


# Area Lighting

Reliable steel structures for safe and consistent coverage



 +1 (281) 444-8277

 +1 (281) 444-7270

 [www.tappinc.com](http://www.tappinc.com)

 25700 I-45 Suite 315, Spring, TX 77386



QUALITY STEEL POLES. DELIVERED.

# Strength in Design Integrity in Every Structure

Founded in 1958, Trans-American Power Poles (TAPP Inc.) is a family-owned company helped shape modern infrastructure with innovative designs and high-quality steel poles.

With over 60 years of experience, TAPP is a trusted partner for Utility and Telecom clients across North America.

At TAPP, we do more than build craft steel structures, we build confidence. Each project is custom-engineered to solve real-world challenges, combining advanced technology, efficiency, and a deep understanding of our customers' needs.

Our commitment extends beyond manufacturing. We focus on long-term partnerships grounded in trust, responsiveness, and a shared dedication to excellence.

## Manufacturing Excellence

- Two advanced manufacturing plants with more than 3,000+ employees
- Over 1.5 million sq. ft. of combined production space
- Capacity to process 1,800 tons of steel per week
- Fabrication of pole sections up to 60 ft in length and 40,000 lbs
- ISO 9001 & AISC certified for quality and structural integrity





## Our Market Focus

Delivering precision manufacturing and engineering solutions with over six decades of trusted expertise.



## Innovation Driven

We innovate with purpose, turning ideas into practical solutions that shape the future of infrastructure.



## Our Customer Commitment

Exceeding customer expectations isn't just a goal- it's our standard.

Manufacturing Plant in Guadalajara, Jalisco



Where Innovation Meets Precision



Craftsmanship in Action



# Smart Illumination for Outdoor Environments

## Enhancing Safety and Visibility in Every Space

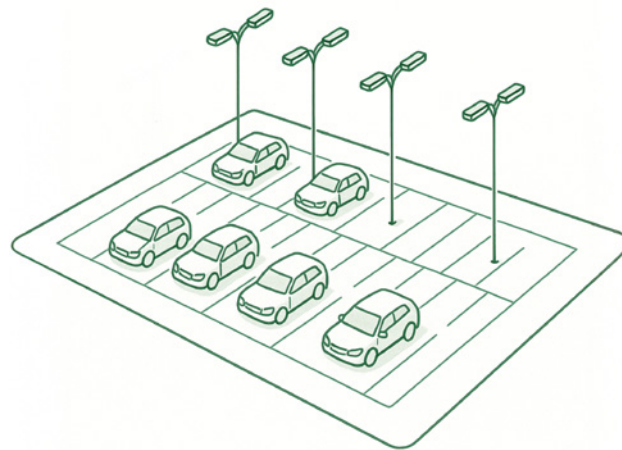
### Area Lighting Pole

Proper lighting is essential for creating safe, secure, and visually appealing parking areas. It not only enhances the overall look and feel of the space but also plays a vital role in helping both drivers and pedestrians move safely throughout the area.

This section explores the key functions of parking lot pole lighting—its significance, different lighting types, installation factors, and maintenance considerations.

Area lighting poles serve several important functions, with safety and security at the forefront. Sufficient illumination helps prevent accidents by clearly lighting driveways, walkways, entrances, and exits, making it easier for people to see and navigate.

Additionally, a well-lit parking lot discourages criminal activity by reducing dark areas and increasing visibility. Beyond functionality, quality lighting contributes to a more welcoming and professional atmosphere, enhancing the overall experience for visitors and customers.



### Area Lighting Projection

Optimal pole height is determined by balancing mounting height, fixture output, and target ground-level illumination. Taller poles deliver wider light coverage but require higher-output fixtures to maintain consistent brightness.

Choosing the right configuration ensures efficient energy use, uniform lighting distribution, and long-term durability.



## AREA LIGHTING SOLUTIONS

Designed to deliver consistent illumination across large outdoor areas, TAPP area lighting poles help improve visibility, safety, and overall site performance. From parking lots to commercial and industrial spaces, our structures are engineered to support reliable lighting solutions that meet real-world demands.

# RT Series Area Lighting

# Item	Shaft					Base Plate			Anchor Bolts	Structural Weight.	80 MPH w/1.3 Gust	80 MPH w/1.3 Gust	90 MPH w/1.3 Gust		100 MPH w/1.3 Gust		110 MPH w/1.3 Gust		120 MPH w/1.3 Gust		Minimum Purchase	
Item	Pole Height (ft.)	Catalog Number	Base O.D. (in.)	Top O.D. (in.)	Wall Thickness (in.)	Bolt Circle (in.)	Plate Square (in.)	Plate Thk. (in.)	Dia x Length x Hook. (in.)		Maximum Effective Projected Area. (sqft.)	Maximum Weight. (lbs.)	Maximum Effective Projected Area. (sqft.)	Maximum Weight. (lbs.)	Maximum Effective Projected Area. (sqft.)	Maximum Weight. (lbs.)	Maximum Effective Projected Area. (sqft.)	Maximum Weight. (lbs.)	Maximum Effective Projected Area. (sqft.)	Maximum Weight. (lbs.)	Maximum Effective Projected Area. (sqft.)	Maximum Weight. (lbs.)
1	8	RT-08A412L	4.12	3.00	0.1196	7.00	7.00	0.750	0.625 x 17 x 3	77	34.00	863	28.00	685	23.00	550	19.00	450	12.00	385	24	
2	10	RT-10A440L	4.40	3.00	0.1196	7.50	7.50	0.750	0.625 x 17 x 3	90	32.50	765	26.50	613	21.50	488	18.00	400	14.50	338	20	
3	12	RT-12A468L	4.68	3.00	0.1196	7.75	7.75	0.750	0.75 x 17 x 3	107	29.00	713	23.00	563	18.50	450	15.00	375	12.50	313	20	
4	14	RT-14A496L	4.96	3.00	0.1196	8.00	8.50	1.000	0.75 x 17 x 3	127	30.00	675	24.00	538	19.00	425	16.00	350	13.00	300	20	
5	16	RT-16A524L	5.24	3.00	0.1196	8.25	9.00	1.000	0.75 x 17 x 3	143	27.50	625	22.00	488	17.50	400	14.50	325	12.00	275	20	
6	18	RT-18A552L	5.52	3.00	0.1196	8.50	9.50	1.000	0.75 x 17 x 3	159	25.50	588	20.50	463	16.50	375	13.50	300	11.00	250	21	
7		RT-18A650M	6.50	3.98	0.1196	9.50	9.50	1.000	1 x 36 x 4	209	38.00	863	29.00	688	23.50	550	19.00	463	16.00	388	8	
8	20	RT-20A580L	5.80	3.00	0.1196	9.00	9.00	1.000	0.75 x 17 x 3	171	24.50	563	19.50	438	16.00	350	12.50	288	10.50	238	21	
9		RT-20A650M	6.50	3.70	0.1196	9.50	9.50	1.000	1 x 36 x 4	219	32.00	725	25.00	575	20.00	475	16.50	388	13.50	325	8	
10	25	RT-25A650L	6.50	3.00	0.1196	9.50	9.50	1.000	1 x 36 x 4	241	22.50	500	18.00	388	14.00	313	11.00	263	8.50	213	8	
11		RT-25A700M	7.00	3.50	0.1196	10.00	10.00	1.000	1 x 36 x 4	260	27.00	600	21.00	475	16.50	388	13.50	313	10.50	263	8	
12		RT-25C700H	7.00	3.50	0.1875	10.75	10.75	1.250	1 x 36 x 4	368	50.00	913	38.00	738	32.00	600	26.00	488	21.00	413	8	
13	30	RT-30A720L	7.20	3.00	0.1196	10.50	10.50	1.000	1 x 36 x 4	292	21.00	450	16.00	363	13.00	288	10.00	238	8.00	200	8	
14		RT-30A800M	8.00	3.80	0.1196	11.00	11.00	1.250	1 x 36 x 4	333	27.00	613	21.00	488	16.50	388	13.00	313	10.50	263	8	
15		RT-30C800H	8.00	3.80	0.1875	11.50	11.50	1.250	1.25 x 42 x 6	496	40.50	938	31.50	750	25.50	613	21.00	500	17.00	413	4	
16	35	RT-35A790L	7.90	3.00	0.1196	11.00	11.00	1.250	1 x 36 x 4	350	20.00	425	15.00	338	11.50	275	9.00	225	7.50	188	8	
17		RT-35A850M	8.50	3.60	0.1196	11.50	11.50	1.250	1 x 36 x 4	383	23.50	538	18.00	425	14.00	350	11.00	275	9.00	225	8	
18		RT-35C850H	8.50	3.60	0.1875	12.00	12.00	1.500	1.25 x 42 x 6	581	50.50	838	40.00	663	32.50	550	27.00	450	22.00	375	8	
19	40	RT-40A860L	8.60	3.00	0.1196	11.75	11.75	1.250	1 x 36 x 4	411	17.50	413	14.00	325	11.00	263	8.00	213	6.50	175	8	
20		RT-40A900M	9.00	3.40	0.1196	12.00	12.00	1.250	1 x 36 x 4	435	18.50	475	15.50	388	12.00	313	9.50	250	7.50	200	8	
21		RT-40C900H	9.00	3.40	0.1875	12.50	12.50	1.500	1.25 x 42 x 6	661	35.00	738	35.00	600	29.50	488	24.00	400	20.00	338	6	
22	45	RT-45A930L	9.30	3.00	0.1196	12.50	12.50	1.250	1 x 36 x 4	477	23.00	388	18.00	313	14.00	250	11.00	200	8.50	163	8	
23		RT-45A105M	10.50	4.20	0.1196	14.00	14.00	1.250	1.25 x 42 x 6	592	24.50	513	18.50	413	14.50	325	11.00	263	9.00	213	6	
24		RT-45C100H	10.00	3.70	0.1875	13.50	14.00	1.500	1.25 x 42 x 6	802	37.50	700	37.50	638	30.50	525	24.50	425	21.00	350	6	
25	50	RT-50A105L	10.50	3.50	0.1196	14.00	14.00	1.250	1 x 36 x 4	587	18.00	375	14.50	300	10.50	238	8.00	200	6.00	163	8	
26		RT-50C110M	11.00	4.00	0.1875	15.50	16.50	1.500	1.25 x 42 x 6	973	37.00	850	38.00	675	31.50	550	25.50	450	21.00	375	4	
27		RT-50F115H	11.50	4.50	0.1875	15.50	15.50	1.500	1.5 x 54 x 6	1079	46.00	1113	43.00	900	35.00	750	29.00	613	24.00	513	4	

## What's Included in Each Pole Package

### Included

- \* Round Taper Shaft.
- \* Base Plate.
- \* (4) Anchor Bolts.
- \* (1) Template.
- \* (1) Top Cover or Tenon.
- \* (1) Hand Hole Assembly (2" x 4", 3" x 5", or 4" x 6"), as applicable.
- \* (2) Standard Grounding Tab 1" X 4".
- \* Seam Weld Grinded.
- \* Galvanized.

### Not included:

Cover bases, Lighting fixtures and Nut Covers

### Paint (Optional)

- Sherwin-Williams Sher-Loxane 800
- Per AGA Specifications Section 09900.
  - Preparing Hot-Dip Galvanized surfaces for Painting.

### CATALOG NUMBER NOMENCLATURE

The last letter in each code represents the duty classification of the pole, based on its strength and application.

**L** = Light Duty

**M** = Medium Duty

**H** = Heavy Duty

## Design Standards & Connection Details

- To obtain pricing, please request a quote.
- Structure weight includes Anchor Bolts and Templates weight.
- Freight for AB and templates can be arranged upon customer request.
- All quotes are based on FOB Houston, Texas.
- Cyclic loading considerations are not included.
- Design per HSE SAFI Structural Software, which complies with AASHTO LTS-15 LRFD (1st edition) specifications.
- Assembly and fabrication drawings developed in Solidworks 3D CAD software.
- PE / SE stamp available in all 50 states.



# Area Lighting Structures

The "RT" Series is a round tapered area lighting pole offered in lengths from 8 to 50 feet. These standard poles accept a wide range of lighting configurations, however, if the standard sizes do not meet client requirements, a pole can be custom designed to any specifications.

## Pole Shaft:

The pole shaft is fabricated from a structural quality weldable grade of hot-rolled carbon steel with a minimum yield strength of 55,000 ksi (Gauge 11) or 65,000 ksi (Gauge 3/16"). The shaft has a round cross-section with a uniform taper of 0.14 inches per foot of length.

## Base Plate:

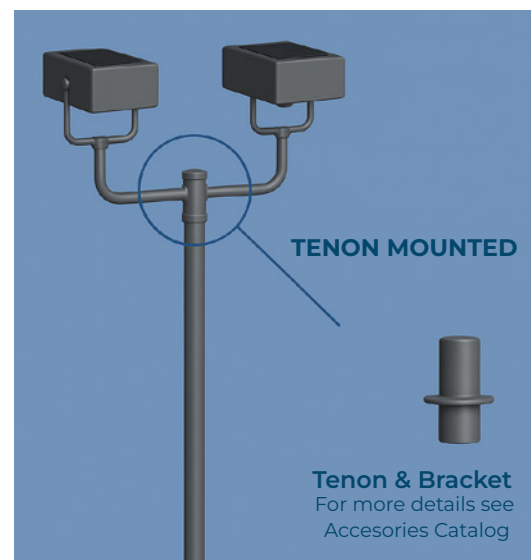
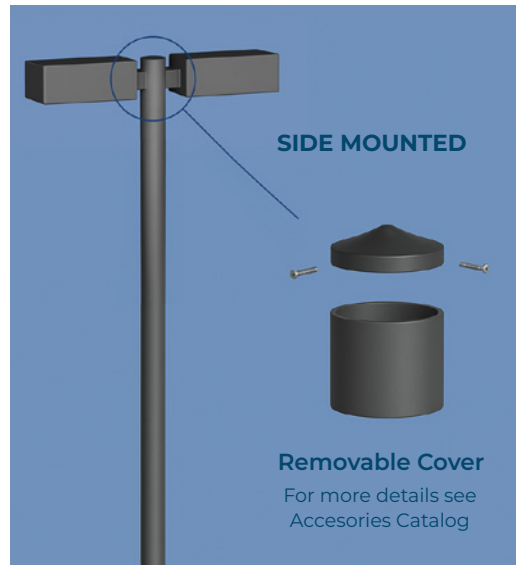
The base plate is fabricated from structural quality weldable hot-rolled carbon steel with a minimum yield strength of 36,000 ksi.

## Anchor Bolts:

The anchor bolts are fabricated from hot-rolled carbon steel bars with a minimum yield strength of 55,000 ksi. The threaded end is galvanized a minimum of 12" and each bolt is furnished with two flat washers and two hex nuts.

## Handhole:

Each pole is furnished with one (1) handhole. Handhole size varies (2" x 4", 3" x 5", or 4" x 6") in accordance with the AASHTO 0.4 x D limitation and is located 15 inches above the base. The handhole includes a 1/2"-13 UNC nut for grounding purposes and is supplied with a handhole cover and all required hardware.



## Pole Mountings:

The pole top tenon is fabricated from 2" SCH 40 pipe with a minimum yield strength of 42,000 ksi. For side-mounted fixtures, pole tops may be drilled to customer's specifications.

## Coating & Finishing:

All steel components will be hot-dip galvanized in accordance with ASTM A 123. Painting is optional and may be applied if desired.

# Area Lighting

## *Fixture Mounts*



# Side Mounted Bullhorns

## Luminaire Arms

Side mounted bullhorn arms are attached directly to the side of the pole, extending outward to hold one or more light fixtures. This design provides flexibility for directing light to specific areas such as streets, parking lots, or pedestrian pathways, while maintaining a clean and functional look.

**Connection allows arm to be erected and held in place by gravity and secured by a single bolt.**



### Arms:

2.38" OD x 0.154" wall with a minimum yield strength of 36,000 ksi.

### Arm Connection:

The one-bolt simplex is cast from carbon steel with a minimum yield strength of 36,000 ksi. The simplex is supplied with one 1/2"-13 UNC hex head bolts.

### Coating & Finishing:

All steel components will be hot-dip galvanized according with with ASTM A123. Painting is optional and available upon request.

### Fixture Loading:

Maximum EPA and weight values are based on luminaires having a centroid 1'-6" above the bracket top and a maximum mounting height of 70ft.

Catalog Number	Description	Quantity Luminaires	Max. EPA (every lum.) (ft2)	Max. Weight (every lum.) (lbs)	Maximum Height Design (ft)	Wind Velocity (MPH)	Gust Factor
SDCONLIGHT-SSP-1	Side Bullhorn	1	6	125	70	120	1.3
SDCONLIGHT-SMB-1	Side Bullhorn 1		5				
SDCONLIGHT-SMB-2	Side Bullhorn 2	2	3	100			

# Top Mounted Classical

## Luminaire Arms

The top mounted classical style features a decorative and traditional design placed at the very top of the pole. It is ideal for projects that require both performance and aesthetics, offering a timeless look that enhances urban landscapes, plazas, or architectural spaces while supporting one or multiple fixtures.

**The maximum straight luminaire slipfit length is 6" for all 4'-0" arms and 12" for all 6'-0" arms.**



### Arms:

2.38" OD x 0.154" wall with a minimum yield strength of 36,000 ksi.

### Coating & Finishing:

All steel components will be hot-dip galvanized according with with ASTM A123. Painting is optional and available upon request.

### Fixture Loading:

Maximum EPA (Effective Projected Area) and weight values are based on luminaires having a centroid 1.75' above the bracket top and a maximum mounting height of 70'-0".

Catalog Number	Description	Quantity Luminaires	Max. EPA (every lum.) (ft2)	Max. Weight (every lum.) (lbs)	Maximum Height design (ft)	Wind Velocity (MPH)	Gust Factor
SDCONLIGHT-CL180-2-4FT	Classical 180° 4FT	2	2	75	70	120	1.3
SDCONLIGHT-CL180-2-6FT	Classical 180° 6FT						
SDCONLIGHT-CL120-3	Classical 120° 4FT	3					
SDCONLIGHT-CL90-4	Classical 90° 4FT	4					

# Top Mounted Bullhorns

## Luminaire Arms

Top mounted bullhorns are installed at the top of the pole and shaped like a bullhorn, with arms that spread outward to accommodate several fixtures at once. This option is perfect for applications that require wide-area illumination, such as large parking areas, sports fields, or public spaces, combining efficiency with a modern appearance.

**Connection allows arm to be erected and held in place by gravity and secured by a single bolt.**



### Arms:

2.38" OD x 0.154" wall with a minimum yield strength of 36,000 ksi.

### Coating & Finishing:

All steel components will be hot-dip galvanized according with with ASTM A123. Painting is optional and available upon request.

### Fixture Loading:

Maximum EPA and weight values are based on luminaires having a centroid 1'-6" above the bracket top and a maximum mounting height of 70ft.

Catalog Number	Description	Quantity Luminaires	Max. EPA (every lum.) (ft2)	Max. Weight (every lum.) (lbs)	Maximum Height design (ft)	Wind Velocity (MPH)	Gust Factor
SDCONLIGHT-TMB90-4	Bullhorn 90° 2FT	4	3.5	150	70	120	1.3
SDCONLIGHT-TMB120-3	Bullhorn 120° 2FT	3	4.7				
SDCONLIGHT-TMB180-2	Bullhorn 180° 1.5FT	2	7.3				
SDCONLIGHT-MD103	Bullhorn 180° 2.5FT	3	4.7				
SDCONLIGHT-TMB180-4	Bullhorn 180° 3.75FT	4	3.4	100	70	120	1.3
SDCONLIGHT-TMB180-5	Bullhorn 180° 6FT	5	3				

# Top Mounted Spoke

## Luminaire Arms

The top mounted spoke design resembles a wheel spoke pattern, with multiple arms radiating evenly from the top of the pole. It allows for symmetrical placement of fixtures around the pole, delivering uniform light distribution in all directions. This makes it especially suitable for roundabouts, open plazas, or large outdoor venues.

**The maximum straight luminaire slipfit length is 10.50" for all arm brackets.**



### Arms:

2.38" OD x 0.154" wall with a minimum yield strength of 36,000 ksi.

### Coating & Finishing:

All steel components will be hot-dip galvanized according with with ASTM A123. Painting is optional and available upon request.

### Fixture Loading:

Maximum EPA (Effective Projected Area) and weight values are based on luminaires having a centroid 6" above the bracket top and a maximum mounting height of 70'-0".

Catalog Number	Description	Quantity Luminaires	Max. EPA (every lum.) (ft2)	Max. Weight. (every lum.) (lbs)	Maximum Height design (ft)	Wind Velocity (MPH)	Gust Factor
SDCONLIGHT-TSP-1	Spoke 1FT	1	6	125	70	120	1.3
SDCONLIGHT-TSP90-2	Spoke 90° 1FT	2					
SDCONLIGHT-TSP90-3	Spoke 90° 1FT	3					
SDCONLIGHT-TSP90-4	Spoke 90° 1FT	4					
SDCONLIGHT-TSP120-3	Spoke 120° 1FT	3					
SDCONLIGHT-TSP180-2	Spoke 180° 1FT	2					

# TERMS & CONDITIONS

## Warranty

TransAmerican Power Products Inc. ("TAPP") warrants that materials it manufactures and supplies are free from defects in material and workmanship at the time of shipment. This warranty is limited to repair or replacement of defective materials and expires one (1) year from the delivery date.

The warranty does not cover damage resulting from misuse, neglect, alteration, accidents, improper installation, or conditions occurring after shipment, including during storage or installation.

*No other warranties, guarantees, or representations are made beyond those expressly stated herein.*

## Engineering

The customer is responsible for the use and approval of all drawings and calculations. Designs are based on site-specific data provided by the customer.

TAPP is not liable for errors or changes made after design approval. The customer must consult a licensed engineer for any modifications and agrees to hold TAPP harmless from resulting claims or damages.

## Inspection

Customers must report workmanship issues to the TAPP Project Manager within 24 hours of delivery and before installation, including photos and a description. TAPP is not liable for downtime during remedy discussions, including galvanization concerns. After installation, TAPP's ability to advise on galvanization is limited. Any required inspections or certifications must be requested during the quoting stage.

## Photography

TAPP reserves the right to photograph completed installations for use in company literature, promotional materials, and advertising. Customer-provided installation photos are appreciated.

## Notes

TAPP reserves the right to correct typographical errors. Any matters addressed in these terms will follow standard industry practices.

TAPP's liability is limited to the purchase price of the order. TAPP and its agents are not responsible for any indirect, incidental, or consequential damages, including labor, installation, replacement costs, lost profits, penalties, or other related expenses arising from the condition or performance of its products or services.

# Visit Us at Our Corporate Headquarters

25700 I-45 Suite 315, Spring, TX 77386



## **SPECIAL NOTES:**

- Final local tax amount will be calculated and added to the invoice.
- Due to fluctuations in steel prices, galvanizing, and freight costs, our quotations are subject to change prior to purchase order acceptance.

## **DISCLAIMER**

Product photos are for reference only. Actual items may vary in appearance, features, or specifications.

**For questions related to this catalog or pricing, please contact the quoting department:**

E-mail: [ShaftRFQ@tappinc.com](mailto:ShaftRFQ@tappinc.com)

Phone: +1 (832) 552-1046



## HIGH - QUALITY STEEL POLES ENGINEERED FOR EXCELLENCE

Global Sourcing, Strength in Diversity  
Custom Steel Pole Solutions

### Certifications & Industry Standards

