

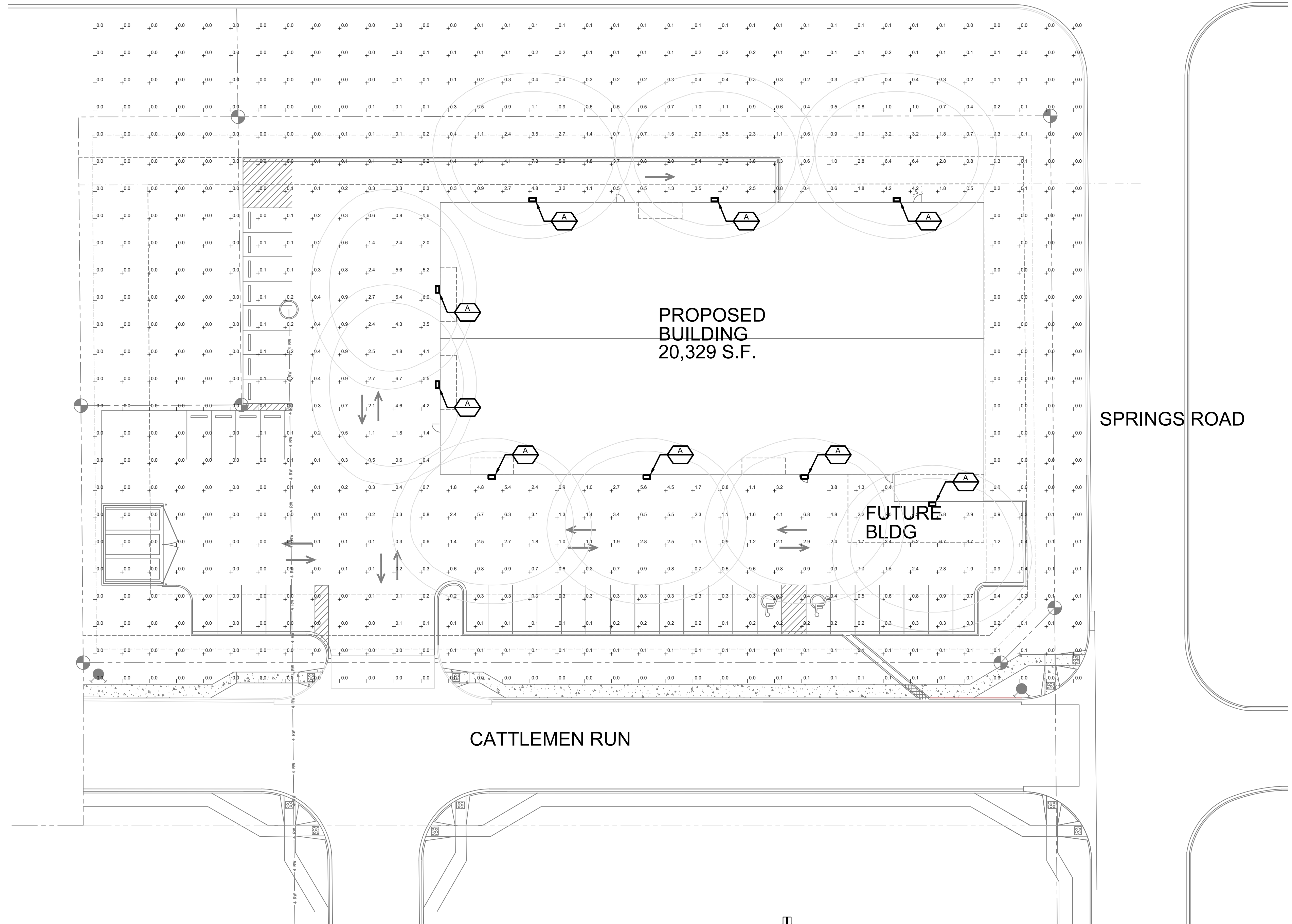


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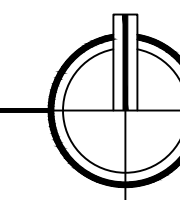
**NEW BUILD**  
**INTELFAB**  
**ELLIOTT COLORADO**

STATE HIGHWAY NO. 94



**SITE PHOTOMETRIC PLAN**

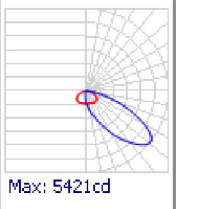
SCALE: 1" = 40'-0"



**Statistics**

| Description | Symbol | Avg    | Max    | Min    | Max/Min | Avg/Min |
|-------------|--------|--------|--------|--------|---------|---------|
| Site        | +      | 0.7 fc | 7.3 fc | 0.0 fc | N/A     | N/A     |

**Schedule**

| Symbol | Label | Image | QTY | Manufacturer      | Catalog Number  | Description                                   | Lamp | Number Lamps | Filename            | Lumens per Lamp | Lumen Multiplier | LLF  | Wattage | Efficiency | Distribution                                   | Polar Plot  | Notes |
|--------|-------|-------|-----|-------------------|-----------------|---|------|--------------|---------------------|-----------------|------------------|------|---------|------------|--|---|-------|
| □      | A     |       | 9   | Lithonia Lighting | ARC2 LED P5 40K | ARC2 LED WITH P5 - PERFORMANCE PACKAGE, 4000K |      | 1            | ARC2_LED_P5_40K.ies | 6615            | 1                | 0.92 | 51.2609 | 100%       | TYPE III, VERY SHORT, BUG RATING: B1 - U0 - G1 |  |       |

| REV | DESCRIPTION | DRAWN | CHECK | APPR | DATE |
|-----|-------------|-------|-------|------|------|
|     |             |       |       |      |      |
|     |             |       |       |      |      |
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ISSUANCE:  
**ISSUED FOR REVIEW**  
 CLIENT:  
 HAMMERS CONSTRUCTION  
 1411 WOOLSEY HEIGHTS  
 COLORADO SPRINGS, CO 80915  
 ARCHITECT:  
 HAMMERS CONSTRUCTION  
 1411 WOOLSEY HEIGHTS  
 COLORADO SPRINGS, CO 80915  
 PROJECT NO:  
 5151-20-02

TITLE:  
**SITE PHOTOMETRIC PLAN**

SHEET NO:  
**9 of 11**



## ARC2 LED Architectural Wall Luminaire

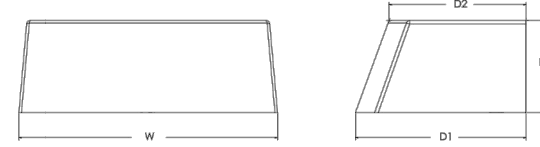


Catalog Number: ARC2 LED P5 40K  
 Notes:  
 Type: A

Hit the Tab key or mouse over the page to see all interactive elements.

### Specifications

Depth (D1): 9.25"  
 Depth (D2): 7.5"  
 Height: 5"  
 Width: 14"  
 Weight: 11 lbs  
 (Without options)



### Introduction

The Lithonia Lighting ARC LED wall-mounted luminaires provide both architectural styling and visually comfortable illumination while providing the high energy savings and low initial costs for quick financial payback. ARC2 delivers up to 6,500 lumens with a soft, non-pixelated light source, creating a visually comfortable environment. It offers integrated emergency battery backup options, including an 8V cold temperature option, making it suitable for pedestrian scale applications in any environment.

### ARC LED Family Overview

| Luminaire | Standard EMI, 0°C | Cold EMI, -20°C | Approximate Lumens (4000K) |       |       |       |       |
|-----------|-------------------|-----------------|----------------------------|-------|-------|-------|-------|
|           |                   |                 | P1                         | P2    | P3    | P4    | P5    |
| ARC1 LED  | 4W                | -               | 1,500                      | 2,000 | 3,000 | -     | -     |
| ARC2 LED  | 4W                | 8W              | 1,500                      | 2,000 | 3,000 | 4,000 | 6,500 |

### Ordering Information

EXAMPLE: ARC2 LED P2 40K MVOLT PE DDBXD

| Series   | Package | Color Temperature | Voltage | Options   | Finish                           |
|----------|---------|-------------------|---------|---|----------------------------------|
| ARC2 LED | P1      | 30K 3000K         | MVOLT   | EWBH Emergency battery backup, CEC compliant (4W, 0°C min) <sup>1</sup>   | DDBXD Dark bronze                |
|          | P2      | 40K 4000K         | 347V    | ERWC Emergency battery backup, CEC compliant (8W, -20°C min) <sup>1</sup>   | DBLXD Black                      |
|          | P3      | 50K 5000K         |         | PE Button type photocell for dusk-to-dawn operation   | DNAXD Natural aluminum           |
|          | P4      |                   |         | DMG 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately) <sup>2</sup>  | DWHXD White                      |
|          | P5      |                   |         | SPD6KV 6KV surge protection <sup>1</sup>  | DSXD Sandstone                   |
|          |         |                   |         | FAD Field adjustable light output device. Allows for easy adjustment to the desired light levels, from 20% to 100%. | DNBTD Textured dark bronze       |
|          |         |                   |         |   | DBLXD Textured black             |
|          |         |                   |         |   | DNATXD Textured natural aluminum |
|          |         |                   |         |   | DWHGXD Textured white            |
|          |         |                   |         |   | DSSTXD Textured sandstone        |

### Accessories

W58BH DDBXD Surface-mounted back box (specify finish)

NOTES:  
 1. 347V not available with EWBH, ERWC and SPD6KV.  
 2. FAD not available with DMG.

### Performance Data

#### Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

| Performance Package | System Watts | 30K (3000K, 80 CRI) |     |   |                |                | 40K (4000K, 80 CRI) |     |   |                |                | 50K (5000K, 80 CRI) |     |   |                |                |
|---------------------|--------------|---------------------|-----|---|----------------|----------------|---------------------|-----|---|----------------|----------------|---------------------|-----|---|----------------|----------------|
|                     |              | Lumens              | LPW | U | U <sub>0</sub> | U <sub>g</sub> | Lumens              | LPW | U | U <sub>0</sub> | U <sub>g</sub> | Lumens              | LPW | U | U <sub>0</sub> | U <sub>g</sub> |
| P1                  | 11W          | 1,502               | 142 | 0 | 0              | 1              | 1,587               | 150 | 0 | 0              | 1              | 1,598               | 151 | 0 | 0              | 1              |
| P2                  | 16W          | 2,250               | 140 | 0 | 0              | 1              | 2,377               | 147 | 0 | 0              | 1              | 2,393               | 148 | 0 | 0              | 1              |
| P3                  | 24W          | 3,296               | 135 | 0 | 0              | 1              | 3,387               | 143 | 0 | 0              | 1              | 3,410               | 144 | 0 | 0              | 1              |
| P4                  | 30W          | 3,903               | 128 | 1 | 0              | 1              | 4,124               | 136 | 1 | 0              | 1              | 4,152               | 136 | 1 | 0              | 1              |
| P5                  | 51W          | 6,260               | 122 | 1 | 0              | 1              | 6,615               | 129 | 1 | 0              | 1              | 6,639               | 130 | 1 | 0              | 1              |

#### Electrical Load

| Performance Package | System Watts | Current (A) |       |       |       |       |
|---------------------|--------------|-------------|-------|-------|-------|-------|
|                     |              | 120V        | 208V  | 240V  | 277V  | 347V  |
| P1                  | 11W          | 0.090       | 0.055 | 0.049 | 0.046 | 0.045 |
| P2                  | 16W          | 0.141       | 0.081 | 0.072 | 0.064 | 0.059 |
| P3                  | 24W          | 0.202       | 0.117 | 0.103 | 0.091 | 0.079 |
| P4                  | 30W          | 0.280       | 0.162 | 0.144 | 0.128 | 0.095 |
| P5                  | 51W          | 0.471       | 0.272 | 0.239 | 0.212 | 0.158 |

#### Lumen Output in Emergency Mode (4000K, 80 CRI)

| Option | Lumens |
|--------|--------|
| EWBH   | 693    |
| ERWC   | 1,413  |

#### Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine approximate lumen output for average ambient temperature from 0°C (32°F) to 40°C (104°F).

| Ambient | Lumen Multiplier |      |
|---------|------------------|------|
| 0°C     | 32°F             | 1.04 |
| 10°C    | 50°F             | 1.03 |
| 20°C    | 68°F             | 1.01 |
| 25°C    | 77°F             | 1.00 |
| 30°C    | 86°F             | 0.99 |
| 40°C    | 104°F            | 0.97 |

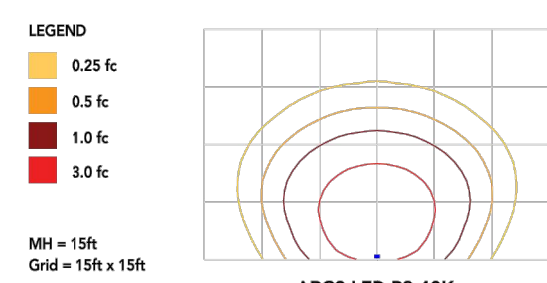
#### Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing detailed per IESNA LM-80-08 and projected per IESNA TM-21-11. To calculate Lf, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

| Operating Hours          | 0   | 25,000 | 50,000 | 100,000 |
|--------------------------|-----|--------|--------|---------|
| Lumen Maintenance Factor | 1.0 | >0.96  | >0.93  | >0.88   |

### Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting ARC LED homepage. Tested in accordance with IESNA LM-79 and LM-80 standards.



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 PROJECT NO:  
 5151-20-02  
 TITLE:  
**SITE LIGHTING SPECIFICATIONS**