



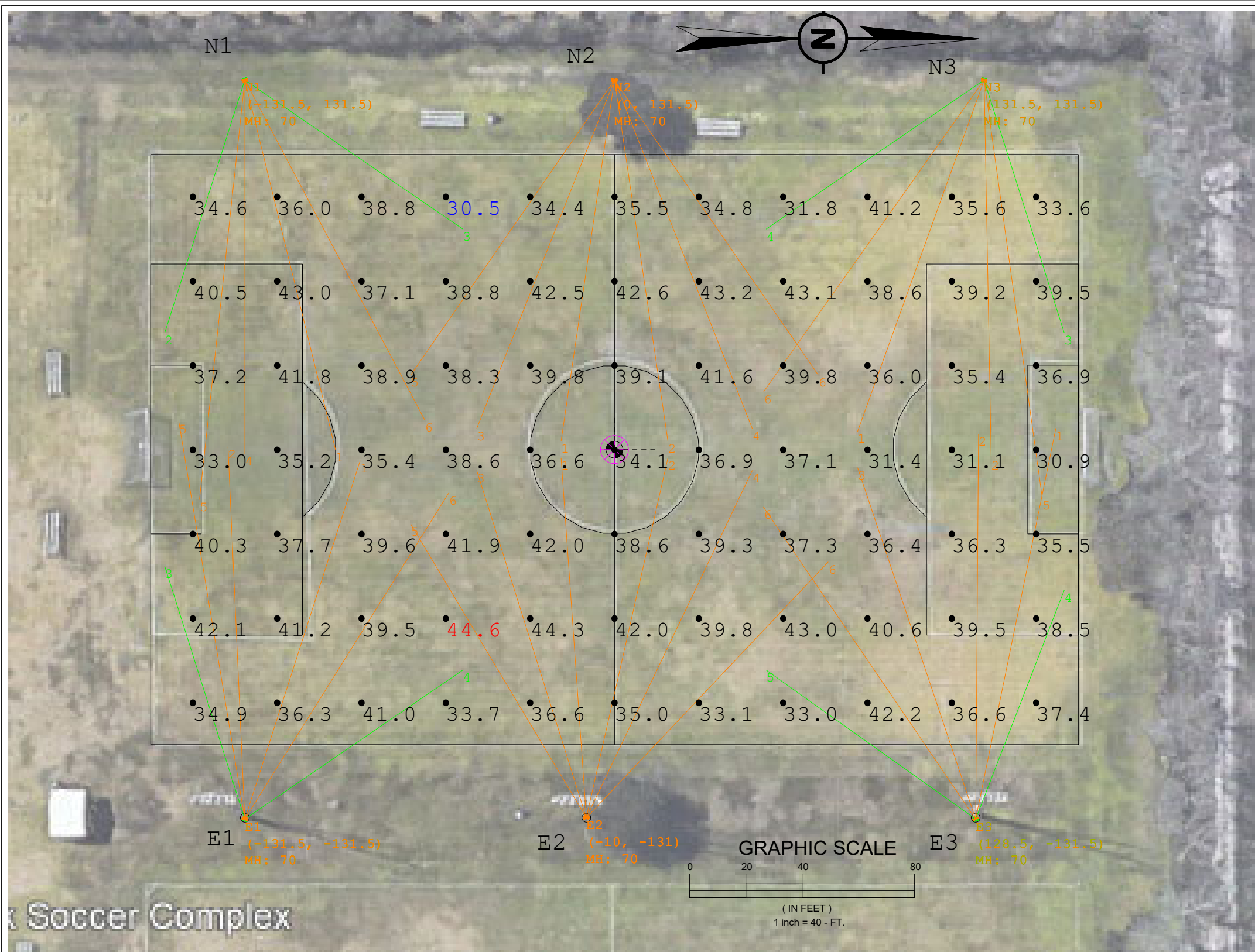
|                                |   |
|--------------------------------|---|
| Purchasing Co-Op / Contract #: | BuyBoard Contract #: 677-22 (Expires 9/30/24)         |
| Project Name:                  | B.G. Peck Soccer Complex                              |
| Project City-State:            | Angleton, TX  |
| Quote Date:                    | 12/19/2023  |
| Type of Field(s):              | <b>**OPTION #1** - SINGLE SOCCER FIELD #3</b>         |
| Photometrics Per Design #:     | 38FC Avg. Light Level / Design #23-9239-SC            |
| Warranty:                      | Includes Our 10 Year Maintenance <u>FREE</u> Warranty |

| Quantity | Description  |
|----------|--|
| 3        | 70 Foot Mounting Height Steel Poles (H)  |
| 3        | 6 Fixture Crossarms  |
| 3        | 6 Fixture Crossarms (Retrofit)   |
| 36       | TSL800W LED w/ Standard Visor  |
| 36       | TSL800W 20" Extended Visor   |
| 1        | Synapse Wireless Control Hub w/ 10 Years BASIC Remote Access (Cellular Connection provided by Synapse) |
| 36       | Prewiring for Poles and Crossarms (Dimming Controls - Synapse Controls)                                |

|  |
|--|
| <p><b>Project Notes:</b></p> <ul style="list-style-type: none"> <li>➤ Price includes all materials listed above (excluding adders &amp; deducts).</li> <li>➤ Price includes delivery to jobsite.</li> <li>➤ Price firm for 30 days.</li> <li>➤ Allow 4-6 weeks for delivery.</li> <li>➤ Price does <b>NOT</b> include SALES or USE taxes.</li> <li>➤ All work to be performed that requires a license, including but not limited to electrical &amp; plumbing will be performed by individuals currently licensed in the proper jurisdiction.</li> </ul> |
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| <p><b>Warranty Notes:</b></p> <ul style="list-style-type: none"> <li>➤ Seller warrants that Equipment furnished or manufactured by Seller will be free from defects in material and workmanship for a period - of <b>10 years</b> from date of shipment.</li> <li>➤ Seller will replace any defective material for the entire <b>10 year</b> period.</li> <li>➤ Techline will make every effort to maintain any component of our sports lighting system for the entirety of the warranty period.</li> </ul> |
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| <p><b>TURNKEY Installation Notes:</b></p> <ul style="list-style-type: none"> <li>➤ Allow 2-3 weeks for Turnkey Installation.</li> <li>➤ Pole locations must also be accessible with standard lift and not obstructed by fencing, buildings, etc. (<i>special lift &amp; matting charges not included</i>)</li> <li>➤ Standard turnkey install foundations assume 2000psi soil conditions. There was not a Geotech Report provided to Techline prior to this Proposal. Therefore this Proposal includes our "Standard" pole foundations for 70' poles (36" diameter x 11' deep).</li> <li>➤ (Any other conditions that may be present upon installation (i.e. rock, water, etc.) that cause additional foundation design or modification - (i.e. rebar, casing, etc.) may require additional charges.)</li> </ul> <p><b>INCLUDES:</b></p> <ul style="list-style-type: none"> <li>✓ Auguring pole foundation holes, setting all pole stubs in holes, center/plumb/brace and backfill with 3000psi concrete</li> <li>Build out pole tops including mounting cross arm assemblies, mount &amp; wire all fixtures in place, crane rental to set all pole tops in place on the new poles. Mount new clamp-on retrofit cross arms onto the backside of (3) existing poles with (6) new LED fixtures on each arm, complete wiring into existing pole circuits at bottom of poles.</li> <li>✓ Install new underground conduit and wiring to each of the (3) new poles sized accordingly. No more than 3% voltage drop shall be allowed.</li> <li>✓ Complete Final Fixture aiming and make adjustments (if needed), Final Light Test on Field, commissioning of Controls, on-site control training, and final clean up.</li> <li>✓ All wiring to be copper type THHN.</li> <li>✓ This Proposal based on using the existing 480V 3Ø service at the north end of the complex.</li> <li>✓ All permits, fees and inspections associated with the project.</li> <li>✓ All electrical installation to meet National Electric Code requirements.</li> </ul> <p><b>EXCLUDES:</b></p> <ul style="list-style-type: none"> <li>✗ Bid Bond, Payment &amp; Performance Bond</li> <li>✗ Electrical Engineering or Stamped Electrical Drawings</li> </ul> <p>Total Including Turnkey Install = <b>\$172,000.00</b></p> |
|---|



Scale: 1 inch= 40 Ft.

\*\*\* DISCLAIMER \*\*\*

DESIGN BASED OFF OF LATEST SATELLITE IMAGES AVAILABLE AT THE TIME OF DESIGN. ALL MESAUREMENTS/POLE LOCATIONS NEED TO BE FIELD VERIFIED FOR ACCURACY AND APPROVED BEFORE PRODUCTION CAN BEGIN."

**Luminaire Schedule**

| Symbol | Qty | Label       | LLF   | Lum. Watts | Arrangement |
|--------|-----|-------------|-------|------------|-------------|
|        | 8   | TSLW-EV-NLV | 0.950 | 800        | Single      |
|        | 28  | TSLM-EV-NLV | 0.950 | 800        | Single      |

**Calculation Summary**

| Label     | Area Size   | Units | Avg   | Max  | Min  | Max/Min | # Pts | PtSpLr | PtSpTb | CV   | UG   |
|-----------|-------------|-------|-------|------|------|---------|-------|--------|--------|------|------|
| SOCCER #3 | 330' x 210' | Fc    | 37.92 | 44.6 | 30.5 | 1.46    | 77    | 30     | 30     | 0.09 | 1.36 |

**Pole Wattage Summary**

| Label | Total Watts |
|-------|-------------|
| E1    | 4800        |
| E2    | 4800        |
| E3    | 4800        |
| N1    | 4800        |
| N2    | 4800        |
| N3    | 4800        |
| TOTAL | 28800       |

**Pole Summary**

| Poles | Location       | # Lums | MH  |
|-------|----------------|--------|-----|
| E1    | -131.5, -131.5 | 6      | 70' |
| E2    | -10, -131      | 6      | 70' |
| E3    | 128.5, -131.5  | 6      | 70' |
| N1    | -131.5, 131.5  | 6      | 70' |
| N2    | 0, 131.5       | 6      | 70' |
| N3    | 131.5, 131.5   | 6      | 70' |

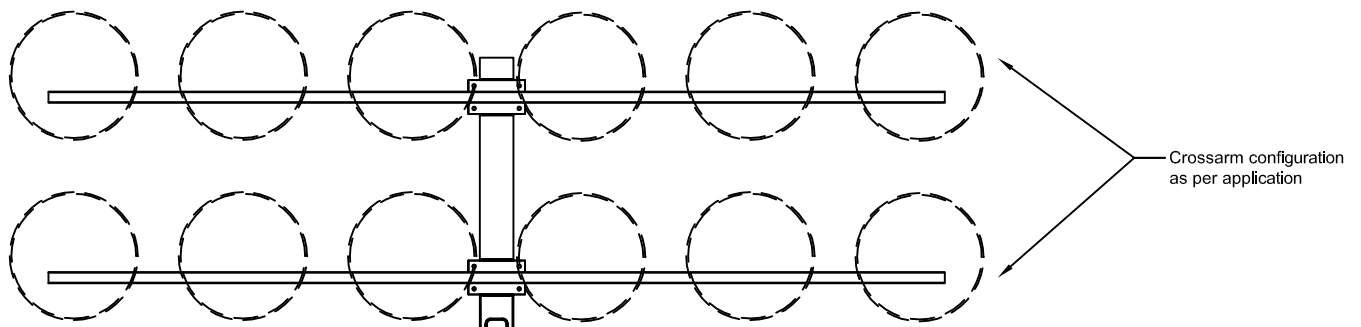


www.sportlighting.com

**B.G. Peck Soccer Complex**  
Angleton, TX  
**SOCCER - 35 FC**  
**23-9239-SC-AGI**

1. THIS LIGHTING DESIGN IS BASED ON INFORMATION SUPPLIED BY OTHERS. SITE DETAILS PROVIDED HEREON ARE REPRODUCED ONLY AS A REFERENCE AND FIELD CONDITIONS MAY SIGNIFICANTLY AFFECT PREDICTED PERFORMANCE. PRIOR TO INSTALLATION, OBTAIN ALL NECESSARY PERMITS, REGULATIONS, ORDINANCES, AND LOCAL, STATE AND FEDERAL REQUIREMENTS. VERIFY ALL DIMENSIONS, ELEVATIONS, AND UTILITIES. THE CONTRACTOR AND/OR SPECIFIER IS RESPONSIBLE FOR THE PROJECT. 2. LUMINAIRE DATA IS TESTED TO INDICATE STANDARD UNDER LABORATORY CONDITIONS. OPERATING VOLTAGE AND NOMINAL MANUFACTURING TOLERANCES OF ANSI, IESNA, AND ILLUMINANCE MAY AFFECT FIELD RESULTS. 3. COMPLIANCE TO FACILITY CODE AND OTHER LOCAL REQUIREMENTS IS THE RESPONSIBILITY OF THE OWNER AND/OR THE OWNER'S REPRESENTATIVE.

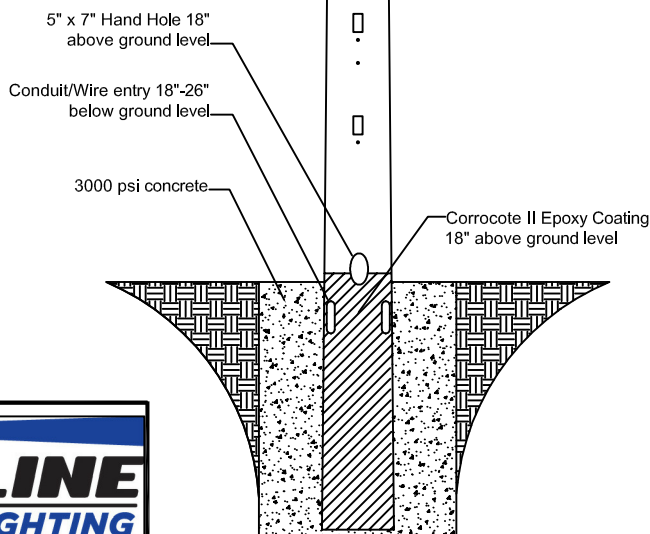
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Page 1 of 1  
23-9239-SC-AGI



**Qty - 3**

| <b>TSL75MA</b>         |                      |
|------------------------|----------------------|
| <b>Mounting Height</b> | <b>70' *</b>         |
| <b>Overall Length</b>  | <b>81'</b>           |
| <b>Length A.G.L.</b>   | <b>70' *</b>         |
| <b>Burial Depth</b>    | <b>11'</b>           |
| <b>Tip Diameter</b>    | <b>5.78"</b>         |
| <b>Butt Diameter</b>   | <b>17.76"</b>        |
| <b>Pole Shape</b>      | <b>Round Tapered</b> |

\* dimension to bottom row of crossarm



\*\* Hot-Dipped galvanized after fabrication to ASTM A123 specifications

\*\* NOT TO SCALE

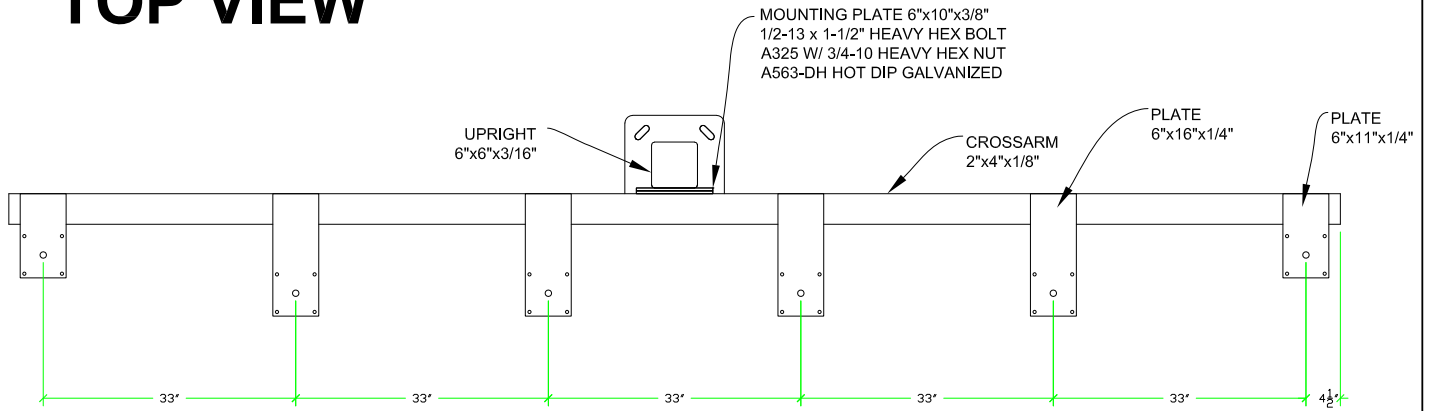


15303 STORM DR.  
AUSTIN, TX 78734  
PHONE: (512) 977-8880  
TOLL FREE: (800) 500-3161  
FAX: (512) 977-8882

|                               |                 |             |
|-------------------------------|-----------------|-------------|
| DATE:<br>5-19-15              | REV.:<br>X      | CHECKED BY: |
| DRAWING NUMBER:<br>TSL 70-FIX | DRAWN BY:<br>WW |             |

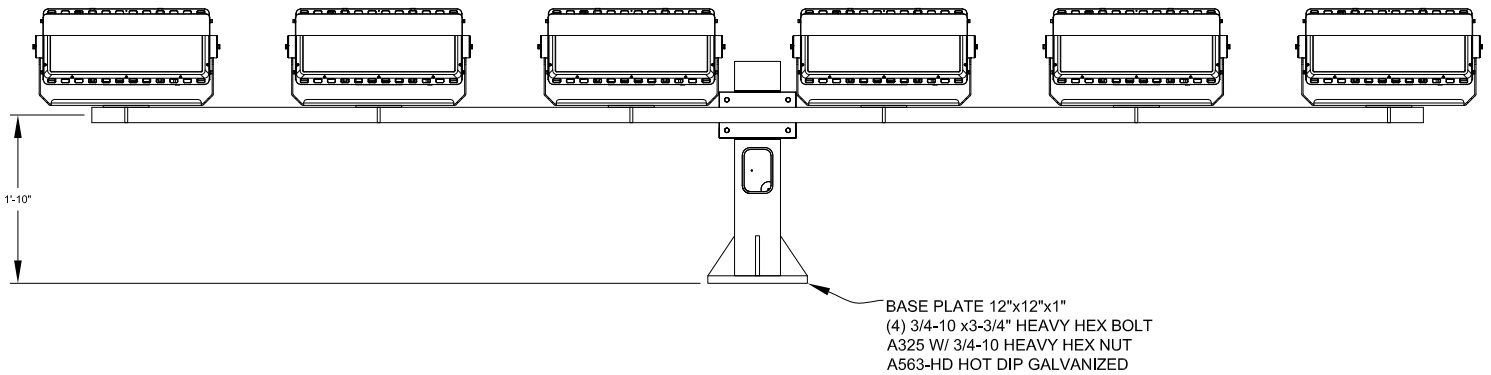
CONCRETE ENCASED  
GALVANIZED STEEL POLE

# TOP VIEW



# FRONT VIEW

**Qty - 3 mounted  
on new poles**



\*\* NOT TO SCALE

\*\* Hot-Dip galvanized after fabrication to ASTM A123 specifications

\*\* Assembly Weight: 429 lbs  
Assembly EPA: 17.14 sq. ft.  
(Including Fixtures)

15303 STORM DR.  
AUSTIN, TX 78734  
PHONE: (512)977-8880  
TOLL FREE: (800)500-3161  
FAX: (512)977-8882

DATE:  
1/1/23

REV.: CHECKED BY:

DRAWING NUMBER:  
TDA 6 (800W)

DRAWN BY:  
WW

**6 FIXTURE CROSSARM  
ASSEMBLY**

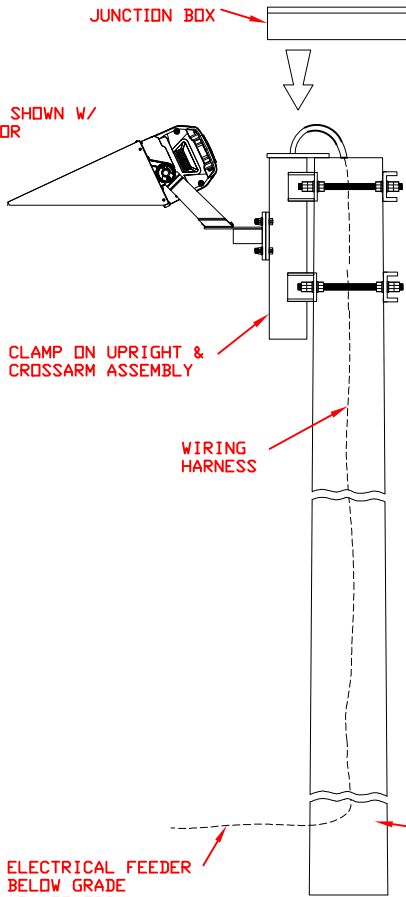
STRAIN RELIEF PLATE  
(ADJUSTMENTS MAY BE REQ'D. FOR HOLE COVERAGE  
AND ALIGNMENT OF WIREWAY OPENINGS)

ATTACH WIRING HARNESS  
STRAIN RELIEF HERE

JUNCTION BOX IS  
SECURED TO CROSSARM  
ASSEMBLY WITH (4) 3/8"  
DIAMETER BOLTS

**Qty - 3, (6) fixture arms  
mounted on exist. poles.**

STANDARD CLIR FIXTURE SHOWN W/  
OPTIONAL EXTENDED VISOR



KEEP THIS DISTANCE  
TO A MINIMUM

CROSSARM CHANNEL  
(QTY 1 PER LOC/2 PER CROSSARM)

16" X 3/4" DIAMETER THREADED ROD  
(QTY 1 PER LOC/4 PER CROSSARM)

LOCK WASHERS  
(QTY 2 PER LOC/16 PER CROSSARM)

3/8" NUTS  
(QTY 3 PER LOC/24 PER CROSSARM.  
JAM NUTS ARE INSTALLED IN ALL 8  
LOCATIONS ON THE CROSSARM)

CROSSARM ASSEMBLY

\*\* ALL 3/8" NUTS OUTSIDE OF THE CROSSARM CHANNELS ARE TO BE TIGHTENED TO 125 FT. LBS.

ELECTRICAL FEEDER  
BELOW GRADE  
(BY OTHERS)

EXISTING POLE



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2. LUMINAIRE DATA IS TESTED TO INDUSTRY STANDARDS UNDER LABORATORY CONDITIONS. OPERATING VOLTAGE AND NORMAL MANUFACTURING TOLERANCES OF LAMP, BALLAST, AND LUMINAIRE MAY AFFECT FIELD RESULTS.  
3. CONFORMANCE TO FACILITY CODE AND OTHER LOCAL REQUIREMENTS IS THE RESPONSIBILITY OF THE OWNER AND/OR THE OWNER'S REPRESENTATIVE.

| REVISIONS | DESCRIPTION |
|-----------|-------------|
| △         | DESCRIPTION |
| △         | DESCRIPTION |
| △         | DESCRIPTION |
| △         | DESCRIPTION |

Universal Retrofit X-arm Assembly  
(Clamp on)

|                                  |                     |
|----------------------------------|---------------------|
| DATE:<br>4-13-2021               | DRAWN BY:<br>WRW    |
| PROJECT:<br>NTS                  | APPROVED BY:<br>XXX |
| DRAWING NUMBER:<br>TSL-RET-CLAMP |                     |



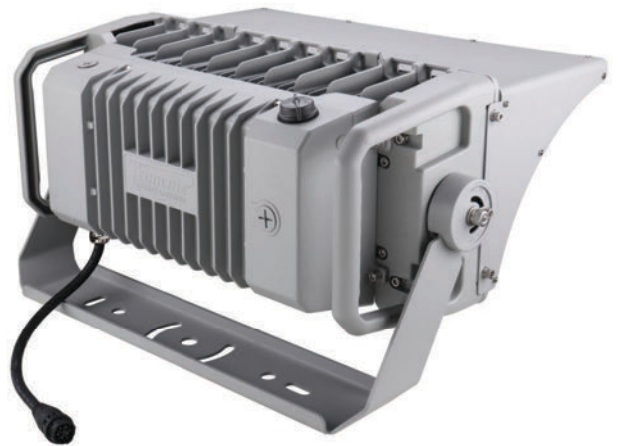
800 WATT

FIXTURE

Qty - 36



Standard Visor



Extended Visor (optional)



## 800 WATT

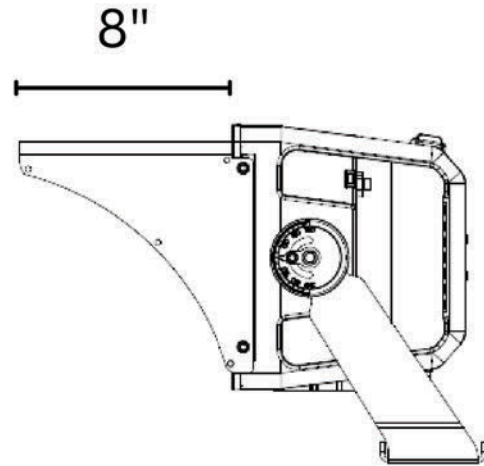
## TECHNICAL DATA

|                      |                         |
|----------------------|-------------------------|
| SYSTEM WATTS         | 800w                    |
| LUMEN OUTPUT         | 120,000                 |
| EFFICACY             | 150 LM/W                |
| EPA                  | 1.9                     |
| WEIGHT               | 45 lbs                  |
| BEAM ANGLE           | N, M, W, EW             |
| POWER FACTOR         | 0.99                    |
| CCT                  | 5700K                   |
| CRI                  | >70Ra                   |
| INPUT VOLTAGE        | 200-480v                |
| INPUT PROTECTION     | 10KV Current Surge      |
| DRIVER               | Integral, Remote        |
| IP RATING            | IP65                    |
| OPERATING TEMP RANGE | -40° C to +45°C         |
| HOUSING MATERIAL     | Alumimum, Powder Coated |

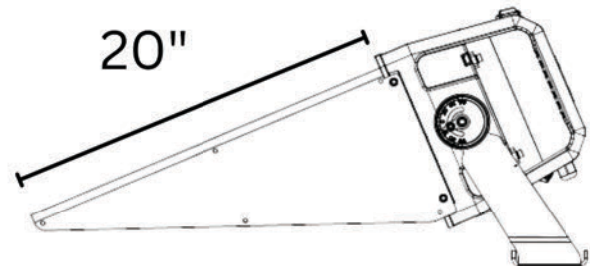
800 WATT

VISOR OPTIONS

Standard Visor



Extended Visor (optional)



Fixture Aimed at 23° Below  
Horizontal