TOWN OF SOUTH KINGSTOWN
ZONING BOARD OF REVIEW APPLICATION

1. APPLICANT INFORMATION:
Applicant Name: Aliens Health Center Inc.  Name of Primary Contact if Organization: Andrew Piro
Applicant Address: 359 Broad Street, Providence, RI 02908
Applicant Phone: 401-751-3800
Applicant Email: apiro@holtdri.com

2. OWNER INFORMATION:
Owner Name: Aliens Health Center Inc  Owner Phone: 401-751-3800
Owner Address: 2115 South County Trail, West Kingston, RI 02892

3. PROJECT INFORMATION:
Physical Address: 2115 South County Trail  Assessor’s Plat: 9  Assessor’s Lot: 59  Zoning District: R80
Required Zoning Setbacks: Front yard ______ Rear Yard ______ Side Yard Right ______ Side Yard Left ______ Corner Side Yard ______

4. APPLICATION FOR:
Special Use Permit ______ Dimensional Variance ______ Use Variance ______ Dimensional Modification by Zoning Officer ______

5. LOT SPECIFICATIONS:
Lot Frontage: 618' ft.  Lot Depth: 404' ft.  Lot Area: 198,066 sq ft.

6. USE OF PREMISES:
Present Use: ______  # of families: ______  Proposed Use: ______  # of families: ______

7. EXISTING STRUCTURES:
Number of Existing Buildings or Structures Present: 1
Size of Existing Structures: 35 sf; 35 sf; 35 sf; 35 sf
Distance from Property Lines of Existing Structures:

<table>
<thead>
<tr>
<th>Structures</th>
<th>Structure 1</th>
<th>Structure 2</th>
<th>Structure 3</th>
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<tbody>
<tr>
<td>Front Yard</td>
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<td>______ ft.</td>
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<tr>
<td>Rear Yard</td>
<td>______ ft.</td>
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<td>Side Yard Right</td>
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<tr>
<td>Side Yard Left</td>
<td>______ ft.</td>
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<tr>
<td>Corner Side Yard</td>
<td>______ ft.</td>
<td>______ ft.</td>
<td>______ ft.</td>
<td>______ ft.</td>
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</table>

8. WATER AND SOLID WASTE
Water: Town Water ______  Well ______  Other ______
Waste: Town Sewer ______  Septic ______  Other ______
9. SIZE OF PROPOSED BUILDINGS/ADDITIONS:
Total Square Feet: 911 sf. Width: 31'-0" sf. Length: 31'-0" sf.
Height Above Grade: 1'-0" ft. Number of Stories: 1

10. IF DIMENSIONAL RELIEF IS SOUGHT INDICATE THE DISTANCE REQUESTED:
Front Yard: n/a Rear: n/a Side Yard Right: n/a
Side Yard Left: n/a Corner Side Yard: n/a Height: n/a

11. PROVISION OF THE ZONING ORDINANCE FROM WHICH RELIEF IS SOUGHT:
Section and Use (if known): Section 200C and Section 203

12. DESCRIBE THE EXTENT OF PROPOSED ALTERATIONS, STATE REASONS WHY YOU ARE REQUESTING RELIEF:
South Kingston Nursing and Rehab is currently a lawful nonconforming use, per section 203.2a. The scope of work includes the addition to the basement level of 911 sf and is only 2.5% of the current building square footage and does not exceed 50% in excess of the existing floor area. The reason for the addition is to house a larger fire suppression water storage tank and pump as required for compliance with NFPA for fire suppression coverage in the facility.

ZONING BOARD OF REVIEW RULES OF PROCEDURE ITEM K: "Reports from expert witnesses should be submitted with the application or ten (10) days prior to the hearing to give the Zoning Board sufficient review time. If a report is submitted at the time of the hearing, the Chairman may rule on whether the Zoning Board will continue to another meeting to give the Zoning Board time to review the reports."

Preparation of this Application and all necessary documentation is the sole responsibility of the Applicant. Town Staff's help in preparations of any facet of this applications, including abutter's list is for assistance only. The staff cannot give the applicant advice on the merits of the application nor can they render legal opinions.

The undersigned declares that the information given herein is a true statement to the best of his/her knowledge and belief.

Applicant Signature(s)

Applicant(s) Printed Name: Alani Health Center Inc. Date: 10/15/2021

Attorney / Other (If applicable) Date:

Office Use Only

Received By: Payment Amt. Check # Legal Notice Mailed: Cert. Receipts Received:
OWNER/AUTHORIZED AGENT AUTHORIZATION FORM

The Owner/Authorized Agent Authorization Form must be completed in full and returned to the Office of the Building and Zoning Official for the Town of South Kingstown along with the Zoning Board of Review Application. Failure to submit this form will delay your application being processed.

I, Kevin Ryan ___________________________ hereby certify that I am the owner / authorized agent of the property designated as Plat 9, Lot 59, as shown on the Town of South Kingstown Tax Assessor Maps. I further certify that I am the owner / authorized agent of the developmental rights for this property.

I hereby authorize and am in agreement with the application signed by Aliera Health Center Inc. (applicant), for the requested relief or use of the subject property. Said application is to be submitted to the Office of the Building and Zoning Official of the Town of South Kingstown for review and decision by the Zoning Board of Review.

Witness its name this 15th day of October 2021.

By: ___________________________ Signature of Owner/Authorized Agent

STATE OF RHODE ISLAND
County of Providence

In October on the 15th day of 2021, before me personally appeared Kevin Ryan (name) to me known and known by me to the party executing the foregoing instrument and acknowledged said instrument, by him/her executed to be his/her free act and deed, as ___________________________ (individual, corporation, trustee, partnership, non-profit, etc.)

Notary Public: Michelle C. Santina
My Commission Expires: 5/17/2025

Notary Seal: Town of South Kingstown Zoning Board of Review
<table>
<thead>
<tr>
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<th>REM_MBL LOCATION</th>
<th>SUB_OWN_NAME</th>
<th>SUB_CO_OWN_NAME</th>
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FIRE PUMP AND TANK
EXPANSION

2115 SOUTH COUNTY TRAIL
WEST KINGSTOWN, RI

DRAWING LIST

SHEET 1 - EXISTING CONDITIONS
SHEET 2 - PROPOSED OVERALL PLAN
SHEET 3 - PROPOSED FLOOR PLANS
SHEET 4 - PROPOSED ELEVATIONS
SHEET 5 - PROPOSED SECTIONS

CIVIL

COVER
SP-1 SPECIAL PERMIT OVERALL EXISTING CONDITIONS PLAN
SP-2 SPECIAL PERMIT OVERALL DEVELOPMENT PLAN
C-1 BASEMENT ADDITION SITE PLAN
C-2 BASEMENT ADDITION DRAINAGE & ESC PLAN
C-3 BASEMENT ADDITION CONSTRUCTION DETAILS
C-4 BASEMENT ADDITION GENERAL NOTES & LEGEND

REFERENCE PLAN

ALTA / ATSM LAND TITLE SURVEY

AUGUST 27, 2021
RGB #6611
OVERALL MAIN LEVEL PLAN

SOUTH KINGSTOWN NURSING AND REHABILITATION
OVERALL MAIN LEVEL PLAN

PROPOSED ADDITION INFORMATION
EXISTING BUILDING AREA = 35,003 SF
PROPOSED ADDITION AREA = 911 SF
TOTAL PROPOSED BUILDING AREA = 36,914 SF

AREA OF WORK
GROUND FLOOR

NOT TO SCALE

CLIENT: SOUTH KINGSTOWN NURSING AND REHABILITATION CENTER
PROJECT NO. 6811
2116 S COUNTY TRAIL, WEST KINGSTOWN, RI 02892
DATE: 08.27.2021

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50 Holden Street, Providence, RI 02908 t: 401 272 1730 www.rgb.net
SITE PLANS
FOR
SOUTH KINGSTOWN NURSING & REHABILITATION CENTER
BASEMENT ADDITION

A.P. 9, LOT 59
2115 SOUTH COUNTY TRAIL
SOUTH KINGSTOWN, RHODE ISLAND 02892

DATE: AUGUST, 2021

OWNER / APPLICANT:
HEALTH CONCEPTS, LTD.
359 BROAD STREET
PROVIDENCE, RHODE ISLAND 02907

PREPARED BY:

1 OF 7 SHEETS
RE: DEVELOPMENT PLAN REVIEW (ADVISORY TO THE ZONING BOARD) – Health Concepts, Ltd.,
proposed construction of a 961 square foot basement addition to house utilities and storage space,
AP 9, Lot 59, located at 2115 South County Trail

Dear Mr. Piro,

At the meeting of the South Kingstown Planning Board held on September 28, 2021 the Board voted as
follows:

"The South Kingstown Planning Board hereby grants advisory Development Plan approval to Health
Concepts, Ltd. for the construction of a 960 square foot addition for fire pump and tank expansion
and associated improvements on Assessor’s Plat 9, Lot 59 located at 2115 South County Trail, Health
Concepts, Ltd., applicant/owner. Development Plan approval for this application is based upon plans
titled Site Plans for South Kingstown Nursing & Rehabilitation Center Basement Additions, A-P-9, Lot
59, 2115 South County Trail, South Kingstown, Rhode Island, 02892, Sheets SP-1 & SP-2, and Sheets
C-1 through C-4, dated August 2021, completed by Garofalo & Associates, Inc., Joe Cassell Engineering,
Inc., 85 Corliss Street, P.O. Box 6145, Providence, RI 02940.

This approval is based upon the following Findings of Fact and Conditions of Approval:

Findings of Fact

A. The granting of approval will not result in conditions inimical to the public health, safety,
and welfare.

B. With the required Conditions of Approval, the granting of such approval will not
substantially or permanently injure the appropriate use of the property in the
surrounding area or zoning district.

C. With the required Conditions of Approval, the plans for the project comply with all the
requirements of the Zoning Ordinance and the Subdivision and Land Development
Regulations.

D. The plans for the project are consistent with the Comprehensive Community Plan.

E. Any conditions or restrictions that are necessary to ensure that these findings have been
met have been incorporated into this approval."
In addition to the Development Plan Review standards listed above, the Planning Board further finds that:

F. The requested use at the proposed location is sufficiently buffered in relation to any residential area in the immediate vicinity so as not to adversely affect said area.

G. The exterior appearance of the structure is consistent with the exterior appearance of existing structures within the immediate neighborhood, so as to prevent blight or deterioration, or substantial diminishment or impairment of property values within the neighborhood.

Conditions of Approval

1. Approval is conditioned upon the applicant obtaining the required Special Use Permit from the Zoning Board of Review.

2. Any lighting associated with egress improvements shall be dark sky compliant;

3. This project shall be required to be approved by the State Fire Marshall as a state regulated facility prior to issuance of a building permit;

4. All stormwater features shall be designed to meet the requirements for 25-year storm;

5. Development of the site shall be in strict conformance with the approved site plan, unless amended by these conditions of approval.

6. The applicant shall obtain all required local and State permits prior to commencing any site improvements and obtaining a Certificate of Use or Occupancy.

Respectfully,

Maria Mack, Chair
Planning Board
At the meeting of the South Kingstown Technical Review Committee (TRC) held on September 8, 2021, the TRC reviewed the Health Concepts, Ltd. Development Plan Review application located at 2115 South County Trail (AP 9, Lot 59) requesting to build a 911 square foot utility building addition (for fire pump and tank expansion) onto the existing structure.

Upon review and discussion with the applicant’s architect, Jason labucc! from RGB architects and Sam Hemmenway from Garofolo & Associates, the TRC granted conditional approval of the application with the following conditions subject to confirmation by the Planning Board:

1. The applicant shall receive a Special Use Permit from the Zoning Board for this care facility in an R80 residential zone;
2. Any lighting associated with egress improvements shall be dark sky compliant;
3. Required to be approved by the State Fire Marshall as a state regulated facility prior to issuance of a building permit;
4. Stormwater features must be designed to meet the requirements for 25-year storm;

Said motion was made by Mr. Jamie Gorman, duly seconded by Mr. Jon Schock, and was approved unanimously (R. Bourjouannais; J. Gorman; C. Hiener; M. Mack; J. Rablitt; M. Talbot-Rabuano; and J. Schock).

Respectfully,

[Signature]

James D. Rablitt, AICP
Planning Director

[Date]
## Specifications

- **Usage**:
  - 0.57 m² (0.05 m²)

- **Length**:
  - 21.8 cm (55.4 cm) (SPA mount)

- **Width**:
  - 13.3 cm (33.8 cm)

- **Height**:
  - 3.0 cm (2.4 cm) Main Body
  - 7.2 cm (14.4 cm) Arm

- **Weight**:
  - 2.20 kg (10.0 kg) (SPA mount)

### Ordering Information

**EXAMPLE: RSX1 LED P4 40K R3 MVOLT SPA DD8XD**

<table>
<thead>
<tr>
<th>Order</th>
<th>Performance Package</th>
<th>Color</th>
<th>Temperature</th>
<th>Distribution</th>
<th>Voltage</th>
<th>Mounting</th>
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<td>RSX LED</td>
<td>P1</td>
<td>BBK</td>
<td>3000K</td>
<td>R2</td>
<td>Type 4, White</td>
<td>MVOLT (3000-3500K)</td>
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<tr>
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<td>P2</td>
<td>ABB</td>
<td>4000K</td>
<td>R3</td>
<td>Type 5, White</td>
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<td>6000K</td>
<td>R5</td>
<td>Type 5, White</td>
<td>MVOLT (6000-7000K)</td>
</tr>
</tbody>
</table>

### Options

- **Skip Installed**
  - **RS**: House side drain
  - **P4**: Plisomat, 15" diameter
  - **P5**: Plisomat with external drain, adjustable
  - **PDF2**: Storm water lock (nurbs only for 3" connection)
  - **CE4**: Cast iron (3"/4"" 1/2"")
  - **CF**: Double flange (2", 2.5", 4"")
  - **SPO5**: 5"/6" (with 1"/2" conduit)
  - **FDN**: Field drainable w/ cap
  - **DSN**: 8-10" drainable, protected soffit (field for external control)

- **Ends**
  - **E50**: End cap (1" thru 5"")
  - **ES**: External socket (8"x10" for 12"")

- **Bite**
  - **B1**: Bite

### Finish

- **BBRO**: Dark Bronze
- **BGO**: Black
- **BBNM**: Brushed尼Nhaleum
- **B Venice**: Veneer
- **BBFT**: Tinted Silver
- **BGO**: Tinted Black
- **BBMA**: Tinted Natural Aluminum
- **BBMN**: Tinted Natural Nickel
- **BBNO**: Tinted Aluminio
### Photometric Diagrams

To see complete photometric reports or download JE File for this product, visit Lithonia Lighting® E3A1’s homepage.

![Photometric Diagrams](image)

### Performance Data

#### Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0°C to 50°C (32°F to 140°F).

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<tr>
<th>Lumen</th>
<th>Ambient Temperature</th>
<th>Multiplier</th>
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<td>0°C</td>
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<td></td>
<td>10°C</td>
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<td></td>
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<td></td>
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#### Electrical Load

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#### Projected LED Lumen Maintenance

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Values calculated according to E3A1's TM-21 methodology and valid up to 40°C.
### Dimensions & Weights

#### Luminaires Weight by Mounting Type

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<tr>
<td>WMA</td>
<td>8 lbs</td>
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<tr>
<td>MWF</td>
<td>7 lbs</td>
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**RSX1 with Round Pole Adapter (RPA)**

- Length: 22.8" (57.9 cm)
- Width: 13.3" (33.8 cm)
- Height: 3.0" (7.6 cm) Main Body
- 7.2" (18.4 cm) Arm

**Note:** RPA — Round Pole mount can also be used to mount on square poles by omitting the round pole adapter plate shown here.

**RSX1 with Mast Arm Adapter (MA)**

- Length: 23.2" (59.1 cm)
- Width: 13.3" (33.8 cm)
- Height: 3.0" (7.6 cm) Main Body
- 3.5" (8.9 cm) Arm

**$\frac{3}{16}^\prime$" locking thru bolt nut provided**

**RSX1 with Adjustable Slipfitter (IS)**

- Length: 20.7" (52.7 cm)
- Width: 13.3" (33.8 cm)
- Height: 3.0" (7.6 cm) Main Body
- 7.6" (19.3 cm) Arm

**$\frac{3}{8}^\prime$ KO - 1/2" NPT water-tight fitting**
**RSX1 with Wall Bracket (WBA)**

Length: 23.6" (59.9 cm)
Width: 13.3" (33.8 cm)
Height: 3.0" (7.6 cm)
Main Body: 8.9" (22.6 cm)
Arm: 8.9" (22.6 cm)

**RSX1 with Wall Bracket with Surface Conduit Box (WBASC)**

Length: 29.3" (74.4 cm)
Width: 13.3" (33.8 cm)
Height: 3.0" (7.6 cm)
Main Body: 9.2" (23.4 cm)
Arm: 9.2" (23.4 cm)

**Wall Bracket (WBA) Mounting Detail**

**Surface Conduit Box (SCB) Mounting Detail**

3/4" NPT taps with plugs - City lb provided
RSX1 with Adjustable Tilt Arm - Square or Round Pole (AASP or AARP)

Length: 25.3" (65.3 cm) AASP
26.3" (66.8 cm) AARP
Width: 13.3" (33.8 cm)
Height: 3.0" (7.6 cm) Main Body
7.2" (18.2 cm) Arm

7/8" KO - fits 1/2" NPT water-tight fitting

NOTE:
Round Pole mount can also be used to mount on square poles by mounting the round pole adapter plate shown here.

Notes
AASP: Requires 3.0" min. square pole for 1 at 90°. Requires 3.5" min. square pole for mounting 2, 3, 4 at 90°.
AARP: Requires 3.2" min. dia. round pole for 2, 3, 4 at 90°. Requires 3.0" min. dia. round pole for mounting 1 at 90°, 2 at 180°, 3 at 120°.

RSX1 with Adjustable Tilt Arm with Wall Bracket (AAWB)

Length: 27.1" (68.8 cm)
Width: 13.3" (33.8 cm)
Height: 3.0" (7.6 cm) Main Body
8.5" (22.6 cm) Arm

7/8" KO - fits 1/2" NPT water-tight fitting

Wall Bracket (WBA) Mounting Detail
RSX1 with Adjustable Tilt Arm with Wall Bracket and Surface Conduit Box (AAWSC)

3/4" NPT tap
with plug - Qty (6)
provided

Length: 28.8" (73.2 cm)
Width: 13.3" (33.8 cm)
Height: 3.0" (7.6 cm) Main Body
9.2" (23.4 cm) Arm

Surface Conduit Box (SCB) Mounting Detail

Additional Reference Drawings

Option CE34 Reference Dimensions

Automotive Front Row - Rotated Optics (AFRL90/R90)

(Example: 28180 - arrows indicate direction of light exiting the luminaire)
FEATURES & SPECIFICATIONS

EXTENDED USE

The 600 LED area family is designed to provide a long-lasting, energy-efficient solution for the transformation of existing metal halide or high-pressure sodium lighting. The BR85 delivers 7500 to 12000 lumens and is ideal for replacing 500W to 1000W metal halide and sodium fixtures in parking lots and industrial and outdoor applications.

CONSTRUCTION

The BR85 LED fixture features a large cast aluminum heat sink that has been designed to allow a sufficient air flow through the fixture to provide optimal thermal management. It has high-intensity LEDs and a weather-resistant IP67-rated enclosure. The fixture is designed to provide uniform light distribution and comfortable lighting for outdoor applications.

INSTALLATION

Durable cast aluminum housing with integrated mounting flanges, weather-resistant NEMA 4X, IP67-rated enclosure, and UL listed for wet locations. The BR85 is compatible with most popular mounting options, including drop-down, pole-top, and side mount configurations. It is ideal for outdoor applications and offers a range of mounting options to suit various installation requirements.

LIGHTING

The lighting fixture is designed to provide uniform light distribution and comfortable lighting for outdoor applications. It is suitable for parking lots, industrial areas, and other outdoor environments.

ULTRA LED CONTROLS

These BR85 LED area luminaire models are also available with 408749 or AL28 color for the ultimate in variable control. These fixtures are fully compatible with both our lighting control system, providing outstanding performance, and it is a partner for light pollution control. The fixture has a 100-277VAC input and can be used in a wide range of applications.

LITHONIA LIGHTING

One Lithonia Way • Conyers, Georgia 30012 • Phone 1-800-785-SERV (7383) • www.lithoniabrand.com

COMMERICAL OUTDOOR

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Lithonia 100% USA LED

Rev 05/19/23

Page 4 of 9
Radean Arm Mount
LED Area Luminaria

Specifications
EPA: 0.75-0.95 Wh
Length: L1 = 24" (60.96 cm)
Width: 24" (60.96 cm)
Height: 4" (10.2 cm)
Weight: 29 lbs (13.15 kg)

Introduction
The Radean arm mount luminaire is the perfect choice for pedestrian applications where daytime aesthetics and visual comfort are needed. Adding architectural flair to any space, the Radean's low-profile shape and smooth curves blend in while adding a touch of elegance.

Perfect for campuses, parks, pedestrian malls, courtyards and pathways, the Radean arm mount is the Architect's choice to provide beautiful aesthetics both day and night.

Ordering Information
EXAMPLE: RAD1 LED P3 30K MVOLT RPA PE DNAXD

<table>
<thead>
<tr>
<th>Series</th>
<th>Performance</th>
<th>Color Temperature</th>
<th>Distribution</th>
<th>Voltage</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>RADI LED</td>
<td>P1 = 1,800 Lumens</td>
<td>2700K</td>
<td>Symmetric type X</td>
<td>120V</td>
<td>SPA</td>
</tr>
<tr>
<td>P2 = 3,600 Lumens</td>
<td>3000K</td>
<td>Asymmetric type X</td>
<td>120V</td>
<td>347</td>
<td></td>
</tr>
<tr>
<td>P3 = 9,000 Lumens</td>
<td>3000K</td>
<td>Asymmetric type X</td>
<td>120V</td>
<td>408</td>
<td></td>
</tr>
<tr>
<td>P4 = 15,000 Lumens</td>
<td>3000K</td>
<td>Pathway type III</td>
<td>120V</td>
<td>408</td>
<td></td>
</tr>
<tr>
<td>P5 = 22,500 Lumens</td>
<td>3000K</td>
<td>Pathway type III</td>
<td>120V</td>
<td>408</td>
<td></td>
</tr>
</tbody>
</table>

Note: 
1. For packaging, materials, and packaging options, please refer to the LITHONIA LIGHTING Catalog.
2. For options and accessories, please visit our website at www.lithonia.com.
3. For contact information, please call 1-800-789-5979.
# Accessories

### Mounting

| Product Number | Description | Specification | Mounting
|---------------|------------|---------------|---------|
| B31316CBKZV1001100 | 1/2" Round Straight - Template #1324 | BM01320 | B2A2
| B31216CBKZV1001100 | 1/2" Round Straight - Template #1324 | BM01320 | B2A2
| B3116CBKZV1001100 | 1/2" Round Straight - Template #1324 | BM01320 | B2A2
| B31316CBKZV1001600 | 1/2" Round Square - Template #1324 | BM01320 | B2A2
| B31216CBKZV1001600 | 1/2" Round Square - Template #1324 | BM01320 | B2A2
| B3116CBKZV1001600 | 1/2" Round Square - Template #1324 | BM01320 | B2A2
| B31316CBKZV1001800 | 10" Round Straight - Template #1324 | BM01320 | B2A2
| B31216CBKZV1001800 | 10" Round Straight - Template #1324 | BM01320 | B2A2
| B3116CBKZV1001800 | 10" Round Straight - Template #1324 | BM01320 | B2A2

*Refer to manufacturer's specifications for exact design criteria and required installation. Consult product specification sheet for additional details.

---

### Drilling Template #20

- **Compatible Mounting Plates:**
  - 2A2: 2-1/4" x 2-3/8" (57.15 mm x 60.35 mm)
  - 2A2: 2-1/4" x 2-3/8" (57.15 mm x 60.35 mm)
  - 2A2: 2-1/4" x 2-3/8" (57.15 mm x 60.35 mm)

- **Drilling Patterns:**
  - Single unit: 2.00" (50 mm)
  - Double: 3.00" (76 mm)
  - Triple: 3.50" (89 mm)

---

**Notes:**
1. Use #3-42 or #10-24 screws, as required by local codes.
2. Ensure all bolts are fully tightened.
3. Use a 1/4" or 5/32" drill bit.
4. Use #2 screws for 3/4" and 1" holes.
## Performance Data

### Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79. Data is compiled to be representative of the configuration shown. Contact factory for performance data on any configurations not shown here.

<table>
<thead>
<tr>
<th>Package</th>
<th>P1</th>
<th>X5</th>
<th>X8</th>
<th>X4</th>
<th>X6</th>
<th>X5</th>
<th>X6</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED</td>
<td>1,289</td>
<td>2,085</td>
<td>2,348</td>
<td>2,005</td>
<td>1,572</td>
<td>2,028</td>
<td>2,212</td>
</tr>
<tr>
<td>NW</td>
<td>4,380</td>
<td>6,320</td>
<td>7,653</td>
<td>5,125</td>
<td>3,754</td>
<td>5,034</td>
<td>6,165</td>
</tr>
<tr>
<td>YWW</td>
<td>3,600</td>
<td>5,200</td>
<td>6,700</td>
<td>5,300</td>
<td>4,000</td>
<td>5,600</td>
<td>6,900</td>
</tr>
<tr>
<td>NW 100</td>
<td>1,024</td>
<td>1,362</td>
<td>1,680</td>
<td>1,280</td>
<td>960</td>
<td>1,362</td>
<td>1,680</td>
</tr>
</tbody>
</table>

### Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine the change in lumen output for ambient temperatures from 40°F to 100°F.

<table>
<thead>
<tr>
<th>Temperature</th>
<th>40°F</th>
<th>50°F</th>
<th>60°F</th>
<th>70°F</th>
<th>80°F</th>
<th>90°F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiplier</td>
<td>1.00</td>
<td>0.95</td>
<td>0.90</td>
<td>0.85</td>
<td>0.80</td>
<td>0.75</td>
</tr>
</tbody>
</table>

### Projected LED Lumen Maintenance

Data references the accumulated performance projections for the RAD1 LED P5 platform. This data is reprinted with permission of the original author(s) or their assigns. Data is based on 50,000 hours of LED testing by RADIANT LIGHTING and projected per IESNA TM-21-17d.

<table>
<thead>
<tr>
<th>Lumen Factor</th>
<th>P5</th>
<th>P6</th>
<th>P7</th>
<th>P8</th>
<th>P9</th>
<th>P10</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED</td>
<td>92.0</td>
<td>93.0</td>
<td>94.0</td>
<td>95.0</td>
<td>96.0</td>
<td>97.0</td>
</tr>
<tr>
<td>NW</td>
<td>54.0</td>
<td>55.0</td>
<td>56.0</td>
<td>57.0</td>
<td>58.0</td>
<td>59.0</td>
</tr>
<tr>
<td>YWW</td>
<td>39.0</td>
<td>40.0</td>
<td>41.0</td>
<td>42.0</td>
<td>43.0</td>
<td>44.0</td>
</tr>
<tr>
<td>NW 100</td>
<td>16.0</td>
<td>17.0</td>
<td>18.0</td>
<td>19.0</td>
<td>20.0</td>
<td>21.0</td>
</tr>
</tbody>
</table>

### Electrical Load

<table>
<thead>
<tr>
<th>Circuit</th>
<th>120</th>
<th>208</th>
<th>208</th>
<th>208</th>
<th>208</th>
<th>208</th>
</tr>
</thead>
<tbody>
<tr>
<td>P5</td>
<td>500</td>
<td>42.0</td>
<td>21.4</td>
<td>21.4</td>
<td>21.4</td>
<td>21.4</td>
</tr>
<tr>
<td>P6</td>
<td>310</td>
<td>45.0</td>
<td>35.3</td>
<td>35.3</td>
<td>35.3</td>
<td>35.3</td>
</tr>
<tr>
<td>P7</td>
<td>100</td>
<td>45.3</td>
<td>45.3</td>
<td>45.3</td>
<td>45.3</td>
<td>45.3</td>
</tr>
<tr>
<td>P8</td>
<td>100</td>
<td>40.0</td>
<td>40.0</td>
<td>40.0</td>
<td>40.0</td>
<td>40.0</td>
</tr>
<tr>
<td>P9</td>
<td>100</td>
<td>45.0</td>
<td>45.0</td>
<td>45.0</td>
<td>45.0</td>
<td>45.0</td>
</tr>
<tr>
<td>P10</td>
<td>100</td>
<td>45.0</td>
<td>45.0</td>
<td>45.0</td>
<td>45.0</td>
<td>45.0</td>
</tr>
</tbody>
</table>

## Lithonia Lighting

Commercial Outdoor

One Lithonia Way • Clemens, Georgia 30038 • Phone: 1-800-715-5295 (1798) • www.lithonia.com

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RAD1 LED
Rev. 03/10/20
WPX LED
Wall Packs

Specifications

Features & Specifications

Infinite Use

The WPX LED wall packs are designed to provide a cost-effective, energy-efficient solution for the cost-saving replacement of existing HID wall packs. The WPX, WPX2, and WPX3 are ideal for retrofitting to T800/T800K, and MW/MB lumen fixtures. The WPX LED luminaire delivers a uniform, wide distribution. The fixture is rated for 45°C to 60°C.

Construction

WPX fixtures feature a die-cast aluminum body with a thermal design that ensures minimal LED thermal stress and extended component life. The luminaire design is IP66 rated, and sealed against moisture or environmental contaminants.

Electrical

Light outputs are adjustable with a high-output LED 400V line voltage, which allows for easy dimming. The WPX LED fixtures feature standard 5000K color temperature with a CRI of 80. The fixture is compatible with standard 120V/277V electrical systems.

Options

- Optional 5000K color temperature
- 5-year warranty

Installation

WPX LED fixtures are easy to install and mount on any surface or wall. The fixtures are available with optional 5000K line voltage and dimming capability. The WPX LED fixtures are compatible with a wide range of accessories, including mounting brackets and motion sensors.

Ordering Information

EXAMPLE: WPX2 LED 40K MVOLT DDBXD

<table>
<thead>
<tr>
<th>Series</th>
<th>Color Temperature</th>
<th>Voltage</th>
<th>Options</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>WPX LED 40K</td>
<td>4000K</td>
<td>120V/277</td>
<td>ELM</td>
<td>DDBXD</td>
</tr>
<tr>
<td>WPX2 LED 40K</td>
<td>4000K</td>
<td>120V/277</td>
<td>ELM</td>
<td>DDBXD</td>
</tr>
<tr>
<td>WPX3 LED 40K</td>
<td>4000K</td>
<td>120V/277</td>
<td>ELM</td>
<td>DDBXD</td>
</tr>
</tbody>
</table>

Note: Lenses output and input power shown in the ordering table are average representations of all configuration options. Specific values are available on request.

Note:

1. All WPX wall packs come with 400V surge protection standard, except WPX LED 40K, which comes with 120V surge protection standard. Add $5000 option to get WPX LED 40K with 120V surge protection.

Warranty

5-year limited warranty. Complete warranty terms are located at www.lithonia.com/warranty.

Note: Actual performance may differ as a result of end-use environment and application. All values are design or typical values, measured under laboratory conditions at 25°C. Specifications subject to change without notice.
**Performance Data**

### Electrical Load

<table>
<thead>
<tr>
<th>Luminaire</th>
<th>Input Power (W)</th>
<th>120V</th>
<th>208W</th>
<th>240V</th>
<th>277V</th>
<th>480V</th>
</tr>
</thead>
<tbody>
<tr>
<td>MFL1 LED P1</td>
<td>11W</td>
<td>0.20</td>
<td>0.35</td>
<td>0.45</td>
<td>0.46</td>
<td>0.63</td>
</tr>
<tr>
<td>MFL1 LED P2</td>
<td>24W</td>
<td>0.20</td>
<td>0.32</td>
<td>0.30</td>
<td>0.31</td>
<td>0.47</td>
</tr>
<tr>
<td>MFL2</td>
<td>40W</td>
<td>0.39</td>
<td>0.23</td>
<td>0.20</td>
<td>0.17</td>
<td>0.14</td>
</tr>
<tr>
<td>MFL3</td>
<td>60W</td>
<td>0.30</td>
<td>0.31</td>
<td>0.27</td>
<td>0.25</td>
<td>0.20</td>
</tr>
</tbody>
</table>

### Lumen Output

<table>
<thead>
<tr>
<th>Lumen Ambient Temperature (LCT) Multipliers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lumen Output</td>
</tr>
<tr>
<td>Light Temperature</td>
</tr>
<tr>
<td>Lumen Extent</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>3000K</td>
</tr>
<tr>
<td>MFL1 LED P1</td>
</tr>
<tr>
<td>1,137</td>
</tr>
<tr>
<td>MFL2</td>
</tr>
<tr>
<td>1,568</td>
</tr>
<tr>
<td>MFL3</td>
</tr>
<tr>
<td>1,602</td>
</tr>
<tr>
<td>MFL4</td>
</tr>
<tr>
<td>2,748</td>
</tr>
<tr>
<td>MFL5</td>
</tr>
<tr>
<td>2,912</td>
</tr>
<tr>
<td>3000K</td>
</tr>
<tr>
<td>MFL1 LED P1</td>
</tr>
<tr>
<td>2,954</td>
</tr>
<tr>
<td>MFL2</td>
</tr>
<tr>
<td>3,179</td>
</tr>
<tr>
<td>MFL3</td>
</tr>
<tr>
<td>5,006</td>
</tr>
<tr>
<td>5000K</td>
</tr>
<tr>
<td>MFL1 LED P1</td>
</tr>
<tr>
<td>6,391</td>
</tr>
<tr>
<td>MFL2</td>
</tr>
<tr>
<td>6,944</td>
</tr>
<tr>
<td>MFL3</td>
</tr>
<tr>
<td>9,169</td>
</tr>
<tr>
<td>5000K</td>
</tr>
<tr>
<td>MFL1 LED P1</td>
</tr>
<tr>
<td>9,193</td>
</tr>
</tbody>
</table>

### Projected LED Maintenance

Data reference the extrapolated performance projections in a 20°C ambient, based on 6,000 hours of LED testing (per IESNA LM 60-08 and projected per IESNA TM 21-15). To calculate LED life, see the LED maintenance factor that corresponds to the desired number of operating hours below. For other luminaire maintenance values, contact factory.

**Operating Hours**

- 50,809
- 71,808
- 100,000

**Lumen Maintenance Factor**

<table>
<thead>
<tr>
<th>Hours</th>
<th>Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>50,809</td>
<td>0.94</td>
</tr>
<tr>
<td>71,808</td>
<td>&gt;0.62</td>
</tr>
<tr>
<td>100,000</td>
<td>&gt;0.60</td>
</tr>
</tbody>
</table>

---

### Emergency Egress Battery Packs

The emergency battery backup is integral to the luminaire — no external housing or back box is required. The emergency battery will power the luminaire for a minimum duration of 90 minutes and deliver minimum initial output of 330 lumens. Both battery pack options are CEC compliant.

<table>
<thead>
<tr>
<th>Battery Type</th>
<th>Maximum Temperature Rating</th>
<th>Power (Watts)</th>
<th>Contact Option</th>
<th>Ordering Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td>-15°C</td>
<td>16W</td>
<td>EL40BC</td>
<td>MFL1 LED-EL40BC</td>
</tr>
<tr>
<td>Cold Weather</td>
<td>-20°C</td>
<td>14W</td>
<td>EL40BC</td>
<td>MFL2 LED-EL40BC</td>
</tr>
</tbody>
</table>

---

### Photometric Diagrams

**Lithonia Lighting**

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1. **Variance.** In granting a variance, the Board shall require that evidence satisfying the following standards be entered into the record of the proceedings:

   a. That the hardship from which the applicant seeks relief is due to the unique characteristics of the subject land or structure and not to the general characteristics of the surrounding area, and not due to a physical or economic disability of the applicant, except where necessary to provide reasonable accommodation to applicants with physical disabilities addressed in the Rhode Island Fair Housing Practices Act, the United States Fair Housing Amendments Act of 1988 (HFHA), the Rhode Island Civil Rights of Individuals with Handicaps Act, and the American with Disabilities Act of 1990 (ADA);

   b. That said hardship is not the result of any prior action of the applicant and does not result primarily from the desire of the applicant to realize greater financial gain;

   c. That the granting of the requested variance will not alter the general characteristics of the surrounding area or impair the intent or purpose of this Zoning Ordinance or the Comprehensive Plan of the Town;

   d. That the relief to be granted is the least relief necessary;

   e. In granting a use variance, the subject land or structure cannot yield any beneficial use if it is required to conform to the provisions of the Zoning Ordinance. Noconforming use or neighboring land or structures in the same district and permitted use of land or structures in an adjacent district shall not be considered grounds for granting a use variance; and

   f. In granting a dimensional variance, that the hardship that will be suffered by the owner of the subject property if the dimensional variance is not granted shall amount to more than a mere inconvenience, which shall mean that there is no other reasonable alternative to enjoy a legally permitted beneficial use of one's property. The fact that a use may be more profitable, or that a structure may be more valuable after the relief is granted, shall not be grounds for relief.

2. **Special use permits.** In granting a special use permit, the Board shall require that evidence to the satisfaction of the following standards be entered into the record of the proceedings:

   a. That the special use is specifically authorized by this Ordinance, and setting forth the exact subsection of this Ordinance containing the jurisdictional authorization;

   b. That the special use meets all of the criteria set forth in the subsection of this Ordinance authorizing such special use; and

   c. That the granting of the special use permit will not alter the general character of the surrounding area or impair the intent or purpose of this Ordinance or the Comprehensive Plan of the Town. In so doing, the Board shall consider, whether or not satisfactory provisions and arrangements have been or will be made concerning, but not limited to the following matters, where applicable:

      (i) Ingress and egress to the lot and to existing or proposed structures thereon with particular reference to automotive and pedestrian safety and convenience, traffic flow and control, and access in case of fire, emergency or catastrophe;

      (ii) Off-street parking and loading areas where required, with particular attention to the items in subsection A.1., above, and the noise, glare or odor effects of the special use permit on adjoining lots;

      (iii) Storage, refuse, and delivery areas with a particular reference to the items in (i) and (ii) above;

      (iv) Utilities, with reference to locations, availability and compatibility;

      (v) Screening and buffering with reference to type, dimensions and character;

      (vi) Signs, if any, and exterior lighting with reference to glare, traffic safety, and compatibility and harmony with lots in the zoning districts;

      (vii) Required yards and other open space;

      (viii) General compatibility with lots in the same or abutting zoning districts.

3. **Special conditions.** In granting a variance or special use permit, or in making any determination upon which it is required to pass after public hearing under this Ordinance, the Board may apply such special conditions that may, in the opinion of the Board, be required to promote the intent and purpose of the Comprehensive Plan of the Town and this Ordinance. Failure to abide by any special conditions attached to a grant shall constitute a zoning violation. Such special conditions shall be based on competent credible evidence on the record, be incorporated into the decision, and may include, but are not limited to, provisions for:

   1. Minimizing adverse impact of the development upon other land, including the type, intensity, design, and performance of activities;

   2. Minimizing adverse impact upon Town services and facilities;

   3. Controlling the sequence of development, including when it must be commenced and completed;

   4. Controlling the duration of use or development and the time within which any temporary structure must be removed;

   5. Assuring satisfaction installation and maintenance of required public improvements;

   6. Designating the exact location and nature of development;

   7. Establishing detailed records by submission of drawings, maps, plats, or specifications;

   8. Minimizing any adverse environmental impacts; and

   9. Establishing hours of operation of the use.