



Bloomfield Hills Schools  
North Hills - Stadium Lighting

Monday, July 29, 2024

**Scope of Work**

Voss shall remove (68) HID fixtures and install (68) new LED fixtures with remote drivers. Our pricing includes one time fixture aiming (Customer written acceptance required) and disposal of all removed items.

**Installation Considerations**

Our proposal is based on a normal 8-hour per day, 40-hour per week work schedule. Voss Lighting has included no provisions for shift work or overtime. This proposal does not include an engineering review or any and all upgrades to existing electrical installation(s).

Our pricing is based on our participation in Omnia/NCPA contract #02-83.

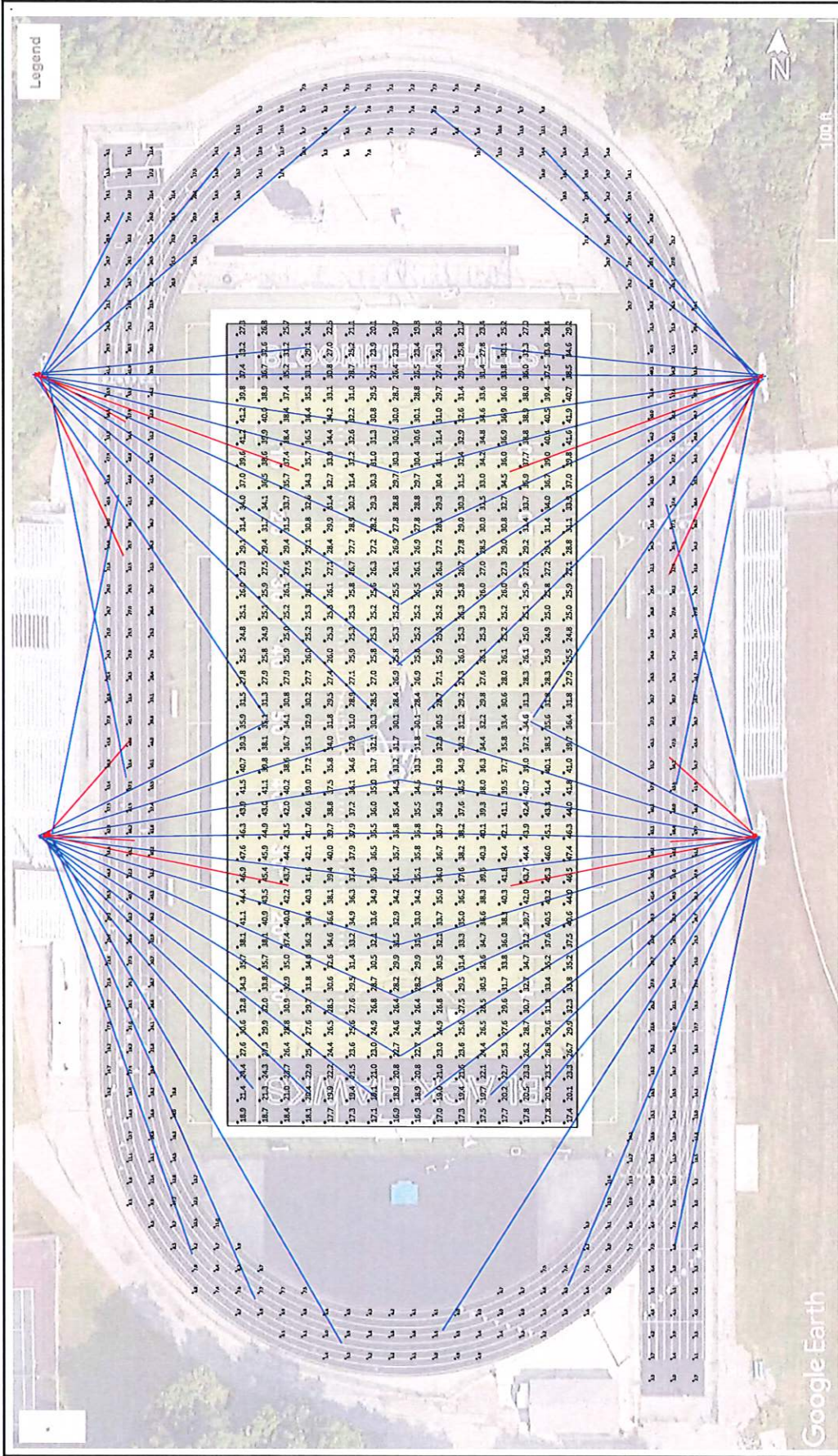
**Project Financials**

Project Value	\$ 206,360.00
Less Estimated Rebates	\$ 12,852.00
<b>Net Project Value</b>	<b>\$ 193,508.00</b>

**How to get started**

<b>Total Project Value</b>	<b>\$ 206,360.00</b>
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NOTE: If Project Quotation is approved by Customer, Voss Lighting will then provide a contract for Customer signature. Upon your signature on this contract, product will be ordered and installation scheduled. NOTE: This Voss quote, or its contents in their entirety, must be included as an integral part of a subsequent prime contract, purchase order, work directive, or other legal prime directive.  
PROJECT CANCELLATIONS: Should project be delayed or cancelled, may be liable for any additional product cancellation fees, restocking charges, or price increases. Should the project be delayed beyond 30 days from original quotation date, the executed Voss Lighting contract will become void, our pricing will be reviewed for any necessary adjustments related to material and expense costs, labor costs, and other related costs that may be affected, and a new contract presented for Customer signature.  
PROJECT PRICE INCREASES: This quotation is based upon current product pricing and installation related costs. Quotation is guaranteed for 30 days from quotation date. After 30 days, our pricing will be reviewed for any necessary adjustments related to material and expense costs, labor costs, and other related costs that may be affected by an extended approval period.  
PROJECT WORK HOURS: Unless noted otherwise above, our quotation is based on onsite installation taking place on a normal 8-hour per day, 40-hour per week work schedule. Voss Lighting has included no provisions for shift work or overtime.  
PRICE: The quoted price includes all applicable taxes but no other fees that may be associated with this project.  
PRODUCT NON-STOCK ITEMS: Some products that we offer are not stock items in our warehouse and are ordered as needed. Such items are 'special order' and have extended lead times and are non-returnable.  
PRODUCT DELIVERY AND INSTALLATION DATES: Upon execution of the Voss Lighting contract, we will aggressively process and expedite your project. At that time, product delivery and onsite installation dates will be verified. Voss Lighting cannot accept responsibility for product production delays, delivery issues, and incimate weather that are beyond our control.  
TECL 30854: Regulated by the Texas Department of Licensing and Regulation. PO Box 12157, Austin, Texas 78711. 1-800-803-9292, 512-463-6699.  
Website: www.license.state.tx.us/complaints  
OK 0016441  
Concerning costs for goods and services that are part of the pricing quoted herein, in the event of unforeseen direct or indirect price escalation and increases due to general increases, trade tariffs, inflationary factors, increases in precious metals and other commodity items, and the like, all quoted pricing is subject to review and adjustment at the time of order being placed.  
Voss pricing is based the assumed voltage at each fixture location being as stated in our proposal and all existing electrical installation is compliant with National Electrical Code and local Jurisdiction Code requirements. If actual conditions are found to be different and/or non-compliant after proposal is submitted, Voss reserves the right to evaluate our pricing for cost impact(s) and associated price revision. Because rebate rates vary between utility companies, Voss Lighting cannot fully guarantee that every energy-saving measure included in this proposal will qualify for a rebate. This will be confirmed upon the commencing of project and/or post project utility audit. The estimated rebate amount stated in review of project by Voss and/or information/counts shared with Voss by this proposal are a good-faith estimate based on Customer. Voss shall notify the Customer in writing of such differentials and will submit necessary documentation, showing the difference between the estimated and actual rebate amounts, required for contract adjustment. Voss has not included the cost of performance, payment and maintenance bonds. However, we will furnish these bonds, if desired, for an additional cost.



All luminaires mounted @ 80 ft above finish grade. Calc Grid 10 vt x 10 ft @ 3 ft above finish grade.

<p><b>North Hills Middle School</b>  <b>Proposed LED Sports Lighting</b>  <b>Rev_A - Added Track Luminaires</b>  <b>Updated 08-19-2024</b></p>		<p><b>VOSS</b>          LIGHTING • DESIGN • SERVICES</p>
<p><b>Disclaimer:</b>          This photometric study, as an instrument of service, is provided by, and is the property of, Voss Lighting. All dimensions and luminaire locations represent recommended positions based upon project specifications provided to Voss Lighting. The project engineer and/or architect must determine applicability of the layout to existing field conditions. The calculations contained herein represent illumination levels taken from a laboratory setting under controlled conditions. In accordance with the IESNA approved methods, actual or measured values may differ from forecasted results due to variations in electrical voltage, tolerance levels, obstructions, other light sources, and other variables that were not considered when this report was generated. It is the sole responsibility of the architect, owner, or owner's representative to ensure compliance with any applicable design standards and codes in effect.</p>		<p><b>Drawn By:</b>          Jerry M Gaines, LC, CLCP</p> <p><b>Date:</b>          8/19/2024</p> <p><b>Scale</b></p>
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Luminaire Schedule								
Symbol	Qty	Label	Arrangement	Lum. Lumens	LLF	Description	Lum. Watts	Total Watts
○	12	S4	Single	106482	0.900	750W 120-480V 5000K 4X4	754.9	9058.8
➔	56	S3	Single	109685	0.900	750W 120-480V 5000K 3X3	775.5	43428

Calculation Summary								
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	CV
Calc_Pts_Track_@_3_ft	Illuminance	Fc	23.5	68.4	2.7	8.7	25.3	N.A.
Field_of_Play	Illuminance	Fc	31.3	47.6	16.9	1.9	2.8	0.2

All values shown are horizontal footcandelas (Fc) at 3 ft above finish grade.  
 Values do not represent obstruction from equipment, structures, or other objects.  
 Values do not represent contribution from daylight penetration, or other light sources.

Pole Modification Disclaimer:  
 Any modifications made to an existing pole, including, but not limited to, retrofitting the existing luminaire, reducing or increasing the total number of luminaires, and the addition of accessories such as bullhorns, adapter arms, mounting brackets, etc., may significantly affect the designed performance of the existing pole. Verification of the pole manufacturer's designed characteristics and limitations is not the responsibility of Voss Lighting.

**North Hills Middle School**  
**Proposed LED Sports Lighting**  
**Rev\_A - Added Track Luminaires**  
**Updated 08-19-2024**

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**Drawn By:**  
 Jerry M Gaines, LC, CLCP

**Date:**  
 8/19/2024

**Scale**





# XFIT

## KT-SLFLED750HV-M1-XX-YM-750-VDIM

### SPORTS LIGHT FLOOD

#### DESCRIPTION

750W Sports Light Flood | 5000K | Multiple Beam Angle  
Options | 208–480V Input | Gray Housing

#### APPLICATION

High power, wide flood, pole mount illumination needs  
(municipal parks and baseball fields, high school football stadiums, driving ranges, rodeos, ski resorts, etc.)



**10 YEAR**  
LIMITED WARRANTY



#### PRODUCT FEATURES

- Heavy duty die cast aluminum housing in gray finish offers a durable and modern aesthetic while carrying inspiration from existing legacy fixture solutions. Optimized for HID replacement needs
- Precision crafted optics that ensure uniform, proper lighting. Available in multiple beam angle options (30° standard, 20°, 40°, 60°, and 80° optional)
- Glare shield included in packaging. Easy install for use as required by site demands
- Comes with shorting cap and integrated NEMA/ANSI C136.41 7 pin twist lock receptacle
- Designed for install as a single assembly or with remote driver box. Allows for on site flexibility and lower EPA ratings
- Pre installed yoke mount bracket. Slipfitter and knuckle mounts optional (sold separately)
- Fixture mountable laser accessory available for fixture aiming, KT-SLFLED-LASER-G (sold separately)
- Ambient operating temperature: –40°C/–40°F to 50°C/122°F
- Powered by Keystone 0–10V dimming LED driver
- UL Certified for wet locations; IP65 rated
- Power factor: > 0.95
- THD: < 20%
- LED chip lifetime: L70 > 100,000 hrs @ 25°C/77°F ambient fixture temperature
- Meets FCC Part 15, Part B, Class A standards for conducted and radiated emissions

#### DIMENSIONS AND WEIGHTS

Carton Dimensions	23.82"L x 24.61"W x 23.03"H
Carton Weight	5710 lbs
Total Fixture Weight	51.81 lbs
Fixture Head Weight	37.21 lbs
Fixture Driver Box Weight	14.59 lbs

#### PRODUCT SPECIFICATIONS

Catalog Number	Wattage	CCT	Lumens	Efficacy	Input Voltage	Dimming	Beam Angle	CRI	DLC	Legacy Equivalent
KT-SLFLED750HV-M1-20-YM-750-VDIM							20°			
KT-SLFLED750HV-M1-30-YM-750-VDIM							30°			
KT-SLFLED750HV-M1-40-YM-750-VDIM	750W	5000K	105,000	140 lm/W	208–480V	0–10V	40°	> 70	Y	2,000W MH
KT-SLFLED750HV-M1-60-YM-750-VDIM							60°			
KT-SLFLED750HV-M1-80-YM-750-VDIM							80°			

Note: Fixtures with 20°, 40°, 60°, and 80° beam angles are available and assembled to order. Lead times may apply.