

## 2022 LHS Projector Bids

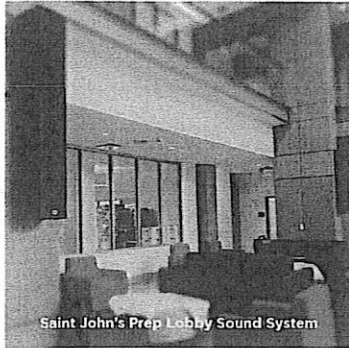
| <b>Date/Time Received</b>    | <b>Company</b>                      | <b>Point of Contact</b> | <b>Phone Number</b> |
|------------------------------|-------------------------------------|-------------------------|---------------------|
| 2/11/2022 10:15 am           | Pro AV Systems                      | Adrienne Blasioli       | 978-692-5111        |
| 2/11/2022 9:00 am<br>Dropbox | One Touch Systems                   | None listed             | None Listed         |
| 2/11/2022 11:00 am           | RnB Enterprises                     | Robert Serio            | 203-426-3679        |
| 2/10/2022 3:30 pm            | Environmental System<br>Corporation | Bruce Politz            | 860-953-8800        |



# Pro AV Systems

NEW ENGLAND'S LEADING AUDIO VISUAL INTEGRATOR

## ORIGINAL



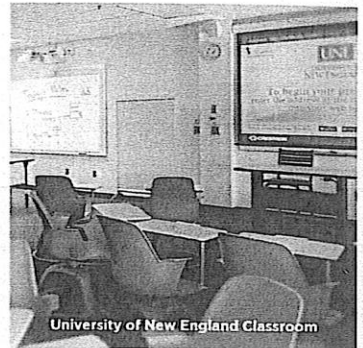
Saint John's Prep Lobby Sound System



Melrose Public Schools TV Studio



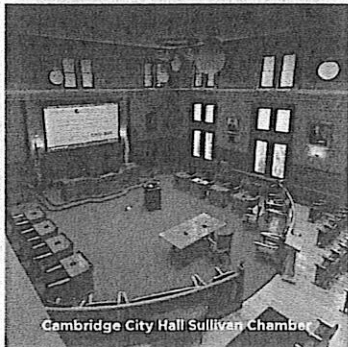
Fitchburg State University Conference Room



University of New England Classroom



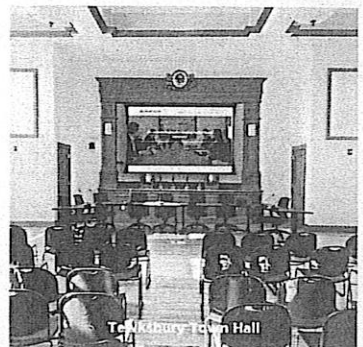
Boston Children's Hospital Digital Signage



Cambridge City Hall Sullivan Chamber



Berry Talbot Conference Room



Franklinbury Town Hall

## Proposal for Audio Visual Services at Ledyard Public Schools

CONTACT INFO:

Adrienne Blasioli

Pro AV Systems

[adrienne@proavsi.com](mailto:adrienne@proavsi.com)

978-692-5111

## About Pro AV Systems

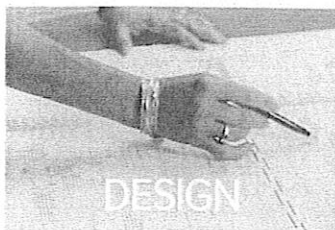
Pro AV Systems is New England's leading audio visual integrator, with offices in Massachusetts, Maine, and Vermont, founded in 1999 by husband-and-wife team Kim and Les Bishop. Now a full-service AV powerhouse, we service all New England today. We treat each project with the same care – and assign a team of professionals to get the job done. From the initial design, engineering and sales process, through installation and training, our team is focused on providing the best service possible to the customer, regardless of the scale or scope of the project.

Each year, the team at Pro AV Systems designs, installs and trains on hundreds of systems, and has worked with many different industry partners. From General Contractors and Electrical Contractors, to AV Consultant and End Users, the staff at Pro AV Systems knows that each project is unique and important in its own way. We specialize in design build services, but have about 1/3 of our revenue each year coming from projects that are in new builds or renovation projects. We understand timing, working with other trades and assign Project Managers (onsite) and Project Coordinators (in house) for each project, to make sure that things continue to run smoothly, even if there are hiccups in the building process.

Our team is focused on using technology to make your business more successful and help your days run more smoothly. We provide you with best-of-breed products at an affordable price, while matching functionality and equipment to your specific setting, because each customer is unique. We're educated and trained on industry standards, but we never stop learning. We're constantly trying to expand our knowledge of how things work and why they work – and we've been very successful through this focus. We empower our customers and users by keeping in mind how satisfied we'd be with the quality of our installation work, the capabilities and opportunities each technology presents, and the pricing of our solutions. Our engineers begin each project with a walk-thru of your space, design with your institution's goals and needs in mind, and close your project with in-depth troubleshooting and testing, so you can be assured your system will work when, and how, you need it to. We are proficient users of Crestron, Extron, and Epson products, and have the manufacturer support to back ourselves – and our promise is to make sure that the best possible products are specified into each and every design.

Pro AV's installation staff of highly-qualified and friendly audio visual professionals carries all major industry certifications, employing experts in Crestron, Extron, Biamp, Polycom, Epson, and Cisco. Our installation team's detail-oriented, talented, and always has your best interests in mind on a job site, testing each and every component so you can be assured your system will work when, and how, you need it to. Our engineers and programmers are proficient in multiple control programming languages, and also very skilled with DSP programming, focusing primarily on Biamp, Symetrix, and BSS controls, but understanding how to work within the confines of other systems, integrating and utilizing every piece to deliver the best possible experience.

At Pro AV Systems, our job is only half done when your installation is complete. Our friendly sales and training staff make certain you know, and understand, the capabilities of the new AV system in your space. Ease-of-use and simplicity are of utmost importance, so we can make sure even the most timid users are up and running, in some capacity, on Day 1. We don't expect our users to mold their way of doing things to the technology; rather, they should grow with it and learn the ways it can best enhance their lives.





# Pro AV Systems

NEW ENGLAND'S LEADING AUDIO VISUAL INTEGRATOR

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Video Displays • Audio Systems • Control Systems • Interactive Systems • Digital Signage • Video Conferencing • IP Streaming • Sound Masking

## General Information

### Pro AV Systems – Headquarters

275 Billerica Road  
Suite 3  
Chelmsford MA 01824

### Pro AV Systems

17 Patrick Drive  
Suite 1  
Westbrook ME 04092

### Pro AV Systems

74 Cotton Mill Hill  
Suite 303  
Brattleboro VT 05301

#### Key Contacts:

David Bishop, CCO

[dbishop@proavsi.com](mailto:dbishop@proavsi.com)

978-674-8733

Adrienne Blasioli, Project Director

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Slade Forni, Project Manager

[slade@proavsi.com](mailto:slade@proavsi.com)

978-674-8737

Bjorn Kapsted, Project Manager

[Bjorn@proavsi.com](mailto:Bjorn@proavsi.com)

978-674-8741

Lyndsey Baney, Project Coordinator

[lyndsey@proavsi.com](mailto:lyndsey@proavsi.com)

978-674-8712

### LPS-22-1 Bid Sheet Projectors

Please specify specific models numbers for ancillary equipment

| Component                  | Quantity | Cost       | Total       |
|----------------------------|----------|------------|-------------|
| Epson 1485Fi HD projector  | 10       | \$2,808.00 | \$28,080.00 |
| Wall mounted Control panel | 10       | \$57.00    | \$570.00    |
| Ceiling speakers           | 10       | \$479.50   | \$4,795.00  |
| Cabling                    | 10       | \$264.00   | \$2,640.00  |
|                            |          |            |             |
|                            |          |            |             |
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|                            |          |            |             |
|                            |          |            |             |
|                            |          |            |             |
| Labor                      |          | \$605.00   | \$6,050.00  |
| Total                      |          |            | \$42,135.00 |

Please provide pricing for possible future change orders.

|                               |                |
|-------------------------------|----------------|
| Hourly labor rate             | \$135/HR       |
| Parts discount off list price | Part Dependent |
| Design                        | \$125/HR       |
|                               |                |

Town bid list is for an apples to apples comparison. Bidders are responsible to ensure that their bids include all equipment, wiring and labor to complete the project. Omissions on the material list provided for the bid are the bidders responsibility. Additional equipment needed should be added to the list and pricing provided. The successful bidder will be required to certify that all employees working on the project do not have any criminal backgrounds or are on a sex offender list. Access to the site during the installation period will be during normal business hours. Other hours can be offered if needed to complete the project on time at the contractors expense.

End of Bid Document

Interactive Projector Bid.

Bid # LPS 22-1

Ledyard Public Schools is seeking bidders for Epson Interactive Projector bid. . Bid packages can be obtained at the Ledyard Public Schools Website at [www.Ledyard.net](http://www.Ledyard.net) under District/Finance/Bids. Bids are due no later than 11AM on Friday February 11, 2022 at the offices of Ledyard Public Schools 4 Blonders Blvd. Ledyard, CT 06339.

**Brightlink**

|    |   |               |
|----|---|---------------|
| 10 | <b>Epson Corporation Brightlink 1485Fi</b><br>Brightlink Interactive Ultra-Short Throw, Ultra Wide Laser Display - 1080P Resolution, 5000 Lumens, Wall Mount Not Included | \$28,080.00 * |
| 10 | Epson Corporation ELPMB62<br>Ultra-Short Throw Wall Mount   | \$1,090.00    |

**Brightlink Total: \$28,080.00**

**Cabling**

|    |   |            |
|----|---|------------|
| 10 | <b>1 Gang Surface Raceway Kit</b><br>Includes 16FT of 1.25" PVC Raceway with Single Gang Surface Box, 90-degree Elbow, Splice Adapter and (2) Drop Ceiling Adapters | \$700.00   |
| 10 | <b>50FT HDMI and USB Cabling</b><br>Cabling to include 50FT of In-Wall Cabling for HDMI and USB to a Wall Plate and provide 10FT Breakout Cables                    | \$1,940.00 |

**Cabling Total: \$2,640.00**

**Wall Mounted Control**

|     |  |            |
|-----|--|------------|
| 10  | <b>Extron Electronics VC 50</b><br>Volume Control Wall Plate   | \$570.00 * |
| 10  | Hellermann Tyton TSRFW-JB2<br>1-Gang Shallow Surface Junction Box - 2"D - Office White   | \$120.00   |
| 500 | Windy City Wire 22/2 Shielded Plenum (Black)<br>22/2 Shielded Cabling - 22 AWG 2 Conductor Bare Copper, Shielded, Plenum - Black | \$125.00   |

**Wall Mounted Control Total: \$570.00**

**Sound**

|    |   |            |
|----|---|------------|
| 10 | <b>Classroom Audio System with Ceiling Speakers</b><br>Includes (2) Plenum Rated Ceiling Speakers and 40 Watt Amplifier and all Interconnect Cables | \$4,795.00 |
|----|---|------------|

**Sound Total: \$4,795.00**



**Pro AV Services**

|    |  |            |
|----|--|------------|
| 10 | <b>Pro AV Systems Installation</b><br>Installation Service for Complete System     | \$5,400.00 |
| 10 | <b>Pro AV Systems Project Management</b><br>Project Management & Site Coordination | \$650.00   |

**Pro AV Services Total: \$6,050.00**

**Project Subtotal: \$42,135.00**



## Project Summary

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|                            |                    |
|----------------------------|--------------------|
| <b>Equipment:</b>          | <b>\$36,085.00</b> |
| <b>Installation Labor:</b> | <b>\$5,400.00</b>  |
| <b>Project MNG Labor:</b>  | <b>\$650.00</b>    |
| <b>Grand Total:</b>        | <b>\$42,135.00</b> |

### Payment Schedule

|  | Amount      | Due Date |
|--|-------------|----------|
| Upon Purchase Order or Signed Quote (Due Upon Receipt) | \$10,533.75 |          |
| Equipment Ordered (Due Prior to Install)               | \$21,067.50 |          |
| Upon Completion (NET 30)                               | \$10,533.75 |          |

### Acceptance:

I hereby state that I am an authorized representative to approve the purchase and acceptance of the items quoted in the attached documentation along with the above payment terms.

\_\_\_\_\_  
Name:

\_\_\_\_\_  
Title:

\_\_\_\_\_  
Signature:

\_\_\_\_\_  
Date:



**PRO AV SYSTEMS RESPONSIBILITIES:** *The following items are required by Pro AV Systems:*

1. Pro AV Systems will install all equipment in accordance with the manufacturers' specifications, national and local regulation ordinances and codes, including all OSHA guidelines. Unless specifically stated, all work will be performed during the normal working hours of Monday through Friday, between 8:00AM and 5:00PM, except for recognized holidays.
2. Pro AV Systems staff and contractors will conduct themselves in a professional, courteous manner, maintaining a clean-cut appearance and acceptable dress. All Pro AV Systems staff is expected to check in and out with you or an assigned contact at the beginning and end of the workday.
3. Pro AV Systems staff will maintain a clean and safe work environment. All unused materials, containers, tools and equipment will be removed whenever possible. Pro AV Systems will take precautions to protect all floors, walls, windows and other surfaces from stains, marring or other damage.
4. Pro AV Systems cannot be responsible for the operation, performance or warranty of equipment outside this contract. Pro AV Systems does not warrant that equipment supplied by others can be connected or will function properly except as specified by the project documentation.
5. Pro AV Systems will provide customer with all operation manuals and warranty documents.
6. Pro AV Systems will acquire, assemble, deliver and test all specified equipment and components to provide you with a fully functional system.

**CUSTOMER RESPONSIBILITIES:** *The following items are required by the Customer:*

1. Customer to provide a 120 VAC circuit to all specified equipment locations. These circuits should not be "shared" with other items, such as lighting, phone systems, etc.
2. Customer to provide all computer equipment and peripheral cables (mouse and keyboard cables), designated as OFE or "provided by others" if required.
3. Pro AV Systems strongly recommends that all electrical circuits supplying power to the system originate from the same power panel and phase. Pro AV Systems will take precautions to prevent hum or distortions created by ground differential, electromagnetic or electrostatic fields and to supply adequate ventilation to all equipment as specified by the manufacturer. Pro AV Systems will notify you of any hum or distortions beyond our control caused by interference with the building structure, electrical or existing equipment and advise you of the alternatives to alleviate the problem. Pro AV Systems will advise you of any unsatisfactory operating condition due to temperature, humidity, ventilation, mechanical structure or other safety concern.
4. Pro AV Systems assumes no responsibility for, and will not perform any work related to, electrical wiring (120 VAC and above).
5. Any additional work not listed in the original scope of work (per customer RFP) will require a Change Order.
6. All network configurations for any equipment connected to the customer network including but not limited to QOS, VLAN, Routing, Firewalls, Multicast, IGMP.
7. All server configurations if required for Active Directory, Exchange, O365, Azure AD, MS Teams, Zoom.
8. Software licenses or accounts required for an operational system including but not limited to Zoom Rooms and Teams Rooms.

**TERMS & CONDITIONS:**

Section 1 – Proposal Description

**1.A. Proposal Description** - The project description and specific work to be performed by Pro AV Systems is contained in the document and from herein referred to as the Proposal.

**1.B. Proposal Documents** - All work covered by this Proposal shall be contained in the Proposal documents including any special provisions, specifications, drawings, addenda, change orders, written interpretations and written orders. Work not covered by contract documents will not be required unless required by reasonable inference as being necessary to produce the intended result. The costs associated with any related work or materials, including, but not limited to electrical, drywall, painting, cabinets etc. are not included unless specifically documented in the Proposal.

**1.C. Proposal Changes** - The owner may order changes, additions or modifications without invalidating the contract. Such changes must be in writing and signed by the owner. Pro AV Systems will provide the owner in writing the amount of additional costs or reductions resulting from changes ordered within 15 working days unless this requirement is waived in writing by owner. Change Orders shall be paid in full upon acceptance of change and shall not alter the contract's payment schedule. In the case of product unavailability or discontinuation, Pro AV Systems reserves the right to substitute equipment of equal or better quality with owner approval. Pro AV Systems will be held blameless in the case of product unavailability or discontinuation.

#### Section 2 – General Facility Conditions

**2.A. Room Availability** - Rooms in which installation is occurring should be made available for the exclusive use of Pro AV Systems during the day(s) of scheduled installation. The room will be available during normal working hours (M-F, 8:00am-5:00pm) in eight (8) continuous hour segments. Any delay in schedule that is due to limited access or client usage that results in a return trip by the technician(s) will be subject to an additional expense charge.

**2.B. Electrical Outlets and Pathways** - Before audiovisual equipment is installed, the customer will need to provide the following requirements: electrical outlets, floor boxes, conduits and core drills in areas according to specification. Additionally, all power runs are to be clean and properly grounded. All electrical work pertaining to the audiovisual system will need to run on one phase and be installed to code (NEC). Pro AV Systems is not responsible for installing any conduit, floor boxes, trenches or other appurtenances associated with high voltage (120vac and over) equipment.

**2.C. Structural Vibrations** - Ceiling, walls and floors as well as all other building structures that support audiovisual equipment are to be vibration free. At an additional cost, dampening devices can be made available if needed.

**2.D. Furniture** – Furniture is to be removed prior to construction. If certain furniture cannot be removed, then it will need to be covered and protected sufficiently by the customer.

**2.E. Ceiling Tiles** – The customer is to provide extra ceiling tiles of the same pattern and patch number in any room where suspended ceiling tiles are already installed. Ceiling tiles are assumed to be either 2'x2' or 2'x4' in dimension. Other tile sizes may require additional cost for mounting solutions in the form of a change order.

**2.F. Merchandise Ownership & Storage** – The customer will provide a safe storage area for the equipment sold to or delivered to the job site. Pro AV Systems is not responsible for any loss or damage of merchandise after delivery to the job site except for damage caused by a Pro AV technician (s) during installation.

**2.G. Exclusion** – The following items are not covered under this agreement and may be subject to additional costs:

1. Acts of Nature: Such as water damage and/or damages caused by fire
2. System abuse or misuse that is determined by Pro AV Systems.
3. User errors – Problems caused by unacceptable connection of equipment, determined by Pro AV Systems.
4. Shipping – Expedited shipping for accelerated time lines or repaired parts.
5. Accessories – Hardware, software and/or accessories not provided or sold by Pro AV Systems.

#### Section 3 – Existing Equipment

**3.A. Documentation** – When integrating and/or installing pre-existing equipment into a new system, the customer is asked to provide any documentation that may be required to complete a proper installation. This may include any available source control code or drawings.

**3.B. Good Working Order** – Pro AV Systems is not responsible for any damage of existing hardware/equipment. The project may be delayed, or a change order may be required if any defective material is found.

**3.C. Customer Hardware and Software** - Pro AV Systems will not load software of any kind on the customers' computer. Unless stated otherwise, the customer is responsible for all Internet connectivity and computer hardware. In addition, the customer is responsible for the installation of computer software and drivers, all LAN provisioning, switches, network connections, and routers. Customer is required to install all operating systems and systems integration that is needed to run the installed interactive or other hardware devices and display equipment.

**3.D. Owner Furnished Equipment** – If owner is providing equipment (OFE) that Pro AV Systems is required to install, configure and/or control in order to provide a functional system, Pro AV Systems reserves the right to charge additional



labor hours if the OFE equipment does not perform as originally specified at the time of Proposal acceptance or according to the manufacturer specification.

#### Section 4 – Schedule, Payments and Business Terms

**4.A. Delays and Postponements** – Regarding schedule completion of the job, time is of the essence. If Pro AV Systems is delayed at any time in the process of the work by owner change orders, construction delays, delivery delays, fire, project postponement, unavoidable casualties and/or other causes beyond the control of Pro AV Systems, the completion schedule for the Proposal shall be extended at a minimum by the same amount of the time caused by the delay.

**4.B. Right of Revision** – Pro AV Systems has the right to revise this proposal if information was gained from site visits and other sources that were not available at the time this proposal was created.

**4.C. Freight** - Shipment fees are ground service only. If the customer requires expedited shipping, the additional fees will be prepaid and added to invoice(s).

**4.D. Labor** – Labor rates are quoted as regular rates that are non-prevailing wage rates and non-union rates. A change order can be processed for a job that requires the technician to be paid prevailing wage rates or require a union technician(s) to account for the difference in labor expenses.

**4.E. Project Initiation Terms and Payments** – Payment term details are described in the Proposal. A customer purchase order or signed proposal is required to begin the project. Invoices will be issued according to the terms outlined in the Proposal. For jobs requiring initial deposits, such deposit is due upon receipt of first invoice and no product will be ordered until the required deposit payment is received. All further invoice billing is due Net (30). Owner agrees that the terms outlined in these Contract Terms and Conditions take precedence over any other terms issued such as those that may be issued as part of a customer Purchase Order.

**4.F. Credit Card Payments** – Please note there will be a processing fee of 3.25% for payments made by credit card.

#### Section 5 – Warranty and Other

**5.A. Warranty** - Pro AV Systems warrants installed systems for a period of 90 days from date of acceptance or first beneficial use. During this time, Pro AV Systems will correct any problems at no charge. After the initial 90-day period, any additional service needs will be billed at the current service rate. To provide comprehensive coverage, Pro AV Systems offers extended warranty packages on all installed systems at an additional charge. All warranties do not cover misuse or abuse of the system components or issues caused by owner furnished equipment and interconnected systems provided by others. Interconnected systems include but are not limited to building network infrastructure, telephony (VOIP servers), fire alarms, paging, lighting, security, electrical systems and software. In the event that any of these systems are found to negatively effect the AV system performance, Pro AV Systems shall charge standard service rates on a time and materials basis (minimum 2 hours).

##### **Extended Warranty Package**

**Pro Care** – This warranty covers any and all defects or issues that your system could incur under normal use during the stated warranty period. This includes but is not limited to programming defects, hardware failures, workmanship, warranty processing and exchanges, and any labor required to restore the system to operational order. Hardware warranty replacements are based upon standard manufacturer warranties and replacement policies. Standard ground shipping is included. Standard response times apply.

**5.B. Force Majeure** – Neither Pro AV Systems or the customer will be responsible for delays that are outside the control of either parties, listed below:

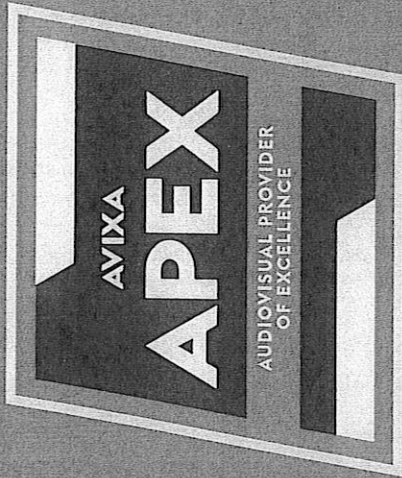
1. Acts of Civil/Military Authorities
2. Floods/Fires/Epidemics or any other acts of God
3. Governmental Rules/Regulations
4. War/Riots
5. Delays in transportation
6. Shortages in raw materials/other products
7. Labor Disputes

**5.C. Hours** – All services will be provided during normal business hours unless otherwise specified in the proposal: Monday-Friday, 8:00am-5:00pm. National and State Holidays are excluded.

**5.D. Suspension of Service Right** – If the customer's payment(s) is past due, Pro AV Systems reserves the right to discontinue and/or modify any current or future service either temporarily or permanently.



**5.E. Limitation of Liability** – Pro AV Systems will not be responsible for any damages from delay of delivery, loss of revenue, data business or goodwill. Pro AV Systems will not be liable for any claim that arose more than one (1) year prior to the institution of suit therein.



Let It Be Known

## Pro AV Systems, Inc.

Has been awarded the designation of AV Provider of Excellence (APEX) from AVIXA by annually demonstrating their commitment to providing quality service to customers, upholding high standards, and advancing industry excellence.

04/03/2018

Designation Awarded

04/30/2022

Expiration/Renewal Date

A handwritten signature in black ink that reads 'Joseph Pham'.

Joe Pham, Ph.D., President, AVIXA



AUDIOVISUAL AND INTEGRATED EXPERIENCE ASSOCIATION



The Commonwealth of Massachusetts  
 Executive Office for Administration and Finance  
 Division of Capital Asset Management and Maintenance  
 One Ashburton Place  
 Boston, Massachusetts 02108

Tel: (857) 204-1305  
 Fax: (617) 727-8284

Email: Certification.DCMM@mass.gov

CHARLES D BAKER  
 GOVERNOR

KARYN E POLITO  
 LIEUTENANT GOVERNOR

MICHAEL J HEFFERNAN  
 SECRETARY  
 ADMINISTRATION & FINANCE  
 CAROL W GLADSTONE  
 COMMISSIONER

Prime  
 Certificate of Contractor Eligibility  
 CONTRACTOR IDENTIFICATION NUMBER: 2715

This Certificate Shall be Used for Submitting Prime Bids Only.

- 1. CERTIFICATION PERIOD: This Certificate is valid from February 27, 2021 to February 26, 2022\*
- 2. CONTRACTOR'S NAME: Pro AV Systems, Inc.
- 3. CONTRACTOR'S ADDRESS: 275 Billerica Road Suite 3  
Chelmsford, MA 01824
- 4. WORK CATEGORIES: This Contractor is certified to file bids under Massachusetts General Laws Chapter 149, Chapter 149A and Chapter 25A in the following Categories of Work:

Telecommunications Systems

|                    |                                      |             |
|--------------------|--------------------------------------|-------------|
| 5. EVALUATIONS:    | Number of Projects Evaluated:        | 11          |
|                    | Average Project Evaluation Rating:   | 97          |
|                    | Number of Projects Below Passing:    | 0           |
| 6. PROJECT LIMITS: | Single Project Limit (SPL):          | \$1,000,000 |
|                    | Aggregate Work Limit (AWL):          | \$1,500,000 |
|                    | General Building Construction Limit: | N/A         |

7. SUPPLIER DIVERSITY OFFICE CERTIFICATION: N/A

Carol W. Gladstone, Commissioner

1/12/2021

Approval Date

\* **NOTICE TO CONTRACTORS:** *If this contractor becomes uncertified for any reason this Certificate will immediately become void. Complete Applications for Renewal of Contractor Eligibility are due no later than three months PRIOR to the Expiration Date of the Certification Period shown above.*

Reviewer's Initials: MR





OPERATIONAL SERVICES DIVISION  
SUPPLIER DIVERSITY OFFICE

THE COMMONWEALTH OF MASSACHUSETTS

Executive Office for Administration and Finance

OPERATIONAL SERVICES DIVISION

One Ashburton Place, Suit 1017

Boston, MA 02108-1552

Charles D. Baker

Governor

Karyn E. Polito

Lieutenant Governor

Michael J. Heffernan

Secretary

Gary J. Lambert

Assistant Secretary for Operational Services Division

October 1, 2020

Ms. Kimberly Bishop

ProAV Systems, Inc.

275 Billerica Road, Suite 3

Chelmsford, MA 01824

Dear Ms. Bishop:

Congratulations! Your firm has been renewed as a minority and woman business enterprise (MBE and WBE) with the Supplier Diversity Office ('SDO') under the business description of **INSTALLATION, INTEGRATION AND SERVICES FOR PROJECTORS, PLASMA & LCD DISPLAYS, AUDIO SYSTEMS, CONTROL SYSTEMS, ELECTRONIC WHITE BOARDS, SCREENS**. Your firm will be listed in the SDO Certified Business Directory and the Massachusetts Central Register under this description. **This letter serves as the sole proof of your SDO certification.** Your designation as a MBE and WBE is valid for three (3) years unless revoked pursuant to 425 CMR 2.00.

Your firm's next renewal date is November 09, 2023. SDO will send written renewal notices to your business and/or e-mail address on file approximately thirty (30) business days prior to your firm's three (3) years certification anniversary. Additionally, every six (6) years, certified companies that wish to remain certified may undergo a substantive review which will require certain updated supporting documentation.

SDO also reserves the right to monitor your firm and to perform random spot checks to ensure the firm continues to meet the certification criteria. Your firm is required to notify the SDO in writing of any material changes. Examples include but are not limited to changes in its business description, as well as business phone number, fax number, business' physical location, webpage and e-mail addresses. Other reportable changes include business structure, ownership (the business is sold or transferred), control and outside employment. You also have a duty to report decertification and debarment notices from this or any other jurisdiction. Failure to abide by the continuing duty requirements shall constitute grounds for the firm's decertification.

Tel: (617) 720-3300

[www.mass.gov/osd](http://www.mass.gov/osd)

TDD: (617) 727-2716

Follow us on Twitter: @Mass\_OSD

Fax: (617) 727-4527

We look forward to working with you and your firm to maximize its business opportunities. Should you have any questions, please feel free to contact us via email at [wso@state.ma.us](mailto:wso@state.ma.us).

Sincerely,



William M. McAvoy  
Deputy Assistant Secretary and  
Chief Legal Counsel



# Pro AV Systems

NEW ENGLAND'S LEADING AUDIO VISUAL INTEGRATOR

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Video Displays • Audio Systems • Control Systems • Interactive Systems • Digital Signage • Video Conferencing • IP Streaming • Sound Masking

## References

### Balmer Elementary School, Northbridge, MA

**Project Description:** New school front of classroom rollout with projectors and interactive flat panels on carts in each room, digital signage and large venue projectors on carts

**System Consultant:** Edvance Technology Group, 300 Brickstone Square, # 201, Andover, MA 01810; (978) 256-9900

**Architect:** Dore & Whittier Architects, Inc., 260 Merrimac Street, Building 7, Newburyport, MA 01950, (978) 499-2999

**General Contractor:** Fontaine Brothers, Inc., 510 Cottage Street, Springfield, MA 01104, (413) 781-2020

**Owner:** Northbridge Public Schools, 87 Linwood Avenue, Whitinsville, MA 01588, (508) 234-8156 [School Contact: Greg Palmer, gpalmer@nps.org]

**Contract:** OFF40 (Vendor Number 215051)

### South Community High School, Worcester, MA

**Project Description:** New school front of classroom rollout with projectors, digital signage and large venue projectors on carts

**System Designer:** Edvance Technology Group, 300 Brickstone Square, # 201, Andover, MA 01810; (978) 256-9900

**Architect:** Lamoureux Pagano Associates Architects, 108 Grove Street, Suite 300, Worcester, MA 01605, (508) 752-2831

**General Contractor:** Fontaine Brothers, Inc., 510 Cottage Street, Springfield, MA 01104, (413) 781-2020

**Owner:** Worcester Public Schools, 20 Irving Street, Worcester, MA 01609, (508) 799-3115

**Contract:** OFF40 (Vendor Number 215051)

### Middleborough High School, Middleborough, MA

**Project Description:** New school front of classroom rollout with interactive flat panels, digital signage and large venue spaces (Auditorium, Gym, Café)

**System Designer:** 3si Strategic Systems Solutions, Inc., 168 Main Street, Northfield, MA 01360, (413) 498-0069

**Architect:** Drummey Rosane Anderson Architects, 260 Charles Street, Waltham, MA 02451, (617) 964-1700

**General Contractor:** Fontaine Brothers, Inc., 510 Cottage Street, Springfield, MA 01104, (413) 781-2020

**Owner:** Town of Middleborough, 10 Nickerson Avenue, 1<sup>st</sup> Floor, Middleborough, MA 02346, (508) 947-0928

### Beal Elementary School, Shrewsbury, MA

**Project Description:** New school front of classroom rollout with projectors, media center room, digital signage and large venue projectors on carts

**System Designer:** Art Engineering Corporation, 38 Front Street, Floor 3, Worcester, MA 01608, (508) 797-0333

**Architect:** Lamoureux Pagano Associates Architects, 108 Grove Street, Suite 300, Worcester, MA 01605, (508) 752-2831

**General Contractor:** Fontaine Brothers, Inc., 510 Cottage Street, Springfield, MA 01104, (413) 781-2020

**Owner:** Town of Shrewsbury, 100 Maple Avenue, Shrewsbury, MA 01545, (508) 841-8507

### Ivan G Smith Elementary School, Danvers, MA

**Project Description:** New school front of classroom rollout with projectors, interactive flat panels and digital signage

**System Designer:** Edvance Technology Group, 300 Brickstone Square, # 201, Andover, MA 01810; (978) 256-9900

**Architect:** Tappé Architects, Inc., 6 Edgerly Place, Boston, MA 02116, (617) 451-0200

**General Contractor:** W.T. Rich Company, Inc., 29 Crafts Street, Suite 300, Newton, MA 02458, (617) 467-6010

**Owner:** Town of Danvers, 1 Sylvan Street, Danvers, MA 01923, (978) 777-0001

Video Displays • Audio Systems • Control Systems • Interactive Systems • Digital Signage • Video Conferencing • IP Streaming • Sound Masking

|   | Certification or Licensure<br>Original Issue Date               | Certification or Licensure<br>Issuing Manufacturer or Organization | Certification or Licensure<br>Expiration Date |
|---|---|--|---|
| <b>CORPORATE CERTIFICATIONS</b>           |   |  |   |
|   | DCAMM Certified   | Division of Capital Asset Management & Maintenance                 | 2/26/2021                                     |
|   | APEX Certified  | AVIXA (formerly Infocomm)  | 4/3/2021                                      |
|   | SDO Certified   | Commonwealth of MA   | 11/9/2021                                     |
|   | MBE/WBE/MWBE  | Commonwealth of MA   | 11/9/2021                                     |
|   | WOSB Certified  | U.S. Women's Chamber of Commerce                                   | 10/1/2021                                     |
|   | MA Statewide Contract OFF40                                     | Commonwealth of MA - Audio/Video                                   | 12/31/2021                                    |
|   | MHEC Statewide Contract MC15-B11                                | Massachusetts Higher Education Consortium                          | 9/30/2023                                     |
|   | Certificate of Good Standing and Fully Insured/Bonded           | Commonwealth of MA   | 12/31/2021                                    |
|   | Epson Brightlink Certified Expert                               | Epson  | 2/28/2022                                     |
|   | Gold Safety Award   | Construct Secure   | 10/1/2022                                     |
| <b>KIM BISHOP President, Owner</b>        |   |  |   |
| YEARS OF EXPERIENCE: 20+                  | CTS Certified   | AVIXA (formerly Infocomm International)                            | 4/30/2022                                     |
|   | Digital Signage for Tech Managers Certification                 | InfoComm International   | 2/28/2022                                     |
|   | Extron School of Emerging Technology                            | Extron   | 2/28/2022                                     |
|   | Brightlink Pro Collaborative Whiteboard Sales Training          | Epson  | 2/28/2022                                     |
|   | OSHA 10 – Construction Safety                                   | OSHA   | 2/28/2022                                     |
| <b>LES BISHOP CFO, Owner</b>              |   |  |   |
| YEARS OF EXPERIENCE: 20+                  | CTS Certified   | AVIXA (formerly Infocomm International)                            | 1/31/2024                                     |
|   | Construction Supervisors License #68690 (effective 9/12/1988)   | Commonwealth of MA Dept. of Public Safety Board of Bldg.           | 9/12/2020                                     |
|   | Lift Operation Certification                                    | Construction Equipment Rentals (CER)                               | 2/28/2022                                     |
|   | Crestron Programming Fundamentals 5/2006                        | Crestron Electronics   | 2/28/2022                                     |
|   | Radio & TV Master Technician License #9952 (effective 12/31/06) | Division of Professional Licensure, MA                             | 2/28/2022                                     |
|   | Registered Professional Engineer #30574 (effective 6/30/1979)   | Division of Professional Licensure, MA                             | 6/30/2022                                     |
|   | School of Emerging Technologies                                 | Extron Electronics   | 2/28/2022                                     |
|   | Business-to-Gov't Specialist (effective 10/19/2008)             | IACET/B2G  | 2/28/2022                                     |
|   | Construction Supervisor License CE Course                       | Massachusetts Contractors Academy                                  | 9/9/2017                                      |
|   | OSHA 10 – Construction Safety                                   | OSHA   | 2/28/2022                                     |
|   | Telecom Systems Contractor #6177 (effective 9/30/08)            | RI Dept. of Labor  | 9/30/2022                                     |
| <b>MARK WOODS Director of Engineering</b> |   |  |   |
| YEARS OF EXPERIENCE: 14                   | CTS-D Certified   | AVIXA (formerly Infocomm International)                            | 9/1/2023                                      |
|   | Crestron Master Technology Architect                            | Crestron Electronics   | 2/28/2022                                     |
|   | NAM – AMX Control Designer                                      | AMX University   | 2/28/2022                                     |
|   | Biamp Nexia Certified   | Biamp Corp   | 2/28/2022                                     |
|   | Biamp Audia Certified   | Biamp Corp   | 2/28/2022                                     |
|   | Biamp Tesira Certified  | Biamp Corp   | 2/28/2022                                     |
|   | Crestron Programmer   | Crestron Electronics   | 2/28/2022                                     |
|   | Crestron System Design (4/21/2008)                              | Crestron Electronics   | 2/28/2022                                     |
|   | Crestron Network Solutions - Design (CNS-D)                     | Crestron Electronics   | 2/28/2022                                     |
|   | Dante Level 1 Certification                                     | Audinate   | 2/28/2022                                     |
|   | DMC-E (Digital/Media Certified Engineer)                        | Crestron Electronics (Lic.#E-105-110204-1900)                      | 2/28/2022                                     |
|   | DMC-D (Digital Media Certified Designer)                        | Crestron Electronics (Lic.#D-105-110204-3196)                      | 2/28/2022                                     |
|   | DMC-E/4K – DigitalMedia Certified Engineer 4K                   | Crestron Electronics (Lic.#E-4K-000-120123-1453)                   | 2/28/2022                                     |
|   | CSD- Commercial Shade Designer                                  | Crestron Electronics (Lic.#CSD-000-140715-2256)                    | 2/28/2022                                     |
|   | Lift Operation Certification                                    | Construction Equipment Rentals (CER)                               | 2/28/2022                                     |
|   | Extron System Design (2/2007)                                   | Extron Electronics   | 2/28/2022                                     |
|   | Extron – Control Associate ECA License                          | Extron Electronics   | 2/28/2022                                     |
|   | Extron School of Configurable Control Systems                   | Extron Electronics   | 2/28/2022                                     |
|   | Extron A/V Associate Certificate                                | Extron Electronics   | 2/28/2022                                     |
|   | School of Emerging Technologies                                 | Extron Electronics   | 2/28/2022                                     |
|   | XTP-E (XTP Systems Engineer)                                    | Extron Electronics   | 2/28/2022                                     |
|   | OSHA 10 – Construction Safety                                   | OSHA   | 2/28/2022                                     |
|   | Telecommunications #6536 (May 1, 2009)                          | RI Dept. of Labor  | 2/28/2022                                     |
|   | Polycom Video Conferencing HDX trainer/installer 3/14/09        | Sapphire Marketing   | 2/28/2022                                     |
|   | Polycom RealPresence Platform                                   | Polycom  | 2/28/2022                                     |
|   | Polycom RealPresence Environment                                | Polycom  | 2/28/2022                                     |
|   | Shure Microflex Advance Training                                | Shure Audio Institute  | 2/28/2022                                     |
|   | SymNet Certification  | Symmetrix Engineering  | 2/28/2022                                     |
|   | Elementi Certified  | Spinetix   | 2/28/2022                                     |

| <b>DAVID BISHOP</b> Chief Commercial Officer |  |  |           |
|--|--|--|-----------|
| YEARS OF EXPERIENCE: 14                      | CTS Certified  | AVIXA (formerly Infocomm International)          | 5/31/2023 |
|  | Biamp Audio Certified  | Biamp Corp.                                      | None      |
|  | Lift Operation Certification                                 | Construction Equipment Rentals (CER)             | None      |
|  | Crestron Programmer  | Crestron Electronics                             | None      |
|  | Crestron System Design (4/21/2008)                           | Crestron Electronics                             | None      |
|  | Crestron Roomview Designer (4/21/08)                         | Crestron Electronics                             | None      |
|  | Crestron Communication System Design (11/11/08)              | Crestron Electronics                             | None      |
|  | Dante Level 1 Certification                                  | Audinate   | None      |
|  | DMC-D/4K DigitalMedia Certified Designer 4K                  | Crestron Electronics (Lic.#D-4K-000-110204-1954) | None      |
|  | DMC-E (Digital Media Certified Engineer)                     | Crestron Electronics (Lic.#E-105-110204-1892)    | None      |
|  | DMC-D (Digital Media Certified Designer)                     | Crestron Electronics (Lic.#D-105-110204-3195)    | None      |
|  | Epson BrightLink Pro Collaborative Whiteboard Sales Training | Epson  | None      |
|  | Epson Large Venue Projectors Course                          | Epson  | None      |
|  | Extron System Design (2/2007)                                | Extron Electronics                               | None      |
|  | School of Emerging Technologies                              | Extron Electronics                               | None      |
|  | Business -to-Gov 1 Specialist (effective 10/19/2008)         | IACE7/B2G  | None      |
|  | OSHA 10 - Construction Safety                                | OSHA   | None      |
|  | OSHA 10 - Construction Safety                                | OSHA   | None      |
|  | RM Easiteach Advanced and Math Frameworks Trainer            | RM Educational Software                          | None      |
|  | Polycom Video Conferencing HDX trainer/installer 3/14/09     | Sapphire Marketing                               | None      |
|  | Shure Microflex Advance Training                             | Shure Audio Institute                            | None      |

| <b>ADRIENNE BLASIO</b> Director of Bid Desk |  |   |           |
|---|--|---|-----------|
| YEARS OF EXPERIENCE: 10                     | CTS Certified  | AVIXA (formerly Infocomm International) | 2/28/2022 |
|   | Crestron Master Sales Associate                              | Crestron Electronics                    | None      |
|   | OSHA 10 - Construction Safety                                | OSHA                                    | None      |
|   | OSHA 30 - Construction Safety                                | OSHA                                    | None      |
|   | Epson BrightLink Pro Collaborative Whiteboard Sales Training | Epson                                   | None      |
|   | Epson Brightlink Certified Expert: Sales, Installation       | Epson                                   | None      |
|   | Topcat Access Installation                                   | Lightspeed                              | None      |
|   | Lightspeed Access Troubleshooting                            | Lightspeed                              | None      |
|   | Top 40 Under 40  | Commercial Integrator Magazine 2021     | None      |

| <b>SLADE FORNI</b> Project Manager |                                      |   |            |
|------------------------------------|--------------------------------------|---|------------|
| YEARS OF EXPERIENCE: 6             | CTS Certified 2016                   | AVIXA (formerly Infocomm International)           | 11/30/2021 |
|                                    | Project Management Professional, PMP | Project Management Institute; PMP Number: 2757388 | 3/10/2023  |
|                                    | OSHA 10 - Construction Safety        | OSHA  | None       |
|                                    | OSHA 30 - Construction Safety        | OSHA  | None       |

| <b>SEAN HAMMOND</b> Technician |  |  |            |
|--------------------------------|--|--|------------|
| YEARS OF EXPERIENCE: 12        | CTS Certified 2/2012   | AVIXA (formerly Infocomm International)            | 12/31/2023 |
|                                | CTS AV Installation Test: Cable Termination, Cable Handling,   | InfoComm Academy Professional Education & Training | None       |
|                                | OSHA Safety Course June 2, 2008                                | AGC-Massachusetts                                  | None       |
|                                | Biamp Mix-Minus Certified                                      | Biamp  | None       |
|                                | AVD  | Biamp  | None       |
|                                | Lift Operation Certification                                   | Construction Equipment Rentals (CER)               | None       |
|                                | Crestron Programmer  | Crestron Electronics                               | None       |
|                                | DMC-D-4K   | Crestron Electronics                               | None       |
|                                | DMC-D DigiMedia Certified Designer                             | Crestron Electronics (Lic. #D000-140228-9837)      | None       |
|                                | Configuring for Control  | Extron Electronics                                 | None       |
|                                | Extron School of Global Configurator 4/24/2008                 | Extron Electronics                                 | None       |
|                                | Extron Certified AV Associate                                  | Extron Electronics                                 | None       |
|                                | School of Configurable Control                                 | Extron Electronics                                 | None       |
|                                | Project Management for AV                                      | AVIXA (formerly Infocomm International)            | None       |
|                                | Authorized Service Center Training - Infocus IN series and Ask | Infocus University                                 | None       |
|                                | OSHA 10 - Construction Safety                                  | OSHA   | None       |

| <b>ANDREW CLARK</b> Field Service Engineer |   |   |            |
|--|---|---|------------|
| YEARS OF EXPERIENCE: 11                    | CTS-I Certified 11/30/2015                            | AVIXA (formerly Infocomm International) | 11/30/2022 |
|  | A/V Technician Certified 11/25/2015                   | AVIXA (formerly Infocomm International) | None       |
|  | Biamp Mix-Minus Certified                             | Biamp                                   | None       |
|  | Biamp Tesira Forte Certified Installer                | Biamp                                   | None       |
|  | Lift Operation Certification                          | Construction Equipment Rentals (CER)    | None       |
|  | Crestron Programmer                                   | Crestron Electronics                    | None       |
|  | Crestron DMC-D  | Crestron Electronics                    | None       |
|  | Crestron Certified Designer 4K                        | Crestron Electronics                    | None       |
|  | Crestron CTI-P101 Foundations of Crestron Programming | Crestron Electronics                    | None       |
|  | Dante Level 1 Certification                           | Audinate                                | None       |
|  | Extron Certified A/V Associate                        | Extron Electronics                      | None       |
|  | Extron Control Specialist                             | Extron Electronics                      | None       |
|  | OSHA 10 - Construction Safety                         | OSHA                                    | None       |
|  | Shure Microflex Advance Training                      | Shure Audio Institute                   | None       |

| <b>KENNY SOULEOTIS</b> Warehouse Manager |   |   |           |
|--|---|---|-----------|
| YEARS OF EXPERIENCE: 11                  | CTS Certified 2/2012                                  | AVIXA (formerly Infocomm International) | 2/28/2021 |
|  | Lift Operation Certification                          | Construction Equipment Rentals (CER)    | None      |
|  | School of Audio Visual Technologies for System Design | Extron Electronics                      | None      |
|  | OSHA 10 - Construction Safety                         | OSHA                                    | None      |

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|--|--|--|------------|
| <b>NATE HUBBARD</b> <i>Technician</i>            |  |  |            |
| YEARS OF EXPERIENCE: 3                           | CTS Certified 9/2020<br>OSHA 10 – Construction Safety  | AVIXA (formerly Infocomm International)<br>OSHA  | 10/31/2023 |
| <b>ALISHA LEBLANC</b> <i>Project Manager</i>     |  |  |            |
| YEARS OF EXPERIENCE: 3                           | CTS Certified 10/2020<br>Project Management for AV<br>OSHA 10-Construction Safety<br>OSHA 30-Construction Safety   | AVIXA (formerly Infocomm International)<br>AVIXA (formerly Infocomm International)<br>OSHA<br>OSHA   | 11/30/2023 |
| <b>JEFF TAYLOR</b> <i>Technician</i>             |  |  |            |
| YEARS OF EXPERIENCE: 6                           | OSHA 10-Construction Safety<br>Safari Montage Technician Certified   | OSHA<br>Safari Montage   |            |
| <b>RYAN ACKLEY</b> <i>Field Engineer</i>         |  |  |            |
| YEARS OF EXPERIENCE: 9                           | CTS-I Certified<br>Biamp VoIP Certification - Level 1<br>Biamp Tesira Forte Certified Installer<br>Biamp TesiraSERVER/SERVER-IO Training<br>C2G "The 5 A/V Technologies That Will Define the Next 5<br>C2G "Digital Video at Length"<br>Chief Mfg. Certified Installer<br>Crestron DMC-D Certified Digital Media Designer<br>Crown I-Tech HD Certified User<br>Dante Level 1 Certification<br>Dante Level 2 Certification<br>Foundations of Crestron Programming CTI-P101<br>Extron School of Audio Visual Technologies for System Designers<br>Extron "Configuring for Control"<br>Extron Certified Control Professional<br>Listen Technologies Hearing Loop Certification - Level 1<br>OSHA 10-Construction Safety<br>Shure Microflex Advance Training   | AVIXA (formerly Infocomm International)<br>Biamp<br>Biamp<br>Biamp 1/30/19<br>C2G<br>C2G<br>Chief<br>Crestron Electronics<br>Crown<br>Audinate<br>Audinate 1/3/2019<br>Crestron Electronics<br>Extron Electronics<br>Extron Electronics<br>Extron Electronics<br>Extron Electronics<br>Listen Technologies<br>OSHA<br>Shure Audio Institute  | 6/30/2023  |
| <b>SCOTT JORDAN</b> <i>Design Engineer</i>       |  |  |            |
| YEARS OF EXPERIENCE: 25                          | CTS Certified 10/2020<br>Avixa Academy Essentials of AV Technology<br>Avixa Academy Front Work for Live Events<br>Tesira Training Certification<br>Chief Mfg. Certified Installer<br>Foundations of Crestron Programming CTI-P101<br>Crestron Digital Media Streaming, DMC-S Certified<br>Crestron Digital Media NVX Design and Application, NVX-N Certified<br>Crestron Digital Media Certified Designer, DMC-D Certified<br>DNH Commercial Loudspeaker Course<br>Extron Consultant School of Emerging Technologies<br>Extron Fiber Optic Systems Advanced Training<br>Extron Videowall Systems Advanced Training<br>Extron XTP Systems Online Training<br>Extron XTP-E Certified<br>Extron Video Signal Processing Advanced Training<br>Extron AV Streaming Technology Advanced Training<br>OSHA 10-Construction Safety<br>QSC Q-SYS Level 1 and Level 2 Certification<br>SIA Software / EAW SMAART School Certified<br>Yamaha Digital System Clinic, Dante for Sound Reinforcement and Distribution | AVIXA (formerly Infocomm International)<br>AVIXA (formerly Infocomm International)<br>AVIXA (formerly Infocomm International)<br>Biamp (Certification Number 8327)<br>Chief<br>Crestron Electronics<br>Crestron Electronics (Certification Number S-366-161103-1300)<br>Crestron Electronics (Certification Number NVXN-366-190226-1249)<br>Crestron Electronics (Certification Number D-149-110322-4597)<br>DNH<br>Extron Electronics<br>Extron Electronics<br>Extron Electronics<br>Extron Electronics<br>Extron Electronics<br>Extron Electronics<br>Extron Electronics<br>OSHA<br>QSC<br>EAW<br>Yamaha | 11/30/2023 |
| <b>JACOB AUDET</b> <i>Installation Manager</i>   |  |  |            |
| YEARS OF EXPERIENCE: 5                           | CTS Certified 2017<br>OSHA 10-Construction Safety  | AVIXA (formerly Infocomm International)<br>OSHA  | 1/31/2023  |
| <b>ANDREW DOLZANI</b> <i>Field Engineer</i>      |  |  |            |
| YEARS OF EXPERIENCE: 9                           | CTS Certified  | AVIXA (formerly Infocomm International)  | 6/30/2022  |
| <b>PHILLIP BOISVERT</b> <i>Technician</i>        |  |  |            |
| YEARS OF EXPERIENCE: 3                           | CTS Certified  | AVIXA (formerly Infocomm International)  | 9/30/2023  |
| <b>GARY BORDELEAU</b> <i>Project Manager</i>     |  |  |            |
|  | OSHA 10-Construction Safety<br>Commonwealth of MA – Div of Prof. Licensure   | OSHA<br>Electricians License – Lic#1960D   | 7/10/2022  |
| <b>BRENDA DESHAIES</b> <i>Operations Manager</i> |  |  |            |
| YEARS OF EXPERIENCE: 9                           | Epson BrightLink Pro Collaborative Whiteboard Sales Training<br>RM Easiteach trainer and Math Frameworks Trainer   | Epson<br>RM Educational Software   |            |

|   |  |  |           |
|---|--|--|-----------|
| <b>STEVEN LEBLANC</b> Sales Account Manager |  |  |           |
| YEARS OF EXPERIENCE: 2                      | CTS<br>Epson Master Brightlink Sales Certification | AVIXA (formerly Infocomm International)<br>Epson | 1/31/2022 |

|                                       |  |  |            |
|---------------------------------------|--|--|------------|
| <b>NICOLE GUINTA</b> Project Engineer |  |  |            |
| YEARS OF EXPERIENCE: 10               | CompTIA Security+ Certification<br>OSHA 10 – Construction Safety<br>Dante Certification Level 1<br>Dante Certification Level 2<br>Dante Certification Level 3<br>Crestron DigitalMedia Certified Designer – 4K<br>Crestron RL-C<br>Advanced Residential Certification<br>Biamp Tesira Forte<br>Project Management for AV<br>AV Design for the Environment<br>Networking Essentials I<br>Extron School of Audio Visual Technologies for System Designers<br>Microsoft Lync Technical<br>Extron Networking Principals<br>Extron Streaming Principals | Certification Number - COMP001021414187<br>OSHA<br>Audinate<br>Audinate<br>Audinate<br>Crestron Electronics<br>Crestron Electronics<br>Lutron Electronics<br>Biamp<br>AVIXA (formerly Infocomm International)<br>AVIXA (formerly Infocomm International)<br>AVIXA (formerly Infocomm International)<br>Extron Electronics<br>Polycom<br>Extron Electronics<br>Extron Electronics | 12/10/2024 |

|                                     |   |   |                                     |
|-------------------------------------|---|---|-------------------------------------|
| <b>MATT CLARKE</b> Project Engineer |   |   |                                     |
| YEARS OF EXPERIENCE: 10             | Wireless Best Practices & Techniques<br>Design<br>Audio Basics for Meetings and Conferences<br>Chief Certified Partner<br>Certified Product Specialist<br>Certified Technical Specialist<br>Audio Basics for Conference Rooms<br>Da-Lite Academy<br>Extron AV Associate<br>Audio Equalization<br>AV 101 for Architects<br>Cable Termination<br>Economic Snapshot Survey Results<br>Biamp Tesira Forte<br>Desco ESD Basics<br>Vidyo Certified Deployment & Support Engineer (VC-DSE)<br>Dante Certification Level 1<br>OSHA 10 - Construction Safety | Shure Wireless<br>Shure Wireless<br>Shure Wireless<br>Chief Manufacturing<br>ClearOne<br>ClearOne<br>ClearOne<br>Da-Lite<br>Extron<br>AVIXA (formerly Infocomm International)<br>AVIXA (formerly Infocomm International)<br>AVIXA (formerly Infocomm International)<br>AVIXA (formerly Infocomm International)<br>Biamp<br>Desco<br>Vidyo<br>Audinate<br>OSHA | 8/28/2021<br>8/26/2021<br>8/20/2021 |

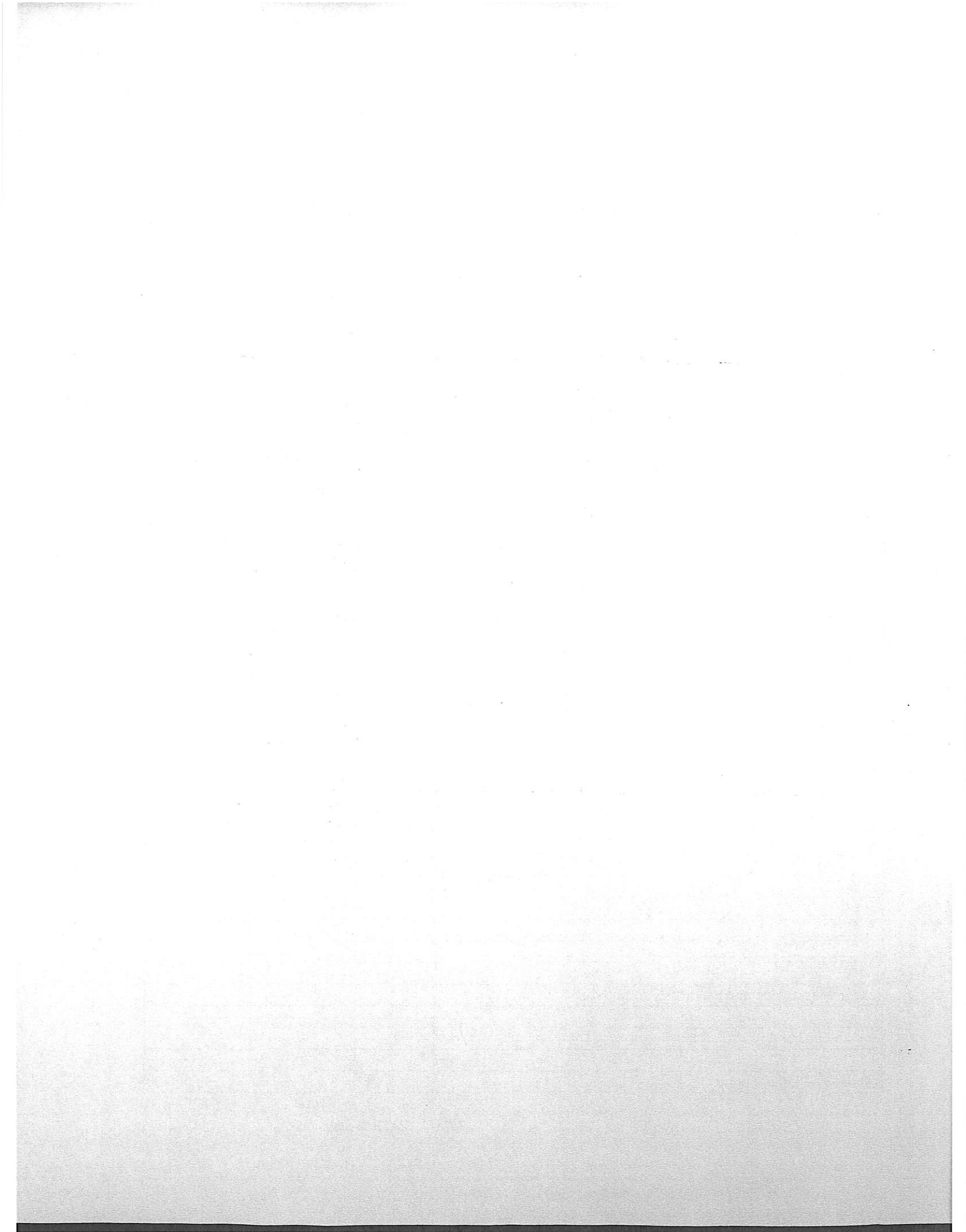
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|---|--|--|-----------|
| <b>MARK CRISTOFFELS</b> Service Manager |  |  |           |
| YEARS OF EXPERIENCE: 16                 | CTS Certified<br>Biamp Tesira Forte<br>Biamp VoIP<br>TelePresence Video Sales Specialist<br>ClearOne Specialist<br>Crestron DMC-S<br>Crestron DigitalMedia Certified Designer – 4K<br>Crestron RL<br>CTI-P101 - Foundations of Crestron Programming<br>Extron School of Audio Visual Technologies for System Designers<br>Extron IP config<br>Hilti power tools certified operator<br>OSHA 10 – Construction Safety<br>Polycom RealPresence Clariti<br>Polycom RealPresence Platform<br>Polycom RealPresence Environment<br>Polycom Immersive Telepresence<br>Revolabs Certified Specialist<br>SynAudCon Digital<br>Dante Certification Level 1<br>Microflex Advanced Training | AVIXA (formerly Infocomm International)<br>Biamp<br>Biamp<br>Cisco<br>ClearOne<br>Crestron Electronics<br>Crestron Electronics (D-4K-000-140603-2692)<br>Crestron Electronics (Lic RLC-000-140604-1058)<br>Crestron Electronics<br>Extron Electronics<br>Extron Electronics<br>Hilti<br>OSHA<br>Polycom<br>Polycom<br>Polycom<br>Polycom<br>Revolabs<br>SynAudCon<br>Audinate<br>Shure | 7/31/2023 |

|                                      |  |   |            |
|--------------------------------------|--|---|------------|
| <b>BJORN KAPSTAD</b> Project Manager |  |   |            |
| YEARS OF EXPERIENCE: 6               | CTS Certified 11/2020<br>OSHA 10 – Construction Safety<br>OSHA 30 – Construction Safety<br>AV Technology Certificate | AVIXA (formerly Infocomm International)<br>OSHA<br>OSHA<br>AVIXA - Infocomm | 12/31/2023 |

|   |   |   |            |
|---|---|---|------------|
| <b>ROBERT O'SHEA</b> Service Technician |   |   |            |
| YEARS OF EXPERIENCE: 5                  | CTS Certified 12/2020<br>OSHA 10 – Construction Safety<br>OSHA 30 – Construction Safety | AVIXA (formerly Infocomm International)<br>OSHA<br>OSHA | 12/31/2023 |

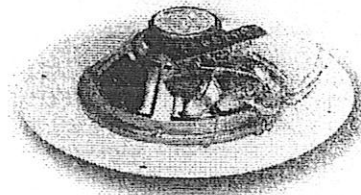
|  |  |   |            |
|--|--|---|------------|
| <b>MATT BELANGER</b> <i>Programmer</i>                                   |  |   |            |
| YEARS OF EXPERIENCE: 15  | Certified Master Programmer - Silver Level       | Crestron Electronics                    | None       |
|  | DMC-D/4K DigitalMedia Certified Designer 4K      | Crestron Electronics                    | None       |
| <b>JAY WHITE</b> <i>Sales Account Manager</i>                            |  |   |            |
| YEARS OF EXPERIENCE: 35+   | Essentials of Crestron Programming               | Crestron Electronics                    | None       |
|  | DMC-D/4K DigitalMedia Certified Designer 4K      | Crestron Electronics                    | None       |
|  | Extron Advanced School of AV Technologies I      | Extron Electronics                      | None       |
|  | Extron Advanced School of AV Technologies II     | Extron Electronics                      | None       |
|  | Extron School of Emerging Technologies           | Extron Electronics                      | None       |
| <b>MIKE LIBBY</b> <i>Project Manager</i>                                 |  |   |            |
| YEARS OF EXPERIENCE: 10  | OSHA 10 – Construction Safety                    | OSHA                                    |            |
|  | OSHA 30 – Construction Safety                    | OSHA                                    |            |
|  | Lift Operation Certification                     | Construction Equipment Rentals (CER)    |            |
|  | Shure Microflex Advanced Training                | Shure                                   | None       |
|  | Dante Certification Level 1                      | Audinate                                |            |
| <b>TYLER LOGAN</b> <i>Technician</i>                                     |  |   |            |
| YEARS OF EXPERIENCE: 5   | CTS  | AVIXA (formerly Infocomm International) | 7/31/2023  |
|  | OSHA 10 – Construction Safety                    | OSHA                                    |            |
| <b>NICHOLAS CAMELIO</b> <i>Technician</i>                                |  |   |            |
| YEARS OF EXPERIENCE: 3   | CTS  | AVIXA (formerly Infocomm International) | 10/31/2023 |
|  | OSHA 10 – Construction Safety                    | OSHA                                    |            |
| <b>LINDA IVERS</b> <i>Strategic Accounts Coordinator, Safety Officer</i> |  |   |            |
| YEARS OF EXPERIENCE: 12  | OSHA 10 – Construction Safety                    | OSHA                                    |            |
|  | OSHA 30 – Construction Safety                    | OSHA                                    |            |
| <b>RICH PETERSON</b> <i>Account Manager</i>                              |  |   |            |
| YEARS OF EXPERIENCE: 5   | Selling Newtek Technology                        | Newtek                                  |            |
|  | Newtek Training 3Play Operation                  | Newtek                                  |            |
|  | Newtek Live Production with Tricaster            | Newtek                                  |            |
|  | Microsoft Teams Room Solution Sales Professional | Microsoft 365                           |            |



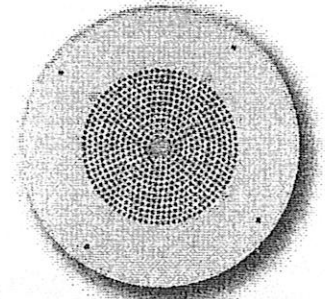




# Ceiling Speaker Grille Assemblies



S86T725PG8WBR



S86T725PG8WVK

## Description

Bogen's Ceiling Speaker Assemblies consist of an 8" Cone Speaker (S86 or S810) pre-assembled onto a 13" steel ceiling grille painted with off-white (PG8W) or bright white (PG8U) enamel. Options for these assemblies are recessed volume control (VR), volume control with knob (VK), and rear-mounted screw terminal strip for power taps (BR).

## Features

- 4-watt capacity
- 8" cone speaker for excellent audio quality
- 6 different power taps available (4, 2, 1, 1/2, 1/4, 1/8 W)
- T725 4-watt transformer
- Off-white enamel over steel grille ("W" versions)
- Bright white enamel over steel grille ("U" versions)
- Pre-assembled for faster installation
- Works with both 70V and 25V amplifier outputs
- Available with volume control – recessed or with knob (VR and VK models only)
- Screw terminals (BR models only)
- 6 oz. or 10 oz. magnet weights

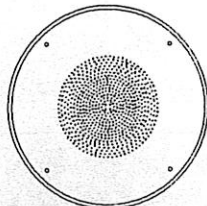
## Technical Specifications

| Model           | Power Taps<br>(in Watts)          | Frequency Response | Sensitivity<br>(4 ft./1W) | Magnet Weight | No Volume Control | Recessed Volume Control (VR) | Volume Control w/Knob (VK) | Screw Terminals (BR) | Off-White (W) | Bright White (U) | Shipping Weight (6/Carton) | Dimensions         |   |                 |                 |                 |
|-----------------|-----------------------------------|--------------------|---------------------------|---------------|-------------------|------------------------------|----------------------------|----------------------|---------------|------------------|----------------------------|--------------------|---|-----------------|-----------------|-----------------|
| S86T725PG8W     | 4, 2, 1, 1/2, 1/4, 1/8 @ 25 & 70V | 50 Hz-12 kHz       | 95 dBspl                  | 6 oz.         | •                 |                              |                            |                      | •             |                  | 27 lb. / carton            | 13" Dia x 3-1/4" D |   |                 |                 |                 |
| S86T725PG8WVR   |                                   |                    |                           |               |                   | •                            |                            |                      |               | •                |                            |                    |   |                 |                 |                 |
| S86T725PG8WVK   |                                   |                    |                           |               |                   |                              | •                          |                      |               |                  |                            |                    | • |                 |                 |                 |
| S86T725PG8WBR   |                                   |                    |                           |               | •                 |                              |                            |                      | •             |                  |                            |                    | • |                 |                 |                 |
| S86T725PG8WBRVR |                                   |                    |                           |               |                   |                              |                            |                      | •             |                  | •                          |                    | • | 28 lb. / carton |                 |                 |
| S86T725PG8WBRVK |                                   |                    |                           |               |                   |                              |                            |                      |               | •                | •                          |                    | • |                 |                 |                 |
| S86T725PG8U     |                                   |                    |                           |               |                   |                              |                            |                      | •             |                  |                            |                    |   | •               | 27 lb. / carton |                 |
| S86T725PG8UVR   |                                   |                    |                           |               |                   |                              |                            |                      |               | •                |                            |                    |   | •               |                 |                 |
| S86T725PG8UYK   |                                   |                    |                           |               |                   |                              |                            |                      |               |                  | •                          |                    |   | •               | 28 lb. / carton |                 |
| S86T725PG8UBR   |                                   |                    |                           |               |                   |                              |                            |                      | •             |                  | •                          |                    | • | •               |                 |                 |
| S86T725PG8UBRVR |                                   |                    |                           |               |                   |                              |                            |                      |               | •                |                            |                    | • | •               | 30 lb. / carton |                 |
| S86T725PG8UBRVK |                                   |                    |                           |               |                   |                              |                            |                      |               |                  | •                          |                    | • | •               |                 |                 |
| S810T725PG8W    |                                   |                    |                           |               |                   | 70 Hz-15 kHz                 | 96 dBspl                   | 10 oz.               | •             |                  |                            |                    |   | •               |                 | 30 lb. / carton |
| S810T725PG8WVR  |                                   |                    |                           |               |                   |                              |                            |                      |               |                  |                            |                    | • |                 | •               |                 |
| S810T725PG8WVK  |                                   |                    |                           |               |                   |                              |                            |                      | •             |                  | •                          |                    |   |                 |                 |                 |
| S810T725PG8U    |                                   |                    |                           |               | •                 |                              |                            |                      |               |                  |                            | •                  |   |                 |                 |                 |
| S810T725PG8UVR  |                                   |                    |                           |               |                   |                              |                            |                      | •             |                  |                            | •                  |   |                 |                 |                 |
| S810T725PG8UVK  |                                   |                    |                           |               |                   |                              |                            |                      |               | •                |                            | •                  |   |                 |                 |                 |

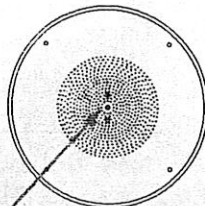
Specifications subject to change without notice.  
 © 2008 Bogen Communications, Inc.  
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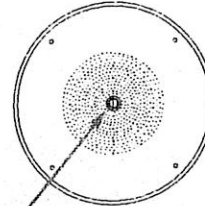
## Ceiling Speaker Assembly Variations



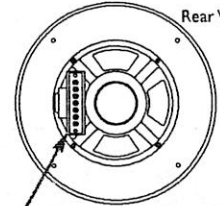
No Volume Control



Recessed Volume Control - (VR suffix)



Volume Control Knob - (VK suffix)



Screw Terminal Strip - (BR suffix)

## Architect and Engineer Specifications

**S86T725PG8W & Variations** The loudspeaker assembly shall be a Bogen model **S86T725PG8W** (or **S86T725PG8WVR**, **S86T725PG8WVK**, **S86T725PG8WBR**, **S86T725PG8WBRVR**, or **S86T725PG8WBRVK**), or equivalent, 8" cone-type loudspeaker, having a frequency response of at least 50 Hz to 12 kHz. Axial sensitivity shall be 95 dB, measured at 1-watt/4 feet. The loudspeaker shall have a 6 oz. ceramic magnet and a 3/4" voice coil. A transformer, capable of matching an 8-ohm loudspeaker to a 25-volt or 70-volt line, and providing power taps of 4, 2, 1, 1/2, 1/4, and 1/8 watts shall be included. The loudspeaker shall be assembled on a 13" steel ceiling grille, finished in off-white semi-gloss enamel. Assembly depth shall be 3-1/4".

(For **S86T725PG8WVR** add) A recessed volume control shall be included.

(For **S86T725PG8WVK** add) A volume control knob shall be accessible from the front of the grille.

(For **S86T725PG8WBR** add) A terminal strip shall be included for connection of the audio line.

(For **S86T725PG8WBRVR** add) A terminal strip shall be included for connection of the audio line. A recessed volume control shall be included.

(For **S86T725PG8WBRVK** add) A terminal strip shall be included for connection of the audio line. A volume control knob shall be accessible from the front of the grille.

**S86T725PG8U & Variations** The loudspeaker assembly shall be a Bogen model **S86T725PG8U** (or **S86T725PG8UVR**, **S86T725PG8UVK**, **S86T725PG8UBR**, **S86T725PG8UBRVR**, or **S86T725PG8UBRVK**), or equivalent, 8" cone-type loudspeaker, having a frequency response of at least 50 Hz to 12 kHz. Axial sensitivity shall be 95 dB, measured at 1-watt/4 feet. The loudspeaker shall have a 6 oz. ceramic magnet and a 3/4" voice coil. A transformer, capable of matching an 8-ohm loudspeaker to a 25-volt or 70-volt line, and providing power taps of 4, 2, 1, 1/2, 1/4, and 1/8 watts shall be included. The loudspeaker shall be assembled on a 13" steel ceiling grille, finished in bright white semi-gloss enamel. Assembly depth shall be 3-1/4".

(For **S86T725PG8UVR** add) A recessed volume control shall be included.

(For **S86T725PG8UVK** add) A volume control knob shall be accessible from the front of the grille.

(For **S86T725PG8UBR** add) A terminal strip shall be included for connection of the audio line.

(For **S86T725PG8UBRVR** add) A terminal strip shall be included for connection of the audio line. A recessed volume control shall be included.

(For **S86T725PG8UBRVK** add) A terminal strip shall be included for connection of the audio line. A volume control knob shall be accessible from the front of the grille.

**S810T725PG8W & Variations** The loudspeaker shall be a Bogen model **S810T725PG8W** (or **S810T725PG8WVR**, or **S810T725PG8WVK**), or equivalent, 8" cone-type loudspeaker, having a frequency response of at least 70 Hz to 15 kHz. Axial sensitivity shall be 96 dB, measured at 1-watt/4 feet. The loudspeaker shall have a 10 oz. ceramic magnet and a 1" voice coil. A transformer, capable of matching an 8-ohm loudspeaker to a 25-volt or 70-volt line, and providing power taps of 4, 2, 1, 1/2, 1/4, and 1/8 watts shall be included. The loudspeaker shall be assembled on a 13" steel ceiling grille, finished in off-white semi-gloss enamel. Assembly depth shall be 3-1/4".

(For **S810T725PG8WVR** add) A recessed volume control shall be included.

(For **S810T725PG8WVK** add) A volume control knob shall be accessible from the front of the grille.

**S810T725PG8U & Variations** The loudspeaker shall be a Bogen model **S810T725PG8U** (or **S810T725PG8UVR**, or **S810T725PG8UVK**), or equivalent, 8" cone-type loudspeaker, having a frequency response of at least 70 Hz to 15 kHz. Axial sensitivity shall be 96 dB, measured at 1-watt/4 feet. The loudspeaker shall have a 10 oz. ceramic magnet and a 1" voice coil. A transformer, capable of matching an 8-ohm loudspeaker to a 25-volt or 70-volt line, and providing power taps of 4, 2, 1, 1/2, 1/4, and 1/8 watts shall be included. The loudspeaker shall be assembled on a 13" steel ceiling grille, finished in bright white semi-gloss enamel. Assembly depth shall be 3-1/4".

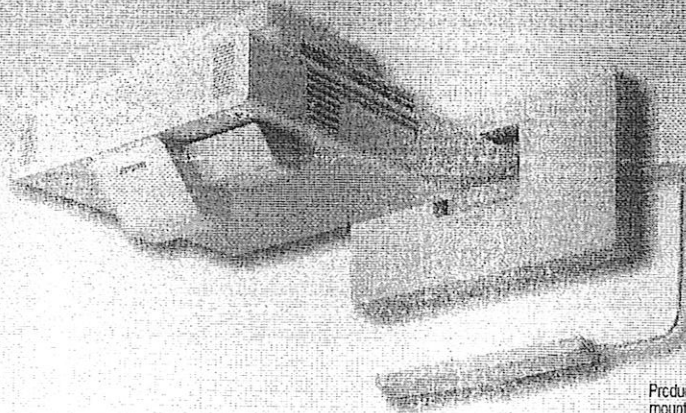
(For **S810T725PG8UVR** add) A recessed volume control shall be included.

(For **S810T725PG8UVK** add) A volume control knob shall be accessible from the front of the grille.

**BOGEN**<sup>®</sup>  
COMMUNICATIONS, INC.

www.bogen.com

# BrightLink® 1485Fi 1080p 3LCD Interactive Laser Display



Product shown with  
mount, sold separately.

Projectors

Education

Bring collaboration to classrooms and meeting spaces with this interactive HD 1080p laser display<sup>1</sup>.

**Super bright** — 5,000 lumens color/white brightness<sup>2</sup>; 1080p Full HD laser display<sup>1</sup>

**Flexible image sizes** — projects large, 100", 16:9 or super-wide 120", 16:6 images — up to 95 percent more interactive space vs. a 75" flat panel

**Solid-state laser light source** — virtually maintenance-free 20,000-hour laser light source with no lamps<sup>3</sup>

**Easy installation** — automatic image adjustment and simplified calibration makes installation easier than ever before

**Digital whiteboard** — draw, save, print and email without a PC; share whiteboard content to other network-connected BrightLink projectors<sup>4</sup>

**Easy operation** — touch and pen-enabled interactivity<sup>5</sup> allows up to eight users to collaborate at once

**Improved cable management** — HDBaseT control pad supports, video, audio and interactive functions, reducing the number of cables and making installation a snap<sup>6</sup>

**Built-in wireless** — use free Epson iProjection™ software to connect, display and share content simultaneously to/from up to 50 connected devices<sup>7</sup>

**Connect with Miracast®** — supports software-free, peer-to-peer wireless connectivity

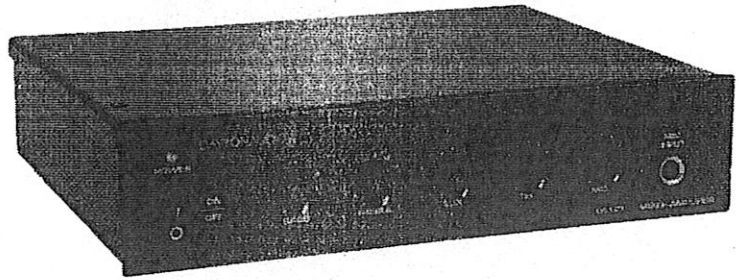
**SMART Learning Suite** — includes 1-year subscription and support for SMART Notebook®, SMART amp™, SMART lab™, SMART Learning Suite Online and more





# 10W TABLETOP MIXER-AMPLIFIER 70V/100V

Model: DA10T



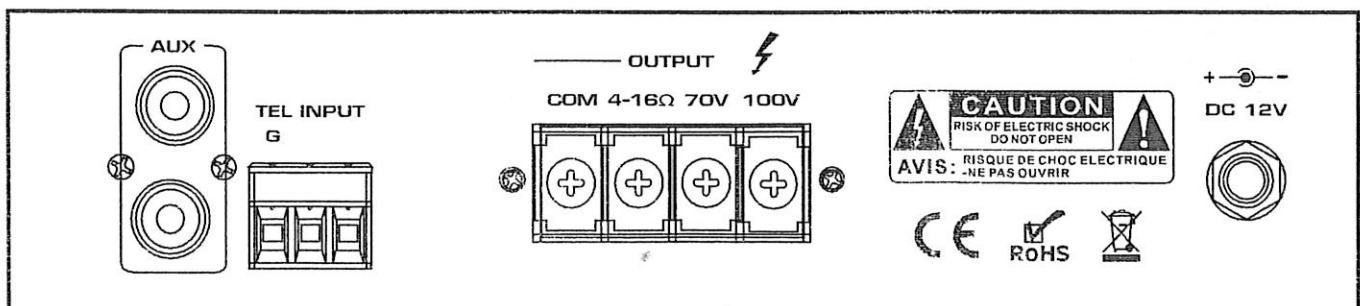
**Description:** The DA10T provides 10 watts of power for speakers which can be 70V, 100V, or 4 - 16 ohm speakers. Three inputs allow for microphone, line level (BGM), and telephone paging with level controls for each input on the front panel. Bass and treble controls are also present, so you can tailor the response to suit your specific needs.

For added flexibility, the DA10T operates on 12 VDC, and includes a 120 VAC 2A power adapter. For DC operation, simply supply 12V power via the 2.1 x 5.5 mm power jack (plug not included).

Dayton Audio's new commercial mixer-amps have a no-nonsense design for easy installation and use, and several power levels to choose from, so you're sure to find one that meets your needs. Features like 70V/100V or 4 - 16 ohm output and mic/telephone priority muting provide maximum flexibility. And, with the same uncompromising standards of quality and value you've come to expect from Dayton Audio, you know it will be sounding great for years to come.

## Features:

- Rated Power: 10W
- 70V, 100V constant voltage outputs and 4-16 ohms constant resistance output.
- 1 channel MIC one-port input (55 mV/500 ohms) and 1 channel (300 mV/500 ohms) AUX input.
- 1 channel TEL input (sensitivity: 1V/500 ohms).
- Built-in treble and bass adjustment (bass: 10 dB at 100 Hz, treble: 10 dB at 10,000 Hz).
- Built-in priority functions, including priority level as follow: TEL override AUX and MIC, MIC is second priority, override AUX signal except TEL signal.



### Specifications

**Display System** Epson<sup>®</sup> 3LCD, 3-chip technology  
**Display Method** Ceiling/wall mount/table mount  
**Driving Method** Epson Poly-silicon TFT Active Matrix  
**Native Resolution** 1080p<sup>1</sup> (1366 x 768 x 2)  
**Resolution on Screen** 1080p<sup>1</sup> (2.1 million pixels)  
**Pixel Number** 1,049,000 pixels (1366 x 768) x 3 chips  
**Color Brightness<sup>2</sup>** Color Light Output: 5,000 lumens  
**White Brightness<sup>2</sup>** White Light Output: 5,000 lumens  
**Aspect Ratio** 16:9 (native), supports 4:3, 16:10, 16:6, 21:9  
**Size (Projected Distance) Area** (16:9) 65" – 100"  
**Keystone Correction (Manual)**  
 Horizontal: ± 3 degrees  
 Vertical: ± 3 degrees  
**USB Plug 'n Play Mac<sup>®</sup>** 10.7 or later; Windows Vista<sup>®</sup> or later  
**Contrast Ratio** Up to 2,500,000:1  
**Color Reproduction** Up to 1.07 billion colors  
**Illumination Technology** Laser Diode  
**Light Source Life<sup>3</sup>** 20,000 hours (Normal)  
 30,000 hours (Extended)

### Wireless Specifications

**Supported Security Mode**  
 OPEN, WPA2/WPA3-PSK, WPA2/WPA3-EAP  
**Supported EAP Type** PEAP, PEAP-TLS, EAP-TLS, EAP-Fast  
**Supported Speeds:**  
 IEEE 802.11b: 11 Mbps\* (2.4 GHz)  
 IEEE 802.11g: 54 Mbps\* (2.4 GHz)  
 IEEE 802.11n: 72.2 Mbps\* (2.4 GHz)  
 IEEE 802.11a: 54 Mbps\* (5 GHz)  
 IEEE 802.11n: 150 Mbps\* (5 GHz)  
 IEEE 802.11ac: 325 Mbps\* (5 GHz)  
 \*Maximum speed and range is achievable when used with the same Enhanced Mode technology. Actual data rates, features and performance may vary depending on your computer system, the environment and other factors.

### Projection Lens

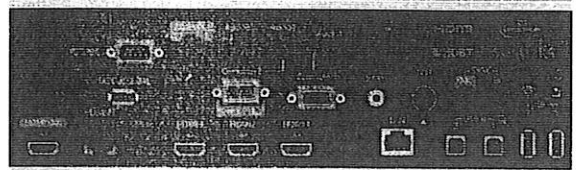
**Type** Manual focus  
**F-number** 1.50  
**Focal Length** 3.9 mm  
**Throw Ratio Range** (16:9) 0.27 – 0.37, (4:3) 0.37 – 0.50, (16:10) 0.30 – 0.42  
**Zoom Ratio** Digital zoom 1.0 – 1.35x

### Other

**Speaker** 8 W x 2 stereo  
**Operating Temperature** 41° to 104° F (0° to 40° C)  
**Power Supply Voltage** 100 – 240 V ± 10%, 50/60 Hz  
**Power Consumption**  
 ECO Mode: 270 W  
 Normal Mode: 381 W  
 Standby (Communication On): 2.0 W  
 Standby (Communication Off): 0.5 W  
**Fan Noise**  
 Quiet Mode: 27 dB, Normal Mode: 36 dB  
**Security** Kensington lock provision, security anchor bar, password-protect function

### Interfaces

HDMI<sup>®</sup>: 3  
 HDBaseT HDMI out: DS 1  
 Computer/Component Video: 2x D-sub 15 pin  
 Composite Video: 1x RCA (Yellow)  
 Audio In: 3x Mini stereo  
 Audio Out: 1x Mini stereo  
 Microphone in: 1  
 USB Connector: 2x Type B (USB display, audio and mouse, k/b control interactivity)  
 USB Connector: 2x Type A (USB memory/document camera)  
 1x RJ-45  
 Serial: 1x RS-232c  
 Monitor Out/Computer: 1x D-sub 15 pin  
 Integrated Wireless LAN: 802.11 b/g/n/ac  
 Interactive Synchronization Mini stereo In  
 Interactive Synchronization Mini stereo Out  
 Touch Unit Connection Port



### Interactivity

**Interactive Technology** Infrared, 850 nm  
**Interactive Area (Image Size)** 65" – 100" diagonal (16:9, 1080p)  
**Input Device** Digital pen or finger  
**Number of Pens** Two  
**Number of Pen Tips** Six (4x Felt/Soft Tip, 2x Teflon<sup>™</sup> Hard Tip)  
**Pen Functions** Mouse functions (left and right click), Electronic pen, LED battery status indicator  
**Pen Specifications** Size: 6.3" (L) x 0.95" (W); Weight: 1.1 oz (without battery), Power: AA battery, Compatible Battery Types: AA x 1. Manganese dry cell, Alkaline dry cell, Panasonic eneloop<sup>®</sup> BK-3MCCx (The suffix "x" can be blank or A-Z), Calibration Method: Automatic or Manual  
**Interactive Modes**  
 Whiteboard Mode: 2x pens and 6x fingers, PC-free Annotation Mode: 2x pens and 6x fingers, Computer Interactivity Mode, Easy Interactive Tools: 2x pens and 6x fingers

**Requirements for Computer Interactivity**  
 Connection to the Computer: Via USB cable or wired/wireless LAN  
**Software System Compatibility:** Epson Easy Interactive Driver for Mac only; Windows<sup>®</sup> driver for Multi Projection; Windows (single projector) and Linux: No driver required  
 Mac: Mac OS X<sup>®</sup> 10.7.x or later  
**Interactive Software Requirements** Epson Easy Interactive Driver (Mac and PC — required for DuoLink); Windows and Linux: driver not required  
 Mac: Mac OS X 10.7/10.8/10.9/10.10/10.11/macOS 10.12.x  
 Epson Easy Interactive Tools for Windows and Mac  
**System Compatibility** Microsoft<sup>®</sup> Windows Vista SP2 (All editions except for Starter), Windows 8/8.1, Windows 10, Windows 7 SP1 (All editions except for Starter) macOS<sup>®</sup> 10.7/10.8/10.9/10.10/10.11/macOS 10.12.x, UBUNTU 15.10, 16.04 LTS, 16.04, 18.04, 19.04

### Dimensions (W x D x H)

**Including Feet** 18.1" x 14.3" x 8.3"  
**Weight** 21.4 lbs with cable cover (9.7 kg)

### Remote Control

**Features** Source search, HDMI, Computer, LAN, USB, Power, Aspect, Color mode, Volume, E-zoom, A/V Mute, Freeze, Menu, Home, Auto, Enter, Esc, Pointer, User, Pen Mode, Split, Home, ID  
**Operating Angle**  
 Rear: Right/left: -55 to +55 degrees, Upper/lower: +75 to +15 degrees, Front: Right/left: -30 to +30 degrees, Upper/lower: 0 to +60 degrees  
**Operating Distance** 19.7 ft (6 m)

### HDBaseT Control Box

**Functions** Projector On/Off, HDMI source switching, audio/video/interactivity via CAT6, USB for PC-free saving  
**Dimensions** 7.75" H x 6.9" W x 1.5" D  
**Power** DC 12 V power supply  
**Supported Distance** 40 m (4k 30 fps) or 70 m (1080p 60 fps) via CAT6 cable

### Eco Features

Energy-efficient 3LCD light engine  
 RoHS compliant  
 Recyclable product<sup>9</sup>  
 Epson America, Inc. is a SmartWay<sup>®</sup> Transport Partner<sup>®</sup>

### Support

**Service Programs** Two-year projector limited warranty, Epson Road Service program, PrivateLine<sup>®</sup> dedicated toll-free support

### What's in the Box

BrightLink Pro 1485Fi, lens cover, rear cable cover, interactive touch module and cable, Quick Setup Guide, 6' power cable, USB A/B cable (x1), projector remote control with two AA batteries, HDBaseT control pad with power supply, pen holder, four (4) markers for auto screen adjustment, IR reflectors, two (2) interactive pens, battery charger and two (2) AA rechargeable batteries (for interactive pens), Warranty statement, SMART SLS redemption code

### Ordering Information

|   |            |
|---|------------|
| BrightLink 1485Fi                                     | V11H919520 |
| Air Filter  | V13H134A56 |
| PowerLite <sup>®</sup> Pilot <sup>™</sup> 3 (ELPCB03) | V12H927020 |
| Pixel Plus (ELPSP10)                                  |            |
| Document Camera (DC21)                                | V12H758020 |
| External Speakers (ELPSP02)                           | V12H467020 |
| Wireless 802.11b/g/n LAN Unit (ELPAP11)               | V12H005A02 |
| 100" Whiteboard 16:9 Aspect Ratio                     | V12H006A02 |
| DaLite 100" IDEA Screen                               | V12H006A01 |
| Interactive Pen A (Orange)                            | V12H773010 |
| Interactive Pen B (Blue)                              | V12H774010 |
| Replacement Pen Tips (Hard/Teflon)                    | V12H775010 |
| Replacement Pen Tips (Soft/Felt)                      | V12H776020 |
| Ultra Short-throw Wall Mount (ELPMB02)                | V12HA06A05 |
| Finger Touch Module                                   | V12H007A23 |
| Touch Module Bracket                                  | V12HA05A09 |
| USB Extension Cable (ELPKC31)                         | V12H525001 |

1 Pixel shifting technology achieves Full HD resolution on screen. | 2 Color brightness (color light output) and white brightness (white light output) will vary depending on usage conditions. Color light output measured in accordance with IDMS 15.4; white light output measured in accordance with ISO 21118. | 3 No required maintenance for the light source for up to 20,000 hours. Approximate time until brightness decreases 50% from first usage. Measured by acceleration test assuming use of 0.04 - 0.20 mg/m<sup>3</sup> of particulate matter. Time varies depending on usage conditions and environment. Replacement of parts other than the light source may be required in a shorter period. | 4 BL1485Fi and 1480Fi projectors only. Cannot share to earlier models. | 5 Requires Windows 7, Windows 8 or Mac OS X or later to recognize finger gestures. | 6 Supports maximum distance up to 229 feet (Cat6A/7; 1080p) and up to 131 feet (Cat6/7; 4K content) | 7 For wireless functionality, including via the Epson iProjection App, the projector must be configured on a network, either through the Ethernet port on the projector (check model specifications for availability) or via a wireless connection. Check your owner's manual to determine if a wireless LAN module must be purchased separately to enable a wireless connection. Not all Epson projectors are able to be networked. The Epson iProjection App does not support all file and formats. See [www.epson.com](http://www.epson.com) for details. | 8 For convenient and reasonable recycling options, visit [www.epson.com/recycle](http://www.epson.com/recycle) | 9 SmartWay is an innovative partnership of the U.S. Environmental Protection Agency that reduces greenhouse gases and other air pollutants and improves fuel efficiency.

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[eco.epson.com](http://eco.epson.com)



Epson America, Inc.  
 3540 Kilroy Airport Way, Long Beach, CA 90806

Epson Canada Limited  
 185 Renfrew Drive, Markham, Ontario L3R 6G3

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## Technical Specifications:

|   |                              |
|---|------------------------------|
| Model   | DA10T                        |
| Speaker output  | 4~16 ohms, 70V, 100V         |
| Power source  | 12 VDC                       |
| Power consumption                                     | 15W                          |
| Tone control (Bass: 100 Hz, Treble: 10 kHz)           | ± 10 dB                      |
| Weight  | 3.97 lbs.                    |
| Dimensions  | 7.87" W x 5.91" D x 1.73" H  |
| Amplifier section (Amp in @ 1 kHz, 8 ohm load output) |                              |
| Rated power output (THD 1%)                           | 10W                          |
| Input sensitivity/impedance                           | 1V/20,000 ohms               |
| Frequency response (@ 1 kHz half-power output)        | 80 - 16,000 Hz (+1 dB/-3 dB) |
| MIC input section (MIC in @ 1 kHz, preamp out)        |                              |
| Input sensitivity/impedance                           | 55mV/500 ohms                |
| AUX input section (AUX in @ 1 kHz, preamp out)        |                              |
| Input sensitivity/impedance                           | 300mV/500 ohms               |
| TEL input section (AUX in @ 1 kHz, preamp out)        |                              |
| Input sensitivity/impedance                           | 1V/500 ohms                  |

## Architect & Engineer Specifications:

The amplifier shall be a Dayton Audio DA10T. The amplifier shall provide 70V or 100V constant voltage output with the ability to produce 10 watts. The amplifier shall also provide 4 - 16 ohms constant resistant output. The amplifier shall have an input impedance of 1V, 20,000 ohms at 1 kHz, 8 ohm load output.

The amplifier shall provide three inputs including a 1/4" microphone line level (BMG), balanced AUX (RCA), and a telephone phoenix connector input. The MIC input selection shall provide 55mV, 500 ohm input impedance. The AUX input shall provide 300mV, 500 ohms input impedance. The TEL input shall provide 1V, 500 ohms input impedance. Each input shall have a continuously adjustable input level control mounted on the front panel of the amplifier.

A power indicator on the front panel of the amplifier shall provide the amplifier's power status. The indicator shall illuminate when power is being supplied to the amplifier and the amplifier is turned to the "On" position. The amplifier shall provide an alarm sound when powered on if the amplifier is overloaded, short circuiting, or the input voltage is not stable, too high or too low.

The amplifier shall drive either the 70V, 100V, or 4-16 ohm output at a single time. If 70V/100V voltage is used the speakers must use a transformer. The total power wattage of the speakers must be 15% less than the power wattage of the amplifier. The total load impedance of the speaker system shall be 490 ohms in 70V configuration and 1,000 ohms in 100V configuration.

The front panel shall provide adjustable bass and treble controls for the output of the amplifier. The bass control shall provide an adjustable boost or cut of 10 dB at 100 Hz, the treble control shall provide an adjustable boost or cut of 10 dB at 10,000 Hz. The amplifier shall provide a frequency response of 80 - 16,000 Hz (+1 dB/-3 dB) at 1 kHz, half power output.

The amplifier shall provide a priority mute function where TEL has priority over all other inputs. MIC is secondary priority, adjusting the mute level shall override all other input signals except for the TEL input.

The amplifier shall operate on 12 VDC via 2.1 x 5.5 mm power jack (not included). The amplifier shall include a 120 VAC 2A power adapter. The amplifier shall consume 15 watts of power while in operation.

The amplifier shall have a compact, lightweight size. The amplifier shall have dimensions of 7.87" W x 5.91" D x 1.73" H. The amplifier shall have a weight of 3.97 lbs.



daytonaudio.com  
tel + 937.743.8248  
info@daytonaudio.com

705 Pleasant Valley Dr.  
Springboro, OH 45066  
USA







# **RnB Enterprises, Inc.**

**115 Hurley Road, #4B/C, Oxford, CT 06478**

**Telephone: (800) 998-8865 or (203) 426-3679 Fax: (203) 426-1691**

**www.RnBEnterprises.com**

**State of CT A/V Contract Holder - #13PSX0090**

State of Connecticut Certified Small Business Enterprise

Affirmative Action \* Equal Opportunity Employer

February 8, 2022

Ledyard Public Schools  
4 Blonders Blvd  
Ledyard, CT 06339

Re: Bid# LPS 22-1

Dear Ledyard Public Schools,

Please accept this letter as certification that RnB Enterprises, Inc. will hold our warranty on labor for two years from the date of completion to cover installation issues or service under the length under the manufacturer's warranty.

In addition, we certify that the pricing is valid for a minimum of 90 days.

RnB will begin work in July and complete prior to August 10. Please complete PO process to RnB well in advance of installation so any possible back ordered merchandise is accounted for.

Sincerely,

Robert Serio, Chairman  
RnB Enterprises, Inc.



|                             |    |                 |             |
|-----------------------------|----|-----------------|-------------|
| Labor/Installation Services | 10 | \$739.00        | \$7,390.00  |
| Total                       | 10 | \$4,481.30/room | \$44,813.00 |

\*wall mounted control panel = HDBaseT control pad which comes with the Epson 1485Fi

Please provide pricing for possible future change orders.

|                               |               |
|-------------------------------|---------------|
| Hourly labor rate per person  | \$139.00/hour |
| Parts discount off list price | 12%           |
| Design per person             | \$139.00/hour |
|                               |               |

Town bid list is for an apples to apples comparison. Bidders are responsible to ensure that their bids include all equipment, wiring and labor to complete the project. Omissions on the material list provided for the bid are the bidders responsibility. Additional equipment needed should be added to the list and pricing provided. The successful bidder will be required to certify that all employees working on the project do not have any criminal backgrounds or are on a sex offender list. Access to the site during the installation period will be during normal business hours. Other hours can be offered if needed to complete the project on time at the contractors expense.

End of Bid Document

**RnB Enterprises, Inc.**

115 Hurley Rd #4B/C  
Oxford, CT 06478



|                             |    |                 |             |
|-----------------------------|----|-----------------|-------------|
| Labor/Installation Services | 10 | \$739.00        | \$7,390.00  |
| Total                       | 10 | \$4,481.30/room | \$44,813.00 |

\*wall mounted control panel = HDBaseT control pad which comes with the Epson 1485Fi

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|                               |               |

Town bid list is for an apples to apples comparison. Bidders are responsible to ensure that their bids include all equipment, wiring and labor to complete the project. Omissions on the material list provided for the bid are the bidders responsibility. Additional equipment needed should be added to the list and pricing provided. The successful bidder will be required to certify that all employees working on the project do not have any criminal backgrounds or are on a sex offender list. Access to the site during the installation period will be during normal business hours. Other hours can be offered if needed to complete the project on time at the contractors expense.

End of Bid Document

**RnB Enterprises, Inc**

115 Hurley Rd #207C  
Oxford, CT 06478



|                             |    |                 |             |
|-----------------------------|----|-----------------|-------------|
| Labor/Installation Services | 10 | \$739.00        | \$7,390.00  |
| Total                       | 10 | \$4,481.30/room | \$44,813.00 |

\*wall mounted control panel = HDBaseT control pad which comes with the Epson 1485Fi

Please provide pricing for possible future change orders.

|                               |               |
|-------------------------------|---------------|
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|                               |               |

Town bid list is for an apples to apples comparison. Bidders are responsible to ensure that their bids include all equipment, wiring and labor to complete the project. Omissions on the material list provided for the bid are the bidders responsibility. Additional equipment needed should be added to the list and pricing provided. The successful bidder will be required to certify that all employees working on the project do not have any criminal backgrounds or are on a sex offender list. Access to the site during the installation period will be during normal business hours. Other hours can be offered if needed to complete the project on time at the contractors expense.

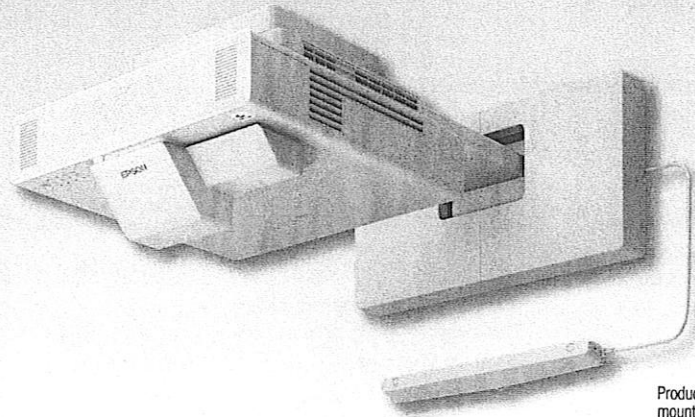
End of Bid Document

**RnB Enterprises, Inc.**

**115 Hurley Rd #4B/C  
Oxford, CT 06478**



# BrightLink® 1485Fi 1080p 3LCD Interactive Laser Display



Product shown with  
mount, sold separately.

Projectors

Education

Bring collaboration to classrooms and meeting spaces with this interactive HD 1080p laser display<sup>1</sup>.

**Super bright** — 5,000 lumens color/white brightness<sup>2</sup>; 1080p Full HD laser display<sup>1</sup>

**Flexible image sizes** — projects large, 100", 16:9 or super-wide 120", 16:6 images — up to 95 percent more interactive space vs. a 75" flat panel

**Solid-state laser light source** — virtually maintenance-free 20,000-hour laser light source with no lamps<sup>3</sup>

**Easy installation** — automatic image adjustment and simplified calibration makes installation easier than ever before

**Digital whiteboard** — draw, save, print and email without a PC; share whiteboard content to other network-connected BrightLink projectors<sup>4</sup>

**Easy operation** — touch and pen-enabled interactivity<sup>5</sup> allows up to eight users to collaborate at once

**Improved cable management** — HDBaseT control pad supports, video, audio and interactive functions, reducing the number of cables and making installation a snap<sup>6</sup>

**Built-in wireless** — use free Epson iProjection™ software to connect, display and share content simultaneously to/from up to 50 connected devices<sup>7</sup>

**Connect with Miracast®** — supports software-free, peer-to-peer wireless connectivity

**SMART Learning Suite** — includes 1-year subscription and support for SMART Notebook®, SMART amp™, SMART lab™, SMART Learning Suite Online and more



**Specifications**

**Display System** Epson® 3LCD, 3-chip technology  
**Display Method** Ceiling/wall mount/table mount  
**Driving Method** Epson Poly-silicon TFT Active Matrix  
**Native Resolution** 1080p<sup>1</sup> (1366 x 768 x 2)  
**Resolution on Screen** 1080p<sup>1</sup> (2.1 million pixels)  
**Pixel Number** 1,049,000 pixels (1366 x 768) x 3 chips  
**Color Brightness<sup>2</sup>** Color Light Output: 5,000 lumens  
**White Brightness<sup>2</sup>** White Light Output: 5,000 lumens  
**Aspect Ratio** 16:9 (native), supports 4:3, 16:10, 16:6, 21:9  
**Size (Projected Distance) Area** (16:9) 65" – 100"  
**Keystone Correction (Manual)**  
 Horizontal: ± 3 degrees  
 Vertical: ± 3 degrees  
**USB Plug 'n Play** Mac® 10.7 or later; Windows Vista® or later  
**Contrast Ratio** Up to 2,500,000:1  
**Color Reproduction** Up to 1.07 billion colors  
**Illumination Technology** Laser Diode  
**Light Source Life<sup>3</sup>** 20,000 hours (Normal)  
 30,000 hours (Extended)

**Wireless Specifications**

**Supported Security Mode**  
 OPEN, WPA2/WPA3-PSK, WPA2/WPA3-EAP  
 Supported EAP Type PEAP, PEAP-TLS, EAP-TLS, EAP-Fast  
**Supported Speeds:**  
 IEEE 802.11b: 11 Mbps\* (2.4 GHz)  
 IEEE 802.11g: 54 Mbps\* (2.4 GHz)  
 IEEE 802.11n: 72.2 Mbps\* (2.4 GHz)  
 IEEE 802.11a: 54 Mbps\* (5 GHz)  
 IEEE 802.11n: 150 Mbps\* (5 GHz)  
 IEEE 802.11ac: 325 Mbps\* (5 GHz)  
 \*Maximum speed and range is achievable when used with the same Enhanced Mode technology. Actual data rates, features and performance may vary depending on your computer system, the environment and other factors.

**Projection Lens**

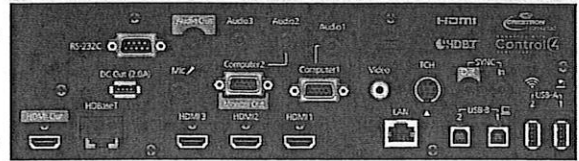
**Type** Manual focus  
**F-number** 1.50  
**Focal Length** 3.9 mm  
**Throw Ratio Range** (16:9) 0.27 – 0.37, (4:3) 0.37 – 0.50, (16:10) 0.30 – 0.42  
**Zoom Ratio** Digital zoom 1.0 – 1.35x

**Other**

**Speaker** 8 W x 2 stereo  
**Operating Temperature** 41° to 104°F (0° to 40°C)  
**Power Supply Voltage** 100 – 240 V ± 10%, 50/60 Hz  
**Power Consumption**  
 ECO Mode: 270 W  
 Normal Mode: 381 W  
 Standby (Communication On): 2.0 W  
 Standby (Communication Off): 0.5 W  
**Fan Noise**  
 Quiet Mode: 27 dB, Normal Mode: 36 dB  
**Security** Kensington lock provision, security anchor bar, password-protect function

**Interfaces**

**HDMI®:** 3  
 HDBaseT HDMI out: DS 1  
**Computer/Component Video:** 2x D-sub 15 pin  
**Composite Video:** 1x RCA (Yellow)  
**Audio In:** 3x Mini stereo  
**Audio Out:** 1x Mini stereo  
**Microphone in:** 1  
**USB Connector:** 2x Type B (USB display, audio and mouse, k/b control interactivity)  
**USB Connector:** 2x Type A (USB memory/document camera)  
 1x RJ-45  
**Serial:** 1x RS-232c  
**Monitor Out/Computer:** 1x D-sub 15 pin  
**Integrated Wireless LAN:** 802.11 b/g/n/ac  
**Interactive Synchronization Mini stereo In**  
**Interactive Synchronization Mini stereo Out**  
**Touch Unit Connection Port**



**Interactivity**

**Interactive Technology** Infrared, 850 nm  
**Interactive Area (Image Size)** 65" – 100" diagonal (16:9, 1080p)  
**Input Device** Digital pen or finger  
**Number of Pens** Two  
**Number of Pen Tips** Six (4x Felt/Soft Tip, 2x Teflon™ Hard Tip)  
**Pen Functions** Mouse functions (left and right click), Electronic pen, LED battery status indicator  
**Pen Specifications** Size: 6.3" (L) x 0.95" (W); Weight: 1.1 oz (without battery), Power: AA battery, Compatible Battery Types: AA x 1, Manganese dry cell, Alkaline dry cell, Panasonic eneloop® BK-3MCCx (The suffix "x" can be blank or A-Z), Calibration Method: Automatic or Manual  
**Interactive Modes**  
**Whiteboard Mode:** 2x pens and 6x fingers, PC-free Annotation Mode: 2x pens and 6x fingers, Computer Interactivity Mode, Easy Interactive Tools: 2x pens and 6x fingers  
**Requirements for Computer Interactivity**  
 Connection to the Computer: Via USB cable or wired/wireless LAN  
**Software System Compatibility:** Epson Easy Interactive Driver for Mac only; Windows® driver for Multi Projection; Windows (single projector) and Linux; No driver required  
**Mac:** Mac OS X® 10.7.x or later  
**Interactive Software Requirements** Epson Easy Interactive Driver (Mac and PC — required for DuoLink); Windows and Linux: driver not required Mac: Mac OS X 10.7/10.8/10.9/10.10/10.11/macOS 10.12.x Epson Easy Interactive Tools for Windows and Mac  
**System Compatibility** Microsoft® Windows Vista SP2 (All editions except for Starter), Windows 8/8.1, Windows 10, Windows 7 SP1 (All editions except for Starter) macOS® 10.7/10.8/10.9/10.10/10.11/macOS 10.12.x, UBUNTU 15.10, 16.04 LTS, 16.04, 18.04, 19.04

**Dimensions (W x D x H)**

**Including Feet** 18.1" x 14.3" x 8.3"  
**Weight** 21.4 lbs with cable cover (9.7 kg)

**Remote Control**

**Features** Source search, HDMI, Computer, LAN, USB, Power, Aspect, Color mode, Volume, E-zoom, A/V Mute, Freeze, Menu, Home, Auto, Enter, Esc, Pointer, User, Pen Mode, Split, Home, ID  
**Operating Angle**  
 Rear: Right/left: -55 to +55 degrees, Upper/lower: +75 to +15 degrees, Front: Right/left: -30 to +30 degrees, Upper/lower: 0 to +60 degrees  
**Operating Distance** 19.7 ft (6 m)

**HDBaseT Control Box**

**Functions** Projector On/Off, HDMI source switching, audio/video interactivity via CAT6, USB for PC-free saving  
**Dimensions** 7.75" H x 6.9" W x 1.5" D  
**Power** DC 12 V power supply  
**Supported Distance** 40 m (4k 30 fps) or 70 m (1080p<sup>1</sup> 60 fps) via CAT6 cable

**Eco Features**

Energy-efficient 3LCD light engine  
 RoHS compliant  
 Recyclable product<sup>9</sup>  
 Epson America, Inc. is a SmartWay® Transport Partner<sup>9</sup>

**Support**

**Service Programs** Two-year projector limited warranty, Epson Road Service program, PrivateLine® dedicated toll-free support

**What's in the Box**

BrightLink Pro 1485Fi, lens cover, rear cable cover, interactive touch module and cable, Quick Setup Guide, 6' power cable, USB A/B cable (x1), projector remote control with two AA batteries, HDBaseT control pad with power supply, pen holder, four (4) markers for auto screen adjustment, IR reflectors, two (2) interactive pens, battery charger and two (2) AA rechargeable batteries (for interactive pens), Warranty statement, SMART SLS redemption code

**Ordering Information**

|   |            |
|---|------------|
| BrightLink 1485Fi                       | V11H919520 |
| Air Filter                              | V13H134A56 |
| PowerLite® Pilot™ 3 (ELPCB03)           | V12H927020 |
| Pixie Plus (ELPSP10)                    |            |
| Document Camera (DC21)                  | V12H758020 |
| External Speakers (ELPSP02)             | V12H467020 |
| Wireless 802.11b/g/n LAN Unit (ELPAP11) | V12H005A02 |
| 100" Whiteboard 16:9 Aspect Ratio       | V12H006A02 |
| DaLite 100" IDEA Screen                 | V12H006A01 |
| Interactive Pen A (Orange)              | V12H773010 |
| Interactive Pen B (Blue)                | V12H774010 |
| Replacement Pen Tips (Hard/Teflon)      | V12H775010 |
| Replacement Pen Tips (Soft/Felt)        | V12H776020 |
| Ultra Short-throw Wall Mount (ELPMB62)  | V12HA06A05 |
| Finger Touch Module                     | V12H007A23 |
| Touch Module Bracket                    | V12HA05A09 |
| USB Extension Cable (ELPKC31)           | V12H525001 |

<sup>1</sup> Pixel shifting technology achieves Full HD resolution on screen. | <sup>2</sup> Color brightness (color light output) and white brightness (white light output) will vary depending on usage conditions. Color light output measured in accordance with IDMS 15.4; white light output measured in accordance with ISO 21118. | <sup>3</sup> No required maintenance for the light source for up to 20,000 hours. Approximate time until brightness decreases 50% from first usage. Measured by acceleration test assuming use of 0.04 – 0.20 mg/m<sup>3</sup> of particulate matter. Time varies depending on usage conditions and environment. Replacement of parts other than the light source may be required in a shorter period. | <sup>4</sup> BL-1485Fi and 1480Fi projectors only. Cannot share to earlier models. | <sup>5</sup> Requires Windows 7, Windows 8 or Mac OS X or later to recognize finger gestures. | <sup>6</sup> Supports maximum distance up to 229 feet (Cat6A/7; 1080p) and up to 131 feet (Cat6/7; 4k content) | <sup>7</sup> For wireless functionality, including via the Epson iProjection App, the projector must be configured on a network, either through the Ethernet port on the projector (check model specifications for availability) or via a wireless connection. Check your owner's manual to determine if a wireless LAN module must be purchased separately to enable a wireless connection. Not all Epson projectors are able to be networked. The Epson iProjection App does not support all files and formats. See www.epson.com for details. | <sup>8</sup> For convenient and reasonable recycling options, visit www.epson.com/recycle | <sup>9</sup> SmartWay is an innovative partnership of the U.S. Environmental Protection Agency that reduces greenhouse gases and other air pollutants and improves fuel efficiency.

Learn more about how our products can empower your institution. Visit us at [www.epson.com/foreducation](http://www.epson.com/foreducation)

Better Products for a Better Future®  
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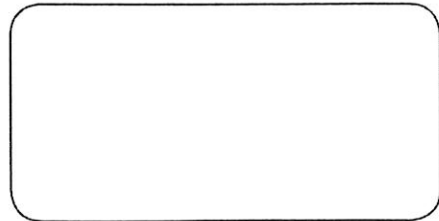
Epson America, Inc.  
 3840 Kilroy Airport Way, Long Beach, CA 90806

Epson Canada Limited  
 185 Renfrew Drive, Markham, Ontario L3R 6G3

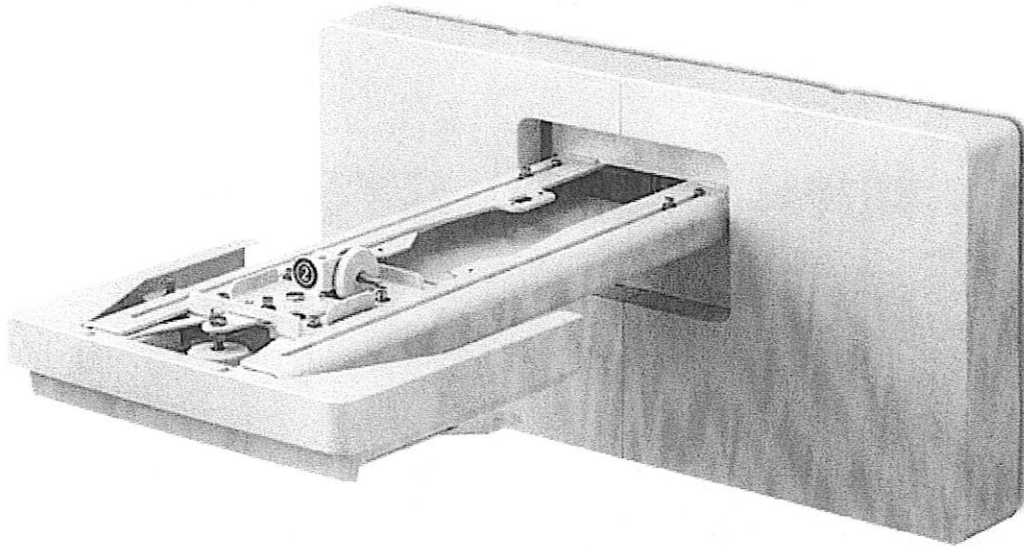
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**Contact:**



# Ultra-Short Throw Wall Mount ELPMB62



## Adjustable Wall Mount for Epson Ultra-Short Throw Laser Displays

Designed for use with select BrightLink/PowerLite Ultra-short throw displays, this ultra-short throw wall mount offers an easy, affordable solution for wall mounted displays. The wide mounting plate and telescopic extension arm offer convenient and flexible installation from 65 – 120" (varies by model). It's ultra-short throw design assures there is less shadow interference and glare, which ensures a more optimal presenting and viewing experience. It also features storage space inside the mount cover to allow for mounting of a mini-PC. See complete list of compatible displays below.

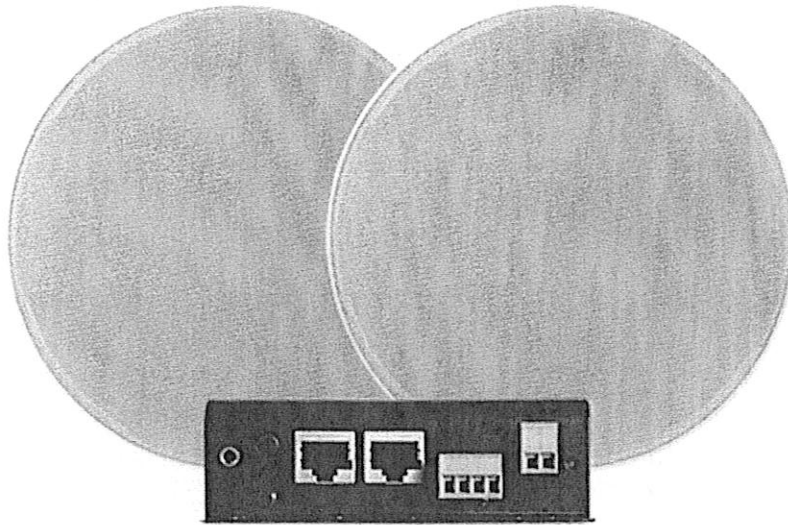
- **Model:** V12HA06A05
- **Easily adjustable** — two-position mount arm for projecting 16:9 content from 65 to 100 inches, or 16:6 content up to 120 inches (BrightLink 1485Fi)
- **Everything you need** — includes all necessary tools and screws for assembly



## MINI MEDIA SYSTEM



Compatible with



The Mini Media System is designed to complement projectors or flat panel displays by providing high quality playback of multimedia audio. The CA-30A amplifier distributes music and other auxiliary sound throughout a classroom at an affordable price.

With the Mini Media System's small design, the CA-30A and CS-12 speakers leave the classroom clear of wires. Once added to your classroom, upgrading your classroom to get all the benefits of Audio Enhancement is quick and simple. Just plug in the Audio Enhancement XD Receiver to the CA-30A Amplifier, turn on the microphone, and talk!



Bruce Politz  
AUDIO VISUAL TECHNOLOGY SALES  
b.politz@escontrols.com

PHONE 860.953.8800  
CELL 860.559.8135  
FAX 860.953.1094

18 JANSEN COURT • WEST HARTFORD, CT 06110  
www.escontrols.com

# PROPOSAL



The Town of  
**Ledyard** Connecticut

## Ledyard Public Schools Interactive Projector Bid LPS 22-1

**PRESENTED TO:**  
Wayne Donaldson  
Ledyard Public Schools  
4 Blonders Blvd  
Ledyard CT 06339

**PREPARED BY:**  
Bruce Politz  
Audio Visual Technology Sales  
860-953-8800  
860-559-8135 (cell)  
[b.politz@escontrols.com](mailto:b.politz@escontrols.com)

**DATE:**  
February 10, 2022

**ESC** Environmental  
Systems  
Corporation

18 JANSEN COURT • WEST HARTFORD, CT 06110  
www.escontrols.com



BUILDING  
AUTOMATION



SECURITY



LIFE SAFETY



ENERGY  
SOLUTIONS



AUDIO VISUAL



MECHANICAL  
SERVICES

February 10, 2022

RE: Bid LPS 22-1 Interactive Projector/TV Bid

Please find the attached bid forms for our proposal for bid # LPS 22-1. This bid is good for 90 Days from Bid opening on February 11, 2022.

Our total proposal is for \$50,088.00



Sincerely,

Bruce Politz

Audio Visual Technology Sales

Environmental Systems Corporation

18 Jansen Court, West Hartford, CT 06110

Cell: 860-559-8135 | Work: 860-953-8800

## Exclusions

1. Price does not include tax, bond, permit fees or special shipping
2. Price is valid for 30 days
3. Material price increases after order but prior to material release may be an additional cost

---

## Terms & Conditions

The information contained in this proposal is proprietary and confidential to Environmental Systems Corporation, (ESC) and is offered solely for your own use and evaluation. We intend to maintain the confidentiality of any information you have provided us, and we require that this proposal be kept in strict confidence and that it not be disclosed to any outside party for any other purpose.

1. Project or Repair services provided under this agreement will be performed during normal working hours unless otherwise noted. Normal working hours are defined as 7:00am to 3:30pm, Monday through Friday inclusive, excluding holidays.
2. Reasonable and safe means of access to the equipment being serviced shall be provided to ESC. ESC shall be permitted to start and stop all equipment necessary to perform its services. If any of the equipment requiring service is considered unsafe, the client will be required to properly correct the unsafe condition before ESC will proceed with the service. ESC shall be permitted to the use of the buildings fixed ladders, mops etc.
3. The guarantees and services provided under the scope of this agreement are conditioned upon the Client properly operating and maintaining the system. Client will do so in accordance with industry accepted practices. This proposal does not include responsibility for poor system design, undeclared or hidden conditions, system obsolescence or equipment beyond its reasonable life.
4. Client agrees to pay invoices within thirty (30) days of receipt. ESC reserves the right to cancel this and/or stop work under this agreement without notice, should payment become sixty (60) days or more delinquent.
5. Client agrees to pay in advance for material, equipment and engineering costs necessary for the start of the project.
6. ESC shall not be liable for any loss, delay, injury or damage that may be caused by circumstances beyond its control including, but not restricted to acts of God, war, civil commotion, acts of government, fire, theft, corrosion, flood, lightning, power fluctuation, freeze-ups, strikes, lockouts, differences with workmen, riots, explosions, quarantine restrictions, delays in transportation, fuel, labor or materials, or malicious mischief.
7. In no event shall ESC be liable for business interruption losses or consequential or speculative damages, but this sentence shall not relieve ESC of liability for damage to property or injury to persons resulting from accidents caused directly by the negligence of ESC in performance or failure of its obligations under this agreement.
8. In the unlikely event of failure to perform its obligations, ESC's liability is limited to repair or replacement at its option and such shall be Client's sole remedy. Under no circumstances will ESC be responsible for loss of use, loss of profits, increased maintenance or operating costs, claims of clients or client's tenants, or any special, indirect or consequential damages.
9. ESC shall warranty all workmanship and labor for one year after the project's completion date and all parts and material shall be covered by manufactures warranties.
10. Any alteration or deviation from specifications above involving extra cost will be executed only by written orders and will become an extra charge over and above the estimate. This proposal may be withdrawn by Environmental Systems Corporation if not accepted within 30 days.
11. ESC is not responsible for the Identification, Abatement or the removal of asbestos or any other toxic or hazardous substances, waste or materials. In the event such hazardous conditions are found, the sole obligation of ESC is to notify the customer or owner of the hazards. ESC shall have the right to suspend its work until such hazards are removed. The completion time of the work shall be extended and the contract price be equitably adjusted as necessary.
12. In the event either party must commence a legal action in order to enforce any right under this contract, the successful party shall be entitled to all court costs and reasonable attorney's fees as determined by the court for prosecuting and defending the claim.
13. If required, customer shall be responsible for paying all applicable taxes both state, local and permit fees.
14. ESC requests to be notified of any alterations, additions, adjustments, or repairs that are made by others.
15. Work necessitated by present or future requirements by governments or insurance companies are not included.



## LPS-22-1 Bid Sheet Projectors

Please specify specific models numbers for ancillary equipment

| Component | Quantity | Cost | Total |
|-----------|----------|------|-------|
|-----------|----------|------|-------|

|                             |         |                       |                          |
|-----------------------------|---------|-----------------------|--------------------------|
| Epson 1485 fii HD projector | 10      | 2,850                 | 28,500. <sup>00</sup>    |
| Wall mounted Control panel  | 10      | included              | —                        |
| Ceiling speakers 2 per Proj | 10 pair | 370. <sup>00</sup>    | 3,700. <sup>00</sup>     |
| EPSON Proj mount            | 10      | 109. <sup>00</sup>    | 1,090. <sup>00</sup>     |
| Installation Equipment      | 10      | 149                   | 1,490. <sup>00</sup>     |
| Cable, wire mold, bolts etc |         |                       |                          |
|                             |         |                       |                          |
|                             |         |                       |                          |
|                             |         |                       |                          |
|                             |         |                       |                          |
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|                             |         |                       |                          |
|                             |         |                       |                          |
|                             |         |                       |                          |
|                             |         |                       |                          |
| Labor                       | 1       | 15,308. <sup>00</sup> | 15,308. <sup>00</sup>    |
| Total                       |         |                       | \$ 50,088. <sup>00</sup> |

Bid good for 90 Days

Bid by Environmental ~~Systems~~  
 Systems  
 Corporation

Bruce Politz  
 860-559-8135



Please provide pricing for possible future change orders.

|                               |            |
|-------------------------------|------------|
| Hourly labor rate             | 1189.00 hr |
| Parts discount off list price |            |
| Design                        | 89.00 hr   |
|                               |            |

Town bid list is for an apples to apples comparison. Bidders are responsible to ensure that their bids include all equipment, wiring and labor to complete the project. Omissions on the material list provided for the bid are the bidders responsibility. Additional equipment needed should be added to the list and pricing provided. The successful bidder will be required to certify that all employees working on the project do not have any criminal backgrounds or are on a sex offender list. Access to the site during the installation period will be during normal business hours. Other hours can be offered if needed to complete the project on time at the contractors expense.

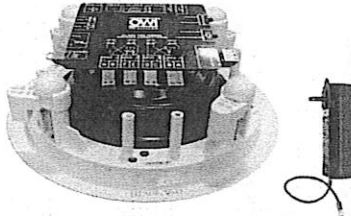
End of Bid Document

Bid by ESC  
Bruce Politz

# SELF POWERED SPEAKER/AMPLIFIER

3 Source, 6", Integratable

ARCHITECTS AND ENGINEERS  
SPECIFICATIONS / TECHNICAL DATA



## GENERAL SPECIFICATIONS

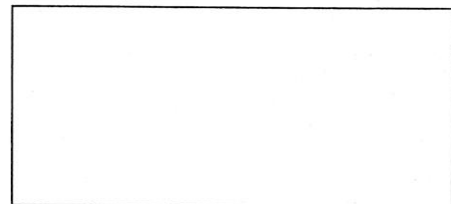
| MODEL NUMBER:                        | AMP-HD2SIC6                          |
|--------------------------------------|--------------------------------------|
| <b>ELECTRICAL AMPLIFIER:</b>         |                                      |
| Input voltage, nominal               | (25 watts) 15 volts DC               |
| Input current, operating (15VDC)     | 1.45 amperes peak                    |
| Input volt-amperes, peak (15VDC)     | 22 volt-amperes                      |
| Input voltage, maximum               | 16.5 volts, DC                       |
| <b>Frequency Response,</b>           |                                      |
| EQ set to flat                       | 20Hz to 20 kHz                       |
| Bass                                 | ±10dB@50Hz                           |
| Treble                               | ±10dB@10kHz                          |
| THD + Noise                          | <1% at 13.5 watts, "A" weighted      |
| S/N                                  | >82 dB                               |
| Max Power Output (28V in)            | 40 watts                             |
| DC Power, Standby                    | 1.4 watts                            |
| AC Power, Sleep Mode                 | 1.4 watts                            |
| <b>DC Power,</b>                     |                                      |
| Short Circuit protected              | Yes                                  |
| Over current protected               | Yes                                  |
| Over voltage protected               | Yes                                  |
| Over temperature protected           | Yes                                  |
| Minimum Load Impedance               | 4.0 Ω (Two 8 Ω Speakers in parallel) |
| Minimum Input impedance, Priority in | 10,000 Ω                             |
| Minimum Input impedance, RJ45 in     | 150,000 Ω                            |
| Minimum Input impedance, mini-jack   | 37,000 Ω                             |
| Min. Input Impedance, Mini-Jack:     | 2300 Ω                               |
| <b>Woofer Size:</b>                  |                                      |
| Woofer Size:                         | 6.5 Inches                           |
| Weight of Amplifier/Speaker:         | 3.15 Lbs.                            |
| Height of Amplifier/Speaker:         | 4.5 Inches                           |
| Backcan:                             | UL Listed Enclosure (Available)      |
| Tile Bridge:                         | UL Listed Support Truss (Available)  |
| Warranty:                            | 1 Year                               |

\*\*Mechanical "UL Rating" is dependent upon use of the Backcan and Tile Bridge.

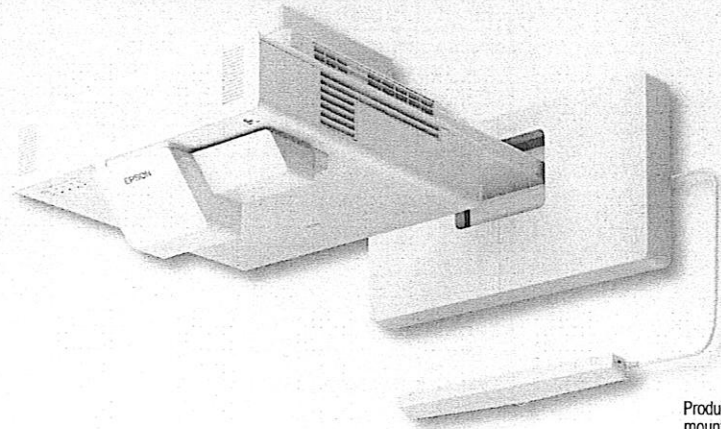
Note: Maximum power requires the replacement of the 15 Volt supply with a 22 Volt supply and Energy Star and UL approvals no longer apply.



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E-mail: info@owi-inc.com



# BrightLink<sup>®</sup> 1485Fi 1080p 3LCD Interactive Laser Display



Product shown with  
mount, sold separately.

Projectors

Education

Bring collaboration to classrooms and meeting spaces with this interactive HD 1080p laser display<sup>1</sup>.

**Super bright** — 5,000 lumens color/white brightness<sup>2</sup>; 1080p Full HD laser display<sup>1</sup>

**Flexible image sizes** — projects large, 100", 16:9 or super-wide 120", 16:6 images — up to 95 percent more interactive space vs. a 75" flat panel

**Solid-state laser light source** — virtually maintenance-free 20,000-hour laser light source with no lamps<sup>3</sup>

**Easy installation** — automatic image adjustment and simplified calibration makes installation easier than ever before

**Digital whiteboard** — draw, save, print and email without a PC; share whiteboard content to other network-connected BrightLink projectors<sup>4</sup>

**Easy operation** — touch and pen-enabled interactivity<sup>5</sup> allows up to eight users to collaborate at once

**Improved cable management** — HDBaseT control pad supports, video, audio and interactive functions, reducing the number of cables and making installation a snap<sup>6</sup>

**Built-in wireless** — use free Epson iProjection™ software to connect, display and share content simultaneously to/from up to 50 connected devices<sup>7</sup>

**Connect with Miracast<sup>®</sup>** — supports software-free, peer-to-peer wireless connectivity

**SMART Learning Suite** — includes 1-year subscription and support for SMART Notebook<sup>®</sup>, SMART amp™, SMART lab™, SMART Learning Suite Online and more



**Specifications**

**Display System** Epson<sup>®</sup> 3LCD, 3-chip technology  
**Display Method** Ceiling/wall mount/table mount  
**Driving Method** Epson Poly-silicon TFT Active Matrix  
**Native Resolution** 1080p<sup>1</sup> (1366 x 768 x 2)  
**Resolution on Screen** 1080p<sup>1</sup> (2.1 million pixels)  
**Pixel Number** 1,049,000 pixels (1366 x 768) x 3 chips  
**Color Brightness<sup>2</sup>** Color Light Output: 5,000 lumens  
**White Brightness<sup>2</sup>** White Light Output: 5,000 lumens  
**Aspect Ratio** 16:9 (native), supports 4:3, 16:10, 16:6, 21:9  
**Size (Projected Distance) Area** (16:9) 65" – 100"  
**Keystone Correction (Manual)**  
 Horizontal: ± 3 degrees  
 Vertical: ± 3 degrees  
**USB Plug 'n Play Mac<sup>®</sup>** 10.7 or later; Windows Vista<sup>®</sup> or later  
**Contrast Ratio** Up to 2,500,000:1  
**Color Reproduction** Up to 1.07 billion colors  
**Illumination Technology** Laser Diode  
**Light Source Life<sup>3</sup>** 20,000 hours (Normal)  
 30,000 hours (Extended)

**Wireless Specifications**

**Supported Security Mode**  
 OPEN, WPA2/WPA3-PSK, WPA2/WPA3-EAP  
**Supported EAP Type** PEAP, PEAP-TLS, EAP-TLS, EAP-Fast  
**Supported Speeds:**  
 IEEE 802.11b: 11 Mbps\* (2.4 GHz)  
 IEEE 802.11g: 54 Mbps\* (2.4 GHz)  
 IEEE 802.11n: 72.2 Mbps\* (2.4 GHz)  
 IEEE 802.11a: 54 Mbps\* (5 GHz)  
 IEEE 802.11n: 150 Mbps\* (5 GHz)  
 IEEE 802.11ac: 325 Mbps\* (5 GHz)  
 \*Maximum speed and range is achievable when used with the same Enhanced Mode technology. Actual data rates, features and performance may vary depending on your computer system, the environment and other factors.

**Projection Lens**

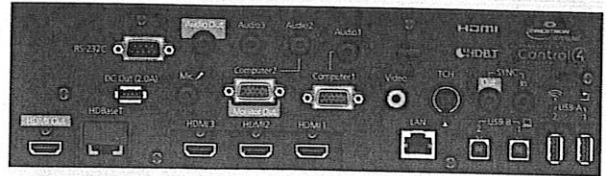
**Type** Manual focus  
**F-number** 1.50  
**Focal Length** 3.9 mm  
**Throw Ratio Range** (16:9) 0.27 – 0.37, (4:3) 0.37 – 0.50, (16:10) 0.30 – 0.42  
**Zoom Ratio** Digital zoom 1.0 – 1.35x

**Other**

**Speaker** 8 W x 2 stereo  
**Operating Temperature** 41° to 104° F (0° to 40° C)  
**Power Supply Voltage** 100 – 240 V ± 10%, 50/60 Hz  
**Power Consumption**  
 ECO Mode: 270 W  
 Normal Mode: 381 W  
 Standby (Communication On): 2.0 W  
 Standby (Communication Off): 0.5 W  
**Fan Noise**  
 Quiet Mode: 27 dB, Normal Mode: 36 dB  
**Security** Kensington lock provision, security anchor bar, password-protect function

**Interfaces**

HDMI<sup>®</sup>: 3  
 HDBaseT HDMI out: DS 1  
 Computer/Component Video: 2x D-sub 15 pin  
 Composite Video: 1x RCA (Yellow)  
 Audio In: 3x Mini stereo  
 Audio Out: 1x Mini stereo  
 Microphone in: 1  
 USB Connector: 2x Type B (USB display, audio and mouse, k/b control interactivity)  
 USB Connector: 2x Type A (USB memory/document camera)  
 1x RJ-45  
 Serial: 1x RS-232c  
 Monitor Out/Computer: 1x D-sub 15 pin  
 Integrated Wireless LAN: 802.11 b/g/n/ac  
 Interactive Synchronization Mini stereo In  
 Interactive Synchronization Mini stereo Out  
 Touch Unit Connection Port



**Interactivity**

**Interactive Technology** Infrared, 850 nm  
**Interactive Area (Image Size)** 65" – 100" diagonal (16:9, 1080p)  
**Input Device** Digital pen or finger  
**Number of Pens** Two  
**Number of Pen Tips** Six (4x Felt/Soft Tip, 2x Teflon<sup>™</sup> Hard Tip)  
**Pen Functions** Mouse functions (left and right click), Electronic pen, LED battery status indicator  
**Pen Specifications** Size: 6.3" (L) x 0.95" (W); Weight: 1.1 oz (without battery), Power: AA battery, Compatible Battery Types: AA x 1, Manganese dry cell, Alkaline dry cell, Panasonic eneloop<sup>®</sup> BK-3MCCx (The suffix "x" can be blank or A-Z), Calibration Method: Automatic or Manual  
**Interactive Modes**  
 Whiteboard Mode: 2x pens and 6x fingers, PC-free Annotation Mode: 2x pens and 6x fingers, Computer Interactivity Mode, Easy Interactive Tools: 2x pens and 6x fingers  
**Requirements for Computer Interactivity**  
 Connection to the Computer: Via USB cable or wired/wireless LAN  
 Software System Compatibility: Epson Easy Interactive Driver for Mac only; Windows<sup>®</sup> driver for Multi Projection; Windows (single projector) and Linux: No driver required  
 Mac: Mac OS X<sup>®</sup> 10.7.x or later  
**Interactive Software Requirements** Epson Easy Interactive Driver (Mac and PC — required for DuoLink); Windows and Linux: driver not required Mac: Mac OS X 10.7/10.8/10.9/10.10/10.11/macOS 10.12.x Epson Easy Interactive Tools for Windows and Mac  
**System Compatibility** Microsoft<sup>®</sup> Windows Vista SP2 (All editions except for Starter), Windows 8/8.1, Windows 10, Windows 7 SP1 (All editions except for Starter) macOS<sup>®</sup> 10.7/10.8/10.9/10.10/10.11/macOS 10.12.x, UBUNTU 15.10, 16.04 LTX, 16.04, 18.04, 19.04

**Dimensions (W x D x H)**

**Including Feet** 18.1" x 14.3" x 8.3"  
**Weight** 21.4 lbs with cable cover (9.7 kg)

**Remote Control**

**Features** Source search, HDMI, Computer, LAN, USB, Power, Aspect, Color mode, Volume, E-zoom, A/V Mute, Freeze, Menu, Home, Auto, Enter, Esc, Pointer, User, Pen Mode, Split, Home, ID  
**Operating Angle**  
 Rear: Right/left: -55 to +55 degrees, Upper/lower: +75 to +15 degrees, Front: Right/left: -30 to +30 degrees, Upper/lower: 0 to +60 degrees  
**Operating Distance** 19.7 ft (6 m)

**HDBaseT Control Box**

**Functions** Projector On/Off, HDMI source switching, audio/video/interactivity via CAT6, USB for PC-free saving  
**Dimensions** 7.75" H x 6.9" W x 1.5" D  
**Power** DC 12 V power supply  
**Supported Distance** 40 m (4k 30 fps) or 70 m (1080p<sup>1</sup> 60 fps) via CAT6 cable

**Eco Features**

Energy-efficient 3LCD light engine  
 RoHS compliant  
 Recyclable product<sup>9</sup>  
 Epson America, Inc. is a SmartWay<sup>®</sup> Transport Partner<sup>8</sup>

**Support**

**Service Programs** Two-year projector limited warranty, Epson Road Service program, PrivateLine<sup>®</sup> dedicated toll-free support

**What's in the Box**

BrightLink Pro 1485Fi, lens cover, rear cable cover, interactive touch module and cable, Quick Setup Guide, 6" power cable, USB A/B cable (x1), projector remote control with two AA batteries, HDBaseT control pad with power supply, pen holder, four (4) markers for auto screen adjustment, IR reflectors, two (2) interactive pens, battery charger and two (2) AA rechargeable batteries (for interactive pens), Warranty statement, SMART SLS redemption code

**Ordering Information**

|   |            |
|---|------------|
| BrightLink 1485Fi                                     | V11H919520 |
| Air Filter  | V13H134A56 |
| PowerLite <sup>®</sup> Pilot <sup>™</sup> 3 (ELPCB03) | V12H927020 |
| Pixie Plus (ELPSP10)                                  |            |
| Document Camera (DC21)                                | V12H758020 |
| External Speakers (ELPSP02)                           | V12H467020 |
| Wireless 802.11b/g/n LAN Unit (ELPAP11)               | V12H005A02 |
| 100" Whiteboard 16:9 Aspect Ratio                     | V12H006A02 |
| DaLite 100" IDEA Screen                               | V12H006A01 |
| Interactive Pen A (Orange)                            | V12H773010 |
| Interactive Pen B (Blue)                              | V12H774010 |
| Replacement Pen Tips (Hard/Teflon)                    | V12H775010 |
| Replacement Pen Tips (Soft/Felt)                      | V12H776020 |
| Ultra Short-throw Wall Mount (ELPMB62)                | V12HA06A05 |
| Finger Touch Module                                   | V12H007A23 |
| Touch Module Bracket                                  | V12HA05A09 |
| USB Extension Cable (ELPKC31)                         | V12H525001 |

1 Pixel shifting technology achieves Full HD resolution on screen. | 2 Color brightness (color light output) and white brightness (white light output) will vary depending on usage conditions. Color light output measured in accordance with IDMS 15.4; white light output measured in accordance with ISO 21118. | 3 No required maintenance for the light source for up to 20,000 hours. Approximate time until brightness decreases 50% from first usage. Measured by acceleration test assuming use of 0.04 - 0.20 mg/m<sup>3</sup> of particulate matter. Time varies depending on usage conditions and environment. Replacement of parts other than the light source may be required in a shorter period. | 4 BL1485Fi and 1480Fi projectors only. Cannot share to earlier models. | 5 Requires Windows 7, Windows 8 or Mac OS X or later to recognize finger gestures. | 6 Supports maximum distance up to 229 feet (Cat6A/7; 1080p) and up to 131 feet (Cat6A/7; 4K content) | 7 For wireless functionality, including via the Epson iProjection App, the projector must be configured on a network, either through the Ethernet port on the projector (check model specifications for availability) or via a wireless connection. Check your owner's manual to determine if a wireless LAN module must be purchased separately to enable a wireless connection. Not all Epson projectors are able to be networked. The Epson iProjection App does not support all files and formats. See [www.epson.com](http://www.epson.com) for details. | 8 For convenient and reasonable recycling options, visit [www.epson.com/recycle](http://www.epson.com/recycle) | 9 SmartWay is an innovative partnership of the U.S. Environmental Protection Agency that reduces greenhouse gases and other air pollutants and improves fuel efficiency.

Learn more about how our products can empower your institution. Visit us at [www.epson.com/foreducation](http://www.epson.com/foreducation)

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**Contact:**

