00	12.70	12.70	11	187	1" x 36" x 4"	4" - 4 1/2"	10 1/2" - 12 1/2"	12"	HL12	1" x 11 1/2" x 11 1/2"	5" x 12" x 12"
HL-SNTS 205 - 7	20	6.10	5.00	5.00	12.70	12.70	7	234	1" x 36" x 4"	4" - 4 1/2"	10 1/2" - 12 1/2"	12"	HL12	1" x 11 1/2" x 11 1/2"	5" x 12" x 12"
HL-SNTS 255 - 11	25	7.62	5.00	5.00	12.70	12.70	11	227	1" x 36" x 4"	4" - 4 1/2"	10 1/2" - 12 1/2"	12"	HL12	1" x 11 1/2" x 11 1/2"	5" x 12" x 12"
HL-SNTS 255 - 7	25	7.62	5.00	5.00	12.70	12.70	7	323	1" x 36" x 4"	4" - 4 1/2"	10 1/2" - 12 1/2"	12"	HL12	1" x 11 1/2" x 11 1/2"	5" x 12" x 12"
HL-SNTS 206 - 7	20	6.10	6.00	6.00	15.24	15.24	7	322	1" x 36" x 4"	4" - 4 1/2"	11 1/2" - 14 1/2"	12"	HL12	1" x 13 1/2" x 13 1/2"	5" x 14" x 14"
HL-SNTS 256 - 7	25	7.62	6.00	6.00	15.24	15.24	7	393	1" x 36" x 4"	4" - 4 1/2"	11 1/2" - 14 1/2"	12"	HL12	1" x 13 1/2" x 13 1/2"	5" x 14" x 14"

1 - Not using correct bolt size or "(REC.) Recommended" Bolt Circle could result in Pole's failure.
 2 - Bolt Projection is calculated for slopes with 3 degrees or less.
 3 - For slopes greater than 3 degrees, please add Bolt Length Projection as necessary.

ORDERING INFORMATION
Spec/Order Example: HL-SNTS124-11/2-180/7004-S

Pole Model Number			Mounting	Finish	Options
	Pole Height	Wall Thickness			
4" Pole Dia.			Tenon Mount	Standard Smooth Finish	
HL-SNTS 104 - 11	10'	11	PT27 27/8" X 3" Tenon (Standard)	9005-S Black	VBDS-M2 Vibration Dampener 2nd Mode Field Install
HL-SNTS 124 - 11	12'	11	PT23 23/8" X 3" Tenon	9003-S White	
HL-SNTS 144 - 11	14'	11	PT276 27/8" X 6" Tenon	7004-S Grey	
HL-SNTS 154 - 11	15'	11	Other Tenon Mt _____	8019-S Dark Bronze	
HL-SNTS 164 - 11	16'	11		6005-S Green	
HL-SNTS 184 - 11	18'	11			
HL-SNTS 204 - 11	20'	11			
HL-SNTS 204 - 7	20'	7			
HL-SNTS 254 - 11	25'	11			
HL-SNTS 254 - 7	25'	7			
5" Pole Dia.			Drill Mount	Premium Finishes	
HL-SNTS 185 - 11	18'	11	1-90 	Custom Specify RAL# _____	
HL-SNTS 205 - 11	20'	11	2-180 	GLV Galvanized	
HL-SNTS 205 - 7	20'	7	2-90 		
HL-SNTS 255 - 11	25'	11	3-90 		
HL-SNTS 255 - 7	25'	7	4-90 		
			3-120 		
			3-120 requires PT27 and T3120 Adapter		
			[Drilling template must be provided by customer]		
6" Pole Dia.					
HL-SNTS 206 - 7	20'	7			
HL-SNTS 256 - 7	25'	7			
Other heights available Please consult factory					
					Receptacle
					GFI G.F.I. Receptacle w/ Cover
					GFI-IU G.F.I. Receptacle w/ In-Use Cover
					[Specify GFI location: Height and Direction] See Location Diagram below
					T3120 3 Way Adapter
					[Drilling template must be provided by customer]
					Coupling
					CPLN12 1/2" Coupling
					CPLN34 3/4" Coupling
					CPLN114 1 1/4" Coupling
					CPLN112 1 1/2" Coupling
					CPLN2 2" Coupling
					[Specify Coupling location: Height and Direction] See Location Diagram below
					Nipple
					NPLE12 1/2" Nipple
					NPLE34 3/4" Nipple
					NPLE114 1 1/4" Nipple
					NPLE112 1 1/2" Nipple
					NPLE2 2" Nipple
					[Specify Coupling location: Height and Direction] See Location Diagram below

ACCESSORIES

GFI
Duplex GFI
w/ Cover

GFI-IU
Duplex GFI w/
In-Use Cover

T3120
3 Way Adapter

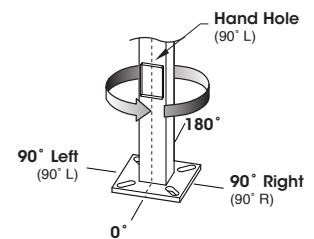
(Drilling template must
be provided by
customer)

CPLN
1/2", 3/4", 1 1/4", 1 1/2",
or 2" Coupling

NPLE
1/2", 3/4", 1 1/4", 1 1/2",
or 2" Nipple

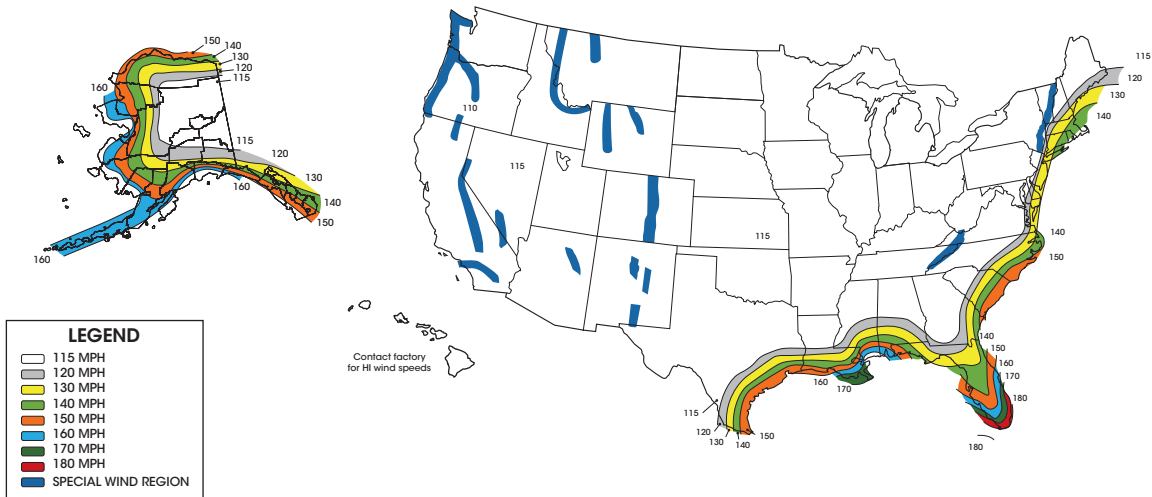
Location Diagram

Please use this diagram to indicate placement location



Refer to the Accessories Section for other options

WIND MAP



EPA INFORMATION (ft²)

(per AASHTO LRFDLTS-1 revised 2022)

Cat. No.	Weight Capacity Maximum (Lbs.)	100 MPH	110 MPH	115 MPH	120 MPH	130 MPH	140 MPH	150 MPH	160 MPH	170 MPH	180 MPH
HL-SNTS 104-11	300 - 287*	15.0	15.0	15.0	15.0	15.0	15.0	13.0	10.8	9.5	8.2
HL-SNTS 124-11	300 - 199.5*	15.0	15.0	15.0	15.0	13.9	11.7	9.5	7.9	6.5	5.7
HL-SNTS 144-11	300 - 189*	15.0	15.0	15.0	15.0	14.2	11.4	9.8	8.2	6.8	5.4
HL-SNTS 154-11	300 - 94.5*	15.0	15.0	13.7	11.9	9.7	7.5	5.9	4.7	3.9	2.7
HL-SNTS 164-11	300 - 63*	15.0	12.8	11.4	9.8	8.0	6.0	4.6	3.8	2.8	1.8
HL-SNTS 184-11	300 - 60*	13.2	10.0	9.0	7.6	6.0	4.4	3.2	2.2	1.4	0.4
HL-SNTS 204-11	300 - 60*	12.6	9.4	8.4	7.2	5.0	3.8	2.6	1.6	0.8	0.0
HL-SNTS 204-7	300 - 60*	14.4	11.2	9.8	8.2	6.4	4.8	3.4	2.0	1.4	0.4
HL-SNTS 254-11	300 - 60*	15.0	11.4	8.2	5.6	4.2	3.6	1.8	0.8	0.0	0.0
HL-SNTS 254-7	300 - 60*	15.0	14.0	10.4	8.6	7.0	5.6	4.4	3.3	2.2	1.2
HL-SNTS 185-11	300 - 182*	15.0	15.0	15.0	15.0	15.0	12.8	10.0	8.0	6.6	5.2
HL-SNTS 205-11	300 - 112*	15.0	15.0	15.0	15.0	12.6	9.8	7.8	6.0	4.2	3.2
HL-SNTS 205-7	300 - 154*	15.0	15.0	15.0	15.0	14.8	12.0	9.2	7.2	5.8	4.4
HL-SNTS 255-11	300 - 60*	15.0	11.6	9.8	8.6	6.0	3.6	2.0	1.0	0.0	0.0
HL-SNTS 255-7	300 - 87.5*	15.0	14.2	12.2	10.2	7.6	10.4	7.4	5.4	3.8	2.5
HL-SNTS 206-7	300 - 287*	15.0	15.0	15.0	15.0	15.0	15.0	15.0	12.0	9.6	8.2
HL-SNTS 256-7	300 - 199.5*	12.4	12.0	11.7	11.4	11.0	10.5	10.1	8.3	6.8	5.7

EPA INFORMATION (ft²)

(per 2020 FL Building Code)

Cat. No.	Weight Capacity Maximum (Lbs.)	120 MPH	130 MPH	140 MPH	150 MPH	160 MPH	170 MPH	180 MPH
HL-SNTS 104-11	300 - 259*	15.0	14.2	12.9	11.7	9.7	8.6	7.4
HL-SNTS 124-11	300 - 178.5*	11.4	10.3	9.4	8.6	7.1	5.9	5.1
HL-SNTS 144-11	300 - 171.5*	11.7	10.7	9.7	8.8	7.4	6.1	4.9
HL-SNTS 154-11	249 - 84*	7.1	6.4	5.8	5.3	4.2	3.5	2.4
HL-SNTS 164-11	193 - 60*	5.5	5.0	4.6	4.1	3.4	2.5	1.6
HL-SNTS 184-11	133 - 60*	3.8	3.5	3.2	2.9	2.0	1.3	0.4
HL-SNTS 204-11	109 - 60*	3.1	2.8	2.6	2.3	1.4	0.7	0.0
HL-SNTS 204-7	144 - 60*	4.1	3.7	3.4	3.1	1.8	1.3	1.0
HL-SNTS 254-11	60	1.2	1.1	1.0	0.0	0.0	0.0	0.0
HL-SNTS 254-7	60	1.3	1.2	1.1	1.0	0.4	0.0	0.0
HL-SNTS 185-11	300 - 164.5*	12	10.9	9.9	9.0	7.2	5.9	4.7
HL-SNTS 205-11	300 - 101.5*	9.3	8.5	7.7	7.0	5.4	3.8	2.9
HL-SNTS 205-7	300 - 140*	11.0	10.0	9.1	8.3	6.5	5.2	4.0
HL-SNTS 255-11	84 - 60*	2.4	2.2	2.0	1.8	0.9	0.0	0.0
HL-SNTS 255-7	133 - 60*	3.8	3.5	3.2	2.9	2.3	1.6	1.0
HL-SNTS 206-7	300 - 84*	9.0	8.2	7.4	6.8	5.0	3.7	2.4
HL-SNTS 256-7	161 - 60*	4.6	4.2	3.8	3.5	2.8	1.9	1.2

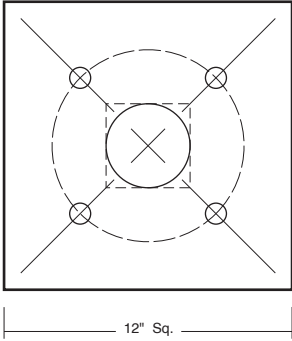
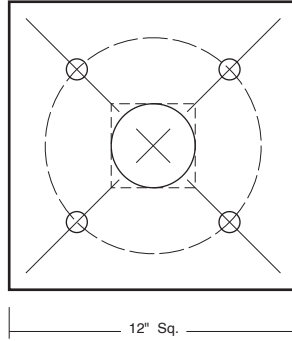
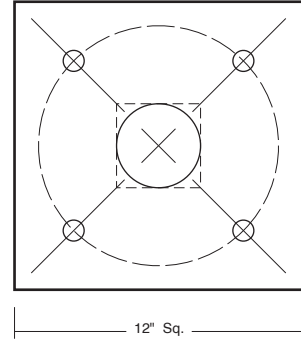
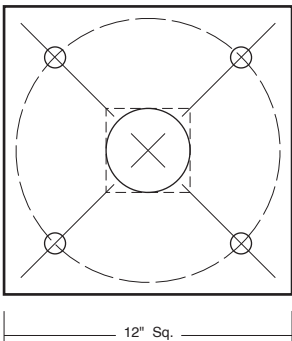
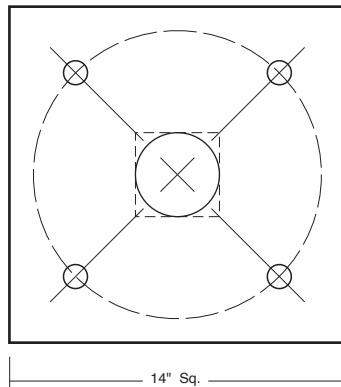
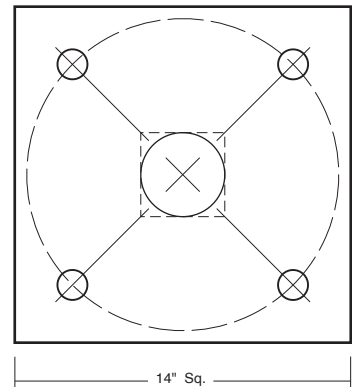
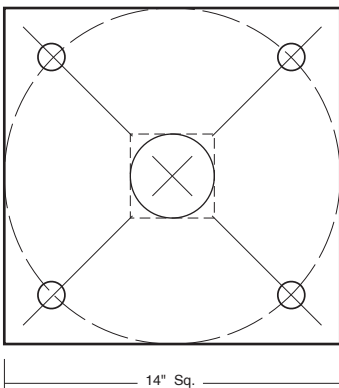
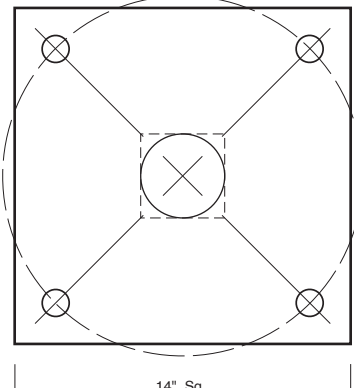
* Please use the following to obtain the proper weight capacity: The maximum fixture weight equals 60 lbs. or the product of 35 lbs. x the EPA value, whichever is greater, not to exceed 300 lbs. Example, EPA = 2.2 , weight = 35 lbs. x 2.2 EPA = 77 lbs.

Notes

- Specifier is responsible for correct pole selection. For proper pole choice, the specifier must consider the total EPA of fixtures, banners, arms, and any other accessories attached to pole assembly.
- ALL EPAs are calculated for ground installations. For installations on bridges, buildings or other structures, the specifier must contact the factory or consult with a structural Engineer
- Unpredictable aerodynamic forces such as wind-induced vibrations are not included in wind velocity ratings or EPA ratings.
- Wind gust factors are considered in developing all EPA chart data.

To mitigate 2nd Mode (Aeolian) Vibration please read the following Recommendations:

- We do not recommend the installation of poles without a fixture; such installation have been known to fail due to high pole vibrations. Replace with note 1 above
- Pole installations with a combined (fixtures, banners, flags, etc.) of less than 0.75 ft2 EPA and 25 feet or taller should be installed with a vibration dampener. Please consult with your site structural engineer.

ANCHOR BOLT TEMPLATES**HL8**
8" Bolt Circle**HL9**
9" Bolt Circle**HL10**
10" Bolt Circle**HL11**
11" Bolt Circle**HL12**
12" Bolt Circle**HL13**
13" Bolt Circle**HL14**
14" Bolt Circle**HL15**
15" Bolt Circle**HL16**
16" Bolt Circle