New Castle, Pa 16105

724 658-8186 Phone 724 658-2635 Fax

\$33,678.00

July 16, 2015

Hallgren, Restifo, Loop, and Coughlin Attn: Chris Coughlin 4380 West 12th Street Erie, PA 16505

Re:

Sheffield Elementary School

Dear Mr. Coughlin:

Listed below is a cost to change the lighting in the gym from 400 watt metal halide high bay to a 200 watt LED high bay.

COST

| 40 LED High bays | \$24,760.00 |
|---|-------------|
| Blackhawk Neff OH & P 5% | 1,238.00 |
| Material 12 x 40 | 480.00 |
| Lift 26' | 1,200.00 |
| Labor 2 men, 1 week. 80 hrs. @ \$75/hr. | 6,000.00 |
| TOTAL | \$33,678.00 |

Note: Blackhawk Neff will do this on a time and material basis not to exceed the above price.

Sincerely,

Robert W. Neff RCDD/NTS/OSP/WD

C.E.O.



Architectural Lighting Sales, Inc.

2598 Washington Road Canonsburg, PA 15317

Phone: (724) 916-2200 Fax: (724) 916-2214

To: **Bob Neff** Blackhawk Neff - New Castle 805 Northgate Circle New Castle, PA 16105

Job/Project Name:

SHEFFIELD SCHOOL GYMNASIUM LED RETROFIT

Bid Date: 7/15/2015

| Qty | Туре | Mfg | Description | Price | |
|-----|-----------------|------|--------------------------------------|-------------|--|
| | - - | | - LED FIXTURES QUOTED | | |
| | | | - FREIGHT ALLOWED SINGLE RELEASE | | |
| | | | - SUBJECT TO APPROVAL | | |
| | | | | | |
| | | | - NO WRITTEN SPECS RECEIVED | | |
| | | | - ANY CHANGES REQUIRES A REQUOTE | | |
| | | | - APPLICABLE TAXES MAY APPLY | | |
| 40 | НВ | LIGS | HBXA-200-5000K-120-120/277-AL / WGHB | | |
| | | | TOTAL: | \$24,760.00 | |

MFG Code F.O.B **TERMS** Lead Time

Prices firm for entry by: 45 Days

Shipment by: Per MFG

- 1) IT IS THE RESPONSIBILITY OF THE DISTRIBUTOR AND ELECTRICAL CONTRACTOR TO VERIFY ALL VOLTAGES AND FINISHES BEFORE ORDERS ARE PLACED.
- 2) Subject to manufacturer's published terms and conditions of sale.
- 3) Quotation is void if changed.
- Complete quote must be used.
- 5) All Recessed fixtures quoted as STD "Grid" Style, unless otherwise noted. Drywall kits and flanged fixtures available at add'l cost
- 6) Choice of STD Factory Colors
- 7) No minority participation included
- 8) Quote Includes STD factory warranties only. Any "Special" warranty by others.
- 9) Pre-Shipment of Anchor Bolts is plus freight
- 10)Lamps are not included unless otherwise specified
- 11) Fuses, Hanging Hardware, and other accessories are not included unless noted
- 12) Standard Factory Freight Terms Apply
- 13) Delinquent factory invoices are subject to incurred freight charges
- 14) Liquidated damages are NOT the responsibility of ALS or MFG's
- 15)Lamp/Ballast compatibility to verified by others
- 16)All items subject to approval & based on quantities listed
- 17) Lamp Color to be verified by Distributor Prior to ordering

Printed: 07/15/15 16:09:03 Per: John Boland Email:



LED





EXPECTED LIFE OVER 100,000 HRS.



REVIT & IES FILES AVAILABLE AT WWW. SPECGRADELED.COM



RATED IP 65

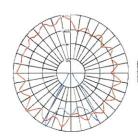


ALUMINUM HEAT SINK FOR EXTENDED LED LIFE

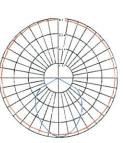
ACRYLIC
DIFFUSOR
LENS
PERFECT
FOR LARGE
INDOOR
APPLICATIONS

EASY ACCESS
DRIVER HOUSING

PHOTOMETRICS



HBXSL-H (AGRYLIG) 120° BEAM



HBVSL 120° BEAM

HBX & HBXA HIGH BAY

REPLACES UP TO A 500-WATT METAL HALIDE FIXTURE

SPECIFICATIONS

Expected life: over 100,000 hrs.

Rating: IP 65

Color Rendering Index (CRI): >80 Operating temp: -4°F-131°F

Power factor: >0.95%

Input line voltage: 120-277 VAC Input line frequency: 50/60 Hz

LED efficiency:

- warm white, 83 lm/w

- natural white, 88 lm/w

- cool white, 93 lm/w

MISC SPECS

LED chips: Samsung

Driver: UL approved Meanwell

Dimmable: 0-10V

Occupancy sensor: optional Hanging weight: 18 lbs.

MATERIALS

Heat sink housing: Anodized aluminum

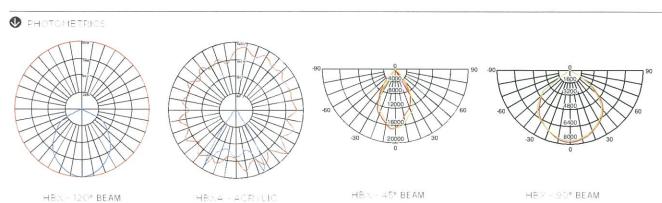
Reflector: Aluminum Lens: Acrylic

LED Shield: Lexan

Finish: Powder coating (optional)















COLOR TEMPERATURES/DELIVERED LUMENS

PRODUCT SPECIFICATIONS

| SERIES | WATTS | SYSTEM POWER [w] | WW 3500K | NW 4100K | CW 5000K | BEAM | INPUT VOLT. | FINISH | | OPTIONS/ACCESSORIES | |
|---------------------------|--------------|----------------------|----------------------|----------------------|----------------------|--|---------------------------|-----------|---|----------------------------|---|
| HBXA (ACRYLIC LENS) | 150W 200W | 165W 2 20W | 11710 lm 16739 lm | 12327 lm 17611 lm | 12976 lm 18538 lm | 60° 120° 360° (ACRYLIC LENS) | 120-277V 480V (OPT) | AL RAL | ALUMINIUM CUSTOM FINISH W/ RAL. # (OPT) | OS CM WR AD WG | CABLE MOUNT 120° REFLECTOR ACRYLIC DIFFUSER |

 $\mathbf{W}\mathbf{W}$ = warm white $\mathbf{N}\mathbf{W}$ = natural white $\mathbf{C}\mathbf{W}$ = cool white

REVIT & IES FILES are located at www.SpecGradeLED.com

PRODUCT CERTIFICATIONS, WARRANTIES & APPROVALS



















