

# RF-S // ROUND TAPERED STEEL

## PEDESTRIAN METAL POLE



**King Luminaire**

### POLE SPECIFICATIONS

**MATERIAL:**  
Round Tapered Steel

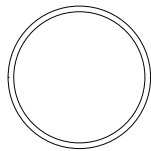
**POLE HEIGHT:**  
10' - 18'

**OPTIONS:**  
GFI - Ground Fault Receptacle  
BA - Banner Arms  
FPH - Flower Pot Holder  
FH - Flag Holder

**GRADE:**  
A36

**FINISH:**  
Available in textured or smooth.

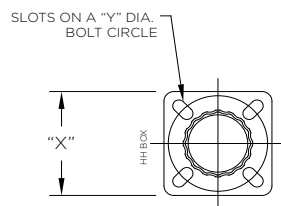
#### CROSS SECTION:



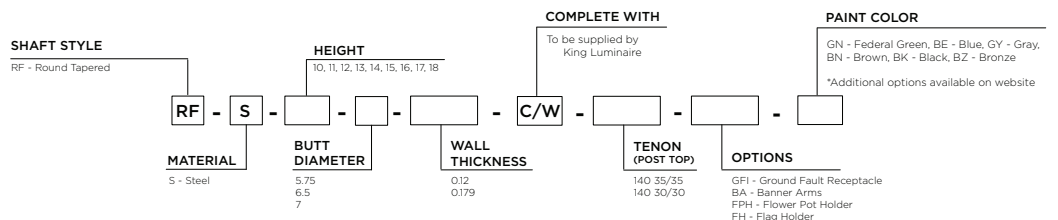
Round Tapered (RF)

### BASEPLATE DETAILS

| Pole               |                     | Baseplate       |                |                    | Bolt Circle  |          | Anchor Bolts             |                 |
|--------------------|---------------------|-----------------|----------------|--------------------|--------------|----------|--------------------------|-----------------|
| Butt Diameter (in) | Wall Thickness (in) | "X" Square (in) | Thickness (in) | Corner Radius (in) | "Y" Dia (in) | +/- (in) | Dia x Length x Hook (in) | Projection (in) |
| 5.75               | 0.12                | 11.25           | 1              | 1.75               | 10           | 1        | 1 x 36 x 5               | 4.25            |
| 5.75               | 0.179               | 11.25           | 1              | 1.75               | 10           | 1        | 1 x 36 x 5               | 4.25            |
| 6.5                | 0.12                | 12.0625         | 1              | 1.75               | 11           | 1        | 1 x 36 x 5               | 4.25            |
| 6.5                | 0.179               | 12.0625         | 1              | 1.75               | 11           | 1        | 1 x 36 x 5               | 4.25            |
| 7                  | 0.12                | 12.0625         | 1              | 1.75               | 11           | 0.75     | 1 x 36 x 5               | 4.25            |
| 7                  | 0.179               | 12.0625         | 1              | 1.75               | 11           | 0.75     | 1 x 36 x 5               | 4.25            |



### HOW TO ORDER



# SHAFT DETAILS

# RF-S PEDESTRIAN METAL POLE

| RF Steel // Pole Details | Nominal Mounting Height (ft) | Catalog Code      | Grade | Butt (in) | Tip (in) | Wall Thickness (in)             | Handhole                       | Wt. (lbs) * |
|--------------------------|------------------------------|-------------------|-------|-----------|----------|---------------------------------|--------------------------------|-------------|
|                          | 10                           | RF-S-10-5.75-0.12 | A36   | 5.75      | 4.35     | 0.12                            | 3" x 5" Reinforced (MIN 9" AG) | 100         |
|                          | RF-S-10-5.75-0.179           | A36               | 5.75  | 4.35      | 0.179    | 3" x 5" Reinforced (MIN 9" AG)  | 130                            |             |
|                          | RF-S-10-6.5-0.12             | A36               | 6.5   | 5.1       | 0.12     | 3" x 5" Reinforced (MIN 14" AG) | 115                            |             |
|                          | RF-S-10-6.5-0.179            | A36               | 6.5   | 5.1       | 0.179    | 3" x 5" Reinforced (MIN 14" AG) | 150                            |             |
| 11                       | RF-S-11-5.75-0.12            | A36               | 5.75  | 4.21      | 0.12     | 3" x 5" Reinforced (MIN 9" AG)  | 105                            |             |
|                          | RF-S-11-5.75-0.179           | A36               | 5.75  | 4.21      | 0.179    | 3" x 5" Reinforced (MIN 9" AG)  | 138                            |             |
|                          | RF-S-11-6.5-0.12             | A36               | 6.5   | 4.96      | 0.12     | 3" x 5" Reinforced (MIN 14" AG) | 121                            |             |
|                          | RF-S-11-6.5-0.179            | A36               | 6.5   | 4.96      | 0.179    | 3" x 5" Reinforced (MIN 14" AG) | 159                            |             |
| 12                       | RF-S-12-5.75-0.12            | A36               | 5.75  | 4.07      | 0.12     | 3" x 5" Reinforced (MIN 9" AG)  | 110                            |             |
|                          | RF-S-12-5.75-0.179           | A36               | 5.75  | 4.07      | 0.179    | 3" x 5" Reinforced (MIN 9" AG)  | 145                            |             |
|                          | RF-S-12-6.5-0.12             | A36               | 6.5   | 4.82      | 0.12     | 3" x 5" Reinforced (MIN 14" AG) | 127                            |             |
|                          | RF-S-12-6.5-0.179            | A36               | 6.5   | 4.82      | 0.179    | 3" x 5" Reinforced (MIN 14" AG) | 168                            |             |
| 13                       | RF-S-13-6.5-0.12             | A36               | 6.5   | 4.68      | 0.12     | 3" x 5" Reinforced (MIN 14" AG) | 133                            |             |
|                          | RF-S-13-6.5-0.179            | A36               | 6.5   | 4.68      | 0.179    | 3" x 5" Reinforced (MIN 14" AG) | 177                            |             |
| 14                       | RF-S-14-6.5-0.12             | A36               | 6.5   | 4.54      | 0.12     | 3" x 5" Reinforced (MIN 14" AG) | 139                            |             |
|                          | RF-S-14-6.5-0.179            | A36               | 6.5   | 4.54      | 0.179    | 3" x 5" Reinforced (MIN 14" AG) | 185                            |             |
|                          | RF-S-14-7-0.12               | A36               | 7     | 5.04      | 0.12     | 3" x 5" Reinforced (MIN 14" AG) | 148                            |             |
|                          | RF-S-14-7-0.179              | A36               | 7     | 5.04      | 0.179    | 3" x 5" Reinforced (MIN 14" AG) | 199                            |             |
| 15                       | RF-S-15-6.5-0.12             | A36               | 6.5   | 4.4       | 0.12     | 3" x 5" Reinforced (MIN 14" AG) | 145                            |             |
|                          | RF-S-15-6.5-0.179            | A36               | 6.5   | 4.4       | 0.179    | 3" x 5" Reinforced (MIN 14" AG) | 193                            |             |
|                          | RF-S-15-7-0.12               | A36               | 7     | 4.9       | 0.12     | 3" x 5" Reinforced (MIN 14" AG) | 154                            |             |
|                          | RF-S-15-7-0.179              | A36               | 7     | 4.9       | 0.179    | 3" x 5" Reinforced (MIN 14" AG) | 208                            |             |
| 16                       | RF-S-16-6.5-0.12             | A36               | 6.5   | 4.26      | 0.12     | 3" x 5" Reinforced (MIN 14" AG) | 150                            |             |
|                          | RF-S-16-6.5-0.179            | A36               | 6.5   | 4.26      | 0.179    | 3" x 5" Reinforced (MIN 14" AG) | 201                            |             |
|                          | RF-S-16-7-0.12               | A36               | 7     | 4.76      | 0.12     | 3" x 5" Reinforced (MIN 14" AG) | 160                            |             |
|                          | RF-S-16-7-0.179              | A36               | 7     | 4.76      | 0.179    | 3" x 5" Reinforced (MIN 14" AG) | 217                            |             |
| 17                       | RF-S-17-6.5-0.12             | A36               | 6.5   | 4.12      | 0.12     | 3" x 5" Reinforced (MIN 14" AG) | 155                            |             |
|                          | RF-S-17-6.5-0.179            | A36               | 6.5   | 4.12      | 0.179    | 3" x 5" Reinforced (MIN 14" AG) | 209                            |             |
|                          | RF-S-17-7-0.12               | A36               | 7     | 4.62      | 0.12     | 3" x 5" Reinforced (MIN 14" AG) | 166                            |             |
|                          | RF-S-17-7-0.179              | A36               | 7     | 4.62      | 0.179    | 3" x 5" Reinforced (MIN 14" AG) | 225                            |             |
| 18                       | RF-S-18-7-0.12               | A36               | 7     | 4.48      | 0.12     | 3" x 5" Reinforced (MIN 14" AG) | 172                            |             |
|                          | RF-S-18-7-0.179              | A36               | 7     | 4.48      | 0.179    | 3" x 5" Reinforced (MIN 14" AG) | 234                            |             |

\* Weight includes the pole shaft and baseplate.

# SHAFT LOADING

| RF Steel // Loading | Nominal Mounting Height (ft) | Catalog Code | Design Information // AASHTO LTS-6, Latest Revision ** |                |                 |                |                 |                |                 |                |                 |                |
|---------------------|------------------------------|--------------|--|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|
|                     |                              |              | 90 MPH   |                | 100 MPH         |                | 110 MPH         |                | 120 MPH         |                | 150 MPH         |                |
|                     |                              |              | Max EPA (sq ft)  | Max Load (lbs) | Max EPA (sq ft) | Max Load (lbs) | Max EPA (sq ft) | Max Load (lbs) | Max EPA (sq ft) | Max Load (lbs) | Max EPA (sq ft) | Max Load (lbs) |
| 10                  | RF-S-10-5.75-0.12            | 34.2         | 500  | 27.5           | 400             | 22.7           | 400             | 19.0           | 300             | 12.0           | 300             |                |
|                     | RF-S-10-5.75-0.179           | 41.2         | 600  | 33.2           | 500             | 27.4           | 400             | 22.9           | 400             | 14.5           | 300             |                |
|                     | RF-S-10-6.5-0.12             | 44.9         | 600  | 36.3           | 500             | 29.8           | 400             | 25.1           | 400             | 15.9           | 300             |                |
|                     | RF-S-10-6.5-0.179            | 57.2         | 700  | 46.4           | 600             | 38.2           | 500             | 32.1           | 500             | 20.4           | 400             |                |
| 11                  | RF-S-11-5.75-0.12            | 30.6         | 500  | 24.6           | 400             | 20.0           | 400             | 16.8           | 300             | 10.6           | 300             |                |
|                     | RF-S-11-5.75-0.179           | 36.8         | 500  | 29.6           | 400             | 24.3           | 400             | 20.3           | 400             | 12.8           | 300             |                |
|                     | RF-S-11-6.5-0.12             | 40.3         | 600  | 32.6           | 500             | 26.8           | 400             | 22.5           | 400             | 14.2           | 300             |                |
|                     | RF-S-11-6.5-0.179            | 50.9         | 700  | 41.2           | 600             | 34.0           | 500             | 28.6           | 400             | 18.1           | 300             |                |

RF-S PEDESTRIAN METAL POLE

RF Steel // Loading

| Nominal Mounting Height (ft) | Catalog Code       | Design Information // AASHTO LTS-6, Latest Revision ** |                |                 |                |                 |                |                 |                |                 |                |
|------------------------------|--------------------|--|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|
|                              |                    | 90 MPH   |                | 100 MPH         |                | 110 MPH         |                | 120 MPH         |                | 150 MPH         |                |
|                              |                    | Max EPA (sq ft)  | Max Load (lbs) | Max EPA (sq ft) | Max Load (lbs) | Max EPA (sq ft) | Max Load (lbs) | Max EPA (sq ft) | Max Load (lbs) | Max EPA (sq ft) | Max Load (lbs) |
| 12                           | RF-S-12-5.75-0.12  | 27.6   | 400            | 22.0            | 400            | 18.0            | 300            | 15.0            | 300            | 9.5             | 200            |
|                              | RF-S-12-5.75-0.179 | 33.1   | 500            | 26.5            | 400            | 21.7            | 400            | 18.2            | 300            | 11.4            | 300            |
|                              | RF-S-12-6.5-0.12   | 36.5   | 500            | 29.5            | 400            | 24.2            | 400            | 20.2            | 400            | 12.8            | 300            |
|                              | RF-S-12-6.5-0.179  | 45.8   | 600            | 37.0            | 500            | 30.4            | 500            | 25.6            | 400            | 16.2            | 300            |
| 13                           | RF-S-13-6.5-0.12   | 33.2   | 500            | 26.7            | 400            | 21.9            | 400            | 18.4            | 300            | 11.5            | 300            |
|                              | RF-S-13-6.5-0.179  | 41.3   | 600            | 33.3            | 500            | 27.6            | 400            | 23.0            | 400            | 14.6            | 300            |
| 14                           | RF-S-14-6.5-0.12   | 30.3   | 500            | 24.3            | 400            | 19.9            | 300            | 16.7            | 300            | 10.4            | 300            |
|                              | RF-S-14-6.5-0.179  | 37.8   | 500            | 30.3            | 500            | 25.0            | 400            | 20.9            | 400            | 13.2            | 300            |
|                              | RF-S-14-7-0.12     | 35.9   | 500            | 29.0            | 400            | 23.8            | 400            | 19.9            | 300            | 12.5            | 300            |
|                              | RF-S-14-7-0.179    | 45.5   | 600            | 36.8            | 500            | 30.2            | 500            | 25.4            | 400            | 16.0            | 300            |
| 15                           | RF-S-15-6.5-0.12   | 27.8   | 400            | 22.2            | 400            | 18.3            | 300            | 15.2            | 300            | 9.5             | 200            |
|                              | RF-S-15-6.5-0.179  | 34.6   | 500            | 27.8            | 400            | 22.8            | 400            | 19.1            | 300            | 11.9            | 300            |
|                              | RF-S-15-7-0.12     | 33.0   | 500            | 26.6            | 400            | 21.8            | 400            | 18.3            | 300            | 11.4            | 300            |
|                              | RF-S-15-7-0.179    | 41.6   | 600            | 33.6            | 500            | 27.7            | 400            | 23.2            | 400            | 14.6            | 300            |
| 16                           | RF-S-16-6.5-0.12   | 25.7   | 400            | 20.4            | 400            | 16.7            | 300            | 13.9            | 300            | 8.7             | 200            |
|                              | RF-S-16-6.5-0.179  | 31.7   | 500            | 25.4            | 400            | 20.8            | 400            | 17.4            | 300            | 10.9            | 300            |
|                              | RF-S-16-7-0.12     | 30.4   | 500            | 24.5            | 400            | 20.0            | 400            | 16.8            | 300            | 10.4            | 300            |
|                              | RF-S-16-7-0.179    | 38.4   | 500            | 30.8            | 500            | 25.4            | 400            | 21.2            | 400            | 13.4            | 300            |
| 17                           | RF-S-17-6.5-0.12   | 23.3   | 400            | 18.6            | 300            | 15.1            | 300            | 12.5            | 300            | 7.8             | 200            |
|                              | RF-S-17-6.5-0.179  | 29.1   | 400            | 23.1            | 400            | 18.9            | 300            | 15.7            | 300            | 9.8             | 200            |
|                              | RF-S-17-7-0.12     | 27.8   | 400            | 22.1            | 400            | 18.3            | 300            | 15.2            | 300            | 9.5             | 200            |
|                              | RF-S-17-7-0.179    | 35.0   | 500            | 28.2            | 400            | 23.1            | 400            | 19.3            | 300            | 12.1            | 300            |
| 18                           | RF-S-18-7-0.12     | 25.5   | 400            | 20.2            | 400            | 16.7            | 300            | 13.8            | 300            | 8.6             | 200            |
|                              | RF-S-18-7-0.179    | 32.0   | 500            | 25.7            | 400            | 21.0            | 400            | 17.6            | 300            | 11.0            | 300            |

\*\* EPA represents the Effective Projected Area of the attachments on the pole. Designs are limited to post top luminaires or attachments located at or below the mounting height. Consult factory for poles supporting attachments located above the mounting height.

BASE COMPATIBILITY

| Pole Butt Size | Split Bases |       |       |       |       |       |       |       |       |
|----------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|
|                | KSB10       | KSB11 | KSB16 | KSB19 | KSB20 | KSB52 | KSB70 | KSB76 | KSB77 |
| 5.75           |             |       |       |       |       |       |       |       |       |
| 6.5            |             |       |       |       |       |       |       |       |       |
| 7              |             |       |       |       |       |       |       |       |       |