



## DC AND FRANCES LINN PARK COMMITTEE

Monday, August 25, 2025 at 6:00 PM

Landis Board Room

### AGENDA

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**PLEASE SILENCE ALL CELL PHONES**

**1. INTRODUCTION:**

- 1.1 Call Meeting to Order
- 1.2 Determination of Quorum
- 1.3 Pledge of Allegiance
- 1.4 Adoption of Agenda

**2. APPROVAL OF MINUTES FOR MEETING(S):**

- [2.1](#) Consider Approval of July 28, 2025 Meeting Minutes

**3. NEW BUSINESS:**

- 3.1 Consider Discussion of Surveying Parcels at DC & Frances Linn Park in Order to Create a Combination Plat
- [3.2](#) Consider Discussion of Resolution #2025-08-11 - Town of Landis Resolution Establishing The D.C. & Frances Linn (DCFL) Park Committee

**4. OLD BUSINESS:**

- [4.1](#) Consider Discussion of Lighting Package
- [4.2](#) Consider Discussion of DC and Frances Linn Park Foundation Update
- 4.3 Consider Discussion of Updates from Ramsey, Burgin, Smith Architecture Inc

**5. UPCOMING EVENTS:**

## **6. CLOSING:**

### **6.1 Motion to Adjourn**



## DC AND FRANCES LINN PARK COMMITTEE

Monday, July 28, 2025 at 6:00 PM

Landis Board Room

### MINUTES

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**PLEASE SILENCE ALL CELL PHONES**

#### 1. INTRODUCTION:

##### 1.1 Call Meeting to Order

Madam Chair Michelle Gray called the meeting to order at 6:01 PM.

##### 1.2 Determination of Quorum

**Members Present:** Madam Chair Michell Grey, Member John Hall, Member Randall Peterman, Member Jessica St. Martin, Member Dannon Webster, Member Katie Sells at 6:02 PM, Member David Sells at 6:02 PM, Member Tony Corriher, Member Meredith Smith.

**Members Absent:** Member Leanne Freeze

**Staff Present:** Town Manager Michael Ambrose, Deputy Clerk Angie Sands

**Others Present:** Mr. Bill Burgin

##### 1.3 Pledge of Allegiance

Madam Chair Michelle Gray led those in Attendance to the Pledge of Allegiance.

##### 1.4 Recognitions and Acknowledgements

##### 1.5 Adoption of Agenda

**A MOTION WAS MADE BY JOHN HALL, SECONDED BY JESSICA ST. MARTIN TO APPROVE THE AGENDA AS PRESENTED. MOTION PASSED BY UNANIMOUS VOTE (7-0).**

#### 2. APPROVAL OF MINUTES FOR MEETING(S):

##### 2.1 Consider Approval of June 23, 2025, Meeting Minutes

**A MOTION WAS MADE BY KATIE SELLS, SECONDED BY JOHN HALL TO APPROVE THE MEETING MINUTES. MOTION PASSED BY UNANIMOUS VOTE (7-0).**

### 3. NEW BUSINESS:

#### 3.1 Consider Discussion of Lighting Package

Town Manager Michael Ambrose gave a brief overview of the lighting package. We are receiving information on the lighting package and that will take a little bit of time to move forward due to personal with the company we use. Once we get more information it will be brought to the committee.

#### 3.2 Consider Discussion of Fencing

Mr. Burgin gave a brief overview of the types of fencing for the park.

The committee members discussed between themselves the location of the fencing, and if you could have a gate instead of a bollard at the Chapel Street entrance.

**A MOTION WAS MADE TO GET A QUOTE FOR OPTION (A) FENCE WITH NO FINIALS, 4 ½ FT TALL, WITH AND WITHOUT CONCRETE UNDER THE FENCING, BY KATIE SELLS, SECONDED BY RANDALL PETERMAN. MOTION PASSED BY UNANIMOUS VOTE (7-0).**

#### 3.3 Consider of Discussion of What's Next - Sidewalks/Grading

Mr. Burgin did not have anything to discuss with sidewalks or grading at this point. He did say that they were trying to do as little grading as possible, and he wanted to save the trees. He's hoping that the only place that would need grading would be at the children's area, and by the stage.

Mr. Burgin did ask if the concession area would be serving food. He needed to know for sink purposes. The committee replied with only prepackaged food will be sold and it was more of an information area. Town Manager Ambrose stated that we have our next steps there, and we can move forward with civil and we will work with staff to try to identify any other water spots and things we need.

### 4. OLD BUSINESS:

**A MOTION WAS MADE TO MOVE ITEM 4.3 TO 4.1 BY KATIE SELLS, SECONDED BY JOHN HALL. MOTION PASSED BY UNANIMOUS VOTE (7-0).**

#### 4.1 Consider Discussion of Moving the Old Fire Exhibit from Public Works to DC and Frances Linn Park

Town Manager Ambrose gave a brief update stating that the Board of Aldermen voted on this at the July 14, 2025, meeting to move the fire exhibit from the Public Works facility to the new DCFL Park. Currently it is on a concrete slab. The only discussion was that the old Station 1 building would be moved.

#### 4.2 Consider Discussion of Building Brick Foundations

Member Jessica St. Martin gave an update from Piedmont Footings, that once we are ready to pull the trigger, they need about a two (2) week notice before starting the project and it will take about a week and a half to two (2) weeks to complete. So far, he only has information about the two (2) buildings that we are moving. The quotes that he gave us was for standard construction style brick. He will be sending me some pictures with brick options for the committee to look over.

Town Manager Ambrose stated that the other hang up is the civil plans. We are waiting on those final grade plans, the full plan with the park. As soon as we have that we will be able to move forward with that. There is only two (2) buildings that will have foundations with brick. The Train Depot will stay stone unless this committee or the governing board decides to make that an option.

Madam Chair Michelle Grey asked if everyone thought that since Mr. Taylor gave the committee bricks for the brick fundraiser, can we consider him for where we get the brick from.

Member Katie Sells stated that we should just keep it simple and use the same brick.

**A MOTION WAS MADE BY KATIE SELLS, SECONDED BY JOHN HALL TO REMOVE THE ROCK FROM THE DEPOT BUILDING FOUNDATION, AND REPLACE IT WITH RED BRICK FOUNDATION. MOTION PASSED BY UNANIMOUS VOTE (7-0).**

**A MOTION WAS MADE BY KATIE SELLS, SECONDED BY JOHN HALL TO USE THE RED BRICK FOR THE FOUNDATIONS FOR THE DOCTORS OFFICE/POST OFFICE, AND JAIL, ALSO FOR THE FOUNDATION AND FRONT OF THE BATHROOMS. MOTION PASSED BY UNANIMOUS VOTE (7-0).**

**4.3 Consider Discussion of Updates from DC & Frances Linn Park Foundation**

Director Ryan Nelms gave an update on the Foundation. That information can be found in the agenda packet.

**4.4 Consider Discussion of Updates from Ramsay, Burgin, Smith Architecture Inc**

Mr. Burgin had no other items to discuss.

**5. UPCOMING EVENTS:**

**6. CLOSING:**

**6.1 Motion to Adjourn**

**A MOTION WAS MADE BY KATIE SELLS, SECONDED BY JOHN HALL TO ADJOURN AT 7:21 PM. MOTION PASSED BY UNANIMOUS VOTE (7-0).**

**Respectfully Submitted,**

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**Angie Sands, Deputy Clerk**



## **TOWN OF LANDIS RESOLUTION ESTABLISHING THE D.C. & FRANCES LINN (DCFL) PARK COMMITTEE**

**WHEREAS,** the Town of Landis recognizes the importance of public parks in promoting community well-being, recreational opportunity, and quality of life; and

**WHEREAS,** D.C. and Frances Linn have made meaningful contributions to the Town of Landis, and the Town seeks to honor their legacy through the stewardship of the park that bears their name; and

**WHEREAS,** the Board of Aldermen desires to create a citizen advisory committee to support the ongoing development, enhancement, and preservation of the D.C. and Frances Linn Park;

**NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF ALDERMEN OF THE TOWN OF LANDIS, NORTH CAROLINA:**

**1. Establishment of Committee**

There is hereby established the D.C. and Frances Linn (DCFL) Park Committee, which shall serve in an advisory capacity to the Board of Aldermen and Town staff.

**2. Purpose and Duties**

The DCFL Park Committee shall:

- Advise on improvements, planning, and programming related to D.C. and Frances Linn Park.
- Encourage community involvement and input regarding the use and development of the park.
- Assist in identifying and pursuing funding opportunities, including grants and donations.
- Support park events, beautification projects, and volunteer activities.
- Serve as ambassadors of the park and its role in the community.

**3. Membership**

The committee shall consist of five citizen members appointed by the Board of Aldermen. Members should represent a diverse cross-section of the community and have a demonstrated interest in parks, recreation, or community service.

**4. Attendance**

To remain in good standing, each member is required to attend a minimum of nine (9) meetings per fiscal year. Failure to meet the attendance requirement may result in removal from the committee at the discretion of the Board of Aldermen.



**5. Meetings and Governance**

The Committee shall meet at least quarterly and shall establish its own rules of procedure, including the election of a Chair and Vice Chair. All meetings shall be open to the public in accordance with state law.

**6. Town Support**

The Town of Landis shall provide reasonable staff support and access to facilities and resources to enable the Committee to fulfill its mission.

**ADOPTED AND EFFECTIVE THIS THE 11<sup>TH</sup> DAY OF AUGUST 2025.**

*Meredith Bare Smith*

Meredith Bare Smith, Mayor

**ATTEST:**

*Madison T. Stegall*

Madison T. Stegall, Town Clerk





**Hadco P2500 Series** decorative aluminum poles provide a wide range of options in a timeless aesthetic. All poles are made in the USA and always open to a wide range of add-ons and customizations to meet any project need.

Project: \_\_\_\_\_

Location: \_\_\_\_\_

Cat.No: \_\_\_\_\_

Type: \_\_\_\_\_

Qty: \_\_\_\_\_

Notes: \_\_\_\_\_

### Ordering guide

example: 2520 14 A B G N

Series	Pole height*	Finish	Accessory Location (factory installed)	Pole Accessories	Tenon Options
<b>P2520</b>	<b>8<sup>2</sup></b> 8ft	<b>A</b> Black	<b>N</b> No Option	<b>N</b> No Option	<b>N</b> Standard Tenon - 3" OD x 3"
<b>P2525</b>	<b>10</b> 10ft	<b>B</b> White	<b>T</b> 12" Down from Top - Aligned with House Side	<b>D<sup>3</sup></b> Standard Duplex	<b>ISF</b> Internal Slip Fitter (for HFP Brackets)
<b>P2540</b>	<b>12</b> 12ft	<b>G</b> Verde	<b>B</b> 4" Up from Top of Base - Aligned with House Side	<b>G<sup>3</sup></b> GFI Duplex	<b>T4</b> 4" OD Tenon or 4" pole w/o standard 3" tenon (consult factory for 3" OD poles)
<b>P2550</b>	<b>14</b> 14ft	<b>H</b> Bronze	<b>Z</b> Custom	<b>M</b> Motion Control	
<b>P2555</b>	<b>16</b> 16ft	<b>I</b> Gray			
<b>P2560</b>	<b>18</b> 18ft	<b>J</b> Green			
<b>P2565</b>	<b>20</b> 20ft	<b>Z<sup>1</sup></b> Custom			

**Note:** Top outlets not available with the HFP arms. Consult factory for HFP arm outlet mounting.

#### Footnotes:

1. Consult factory for quotation
2. Only available on the 2560 and 2565 Series pole
3. Select T or B in previous column for accessory location

### Anchor Bolts & Templates (ordered separately)

12NC	Description
<b>912400110297</b>	ANCHOR BOLT, 3/4-10x19x3 ,4/PK
<b>912400128332</b>	AB TEMPLATE, P2500



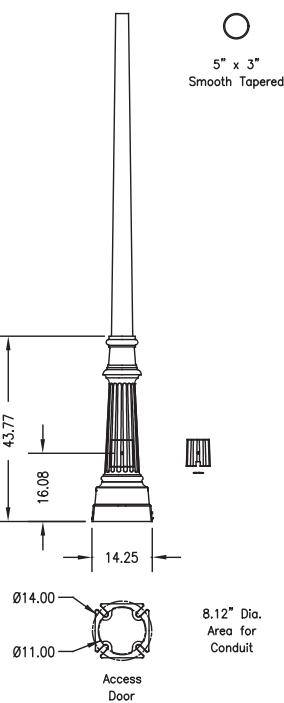
# P2500 Series

Section 4, Item 4.1

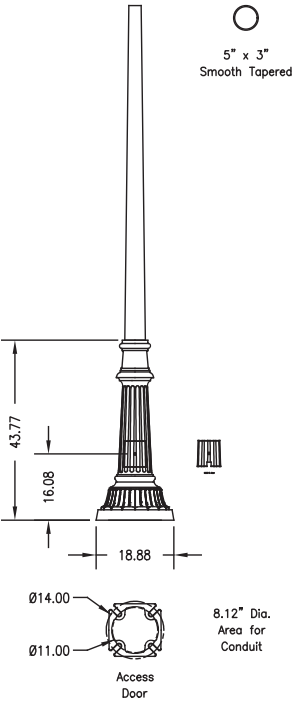
## Urban Decorative Poles

### Dimensions

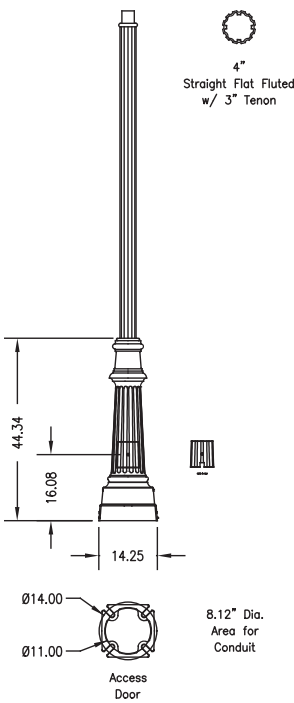
All 10ft models shown



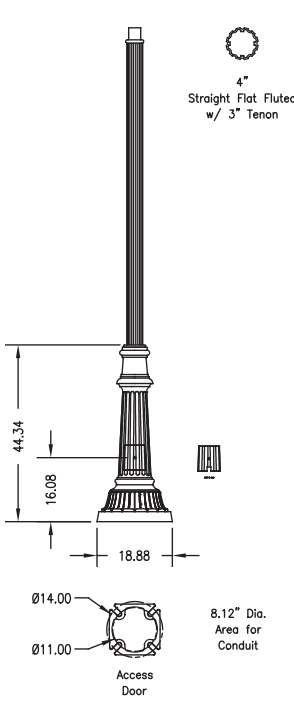
P2520



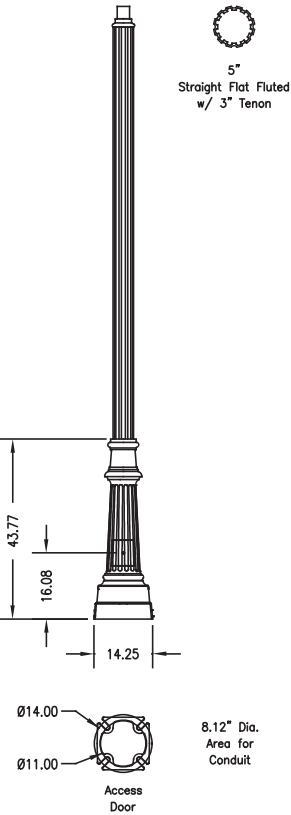
P2525



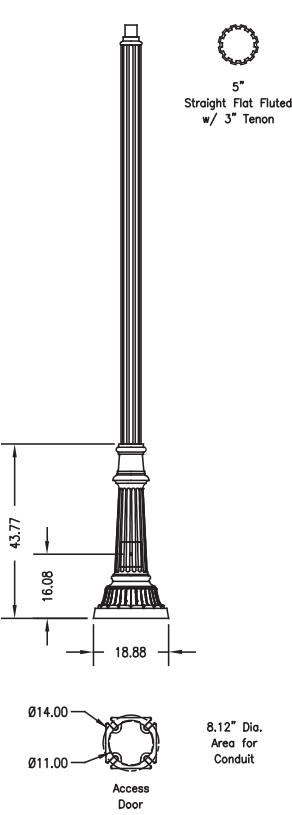
P2540



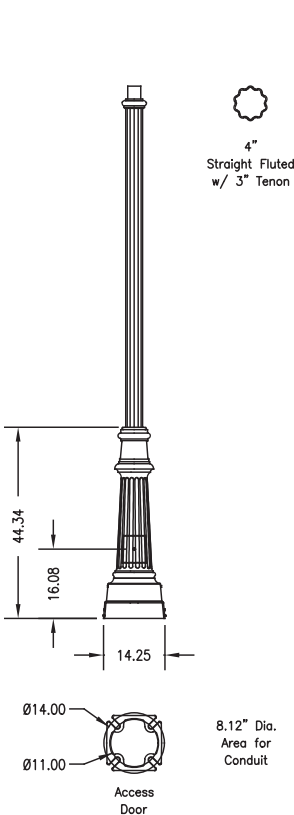
P2545



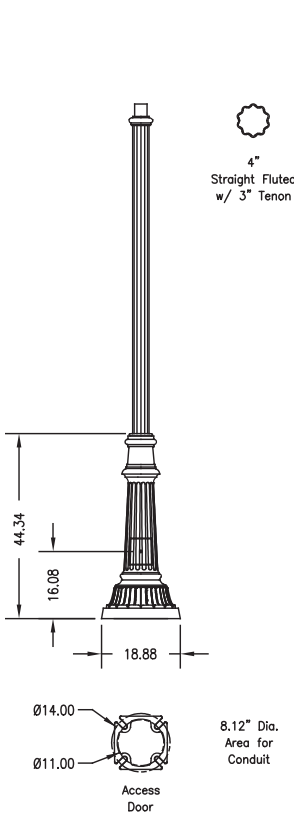
P2550



P2555



P2560



P2565

# P2500 Series

Section 4, Item 4.1

## Urban Decorative Poles

### Pole Specifications

	Pole Family	Catalog Number	Pole Dia. (in.)	Pole Shape	Pole Style	Pole Height (ft.)	Wall Thickness (in.)	Tenon OD x H (in.)	Weight (lbs.)	Bolt Circle (in.)	Base Size Dia. x H (in.)	Hand Hole Size W x H (in.)	Anchor Bolts (in.) *
	P2500	P2520-10	5-3	Tapered	Smooth	10	0.125	3 x 3	81	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
	P2500	P2520-12	5-3	Tapered	Smooth	12	0.125	3 x 3	85	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
	P2500	P2520-14	5-3	Tapered	Smooth	14	0.125	3 x 3	90	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
	P2500	P2520-16	5-3	Tapered	Smooth	16	0.188	3 x 3	108	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
NEW!	P2500	P2520-18	5-3	Tapered	Smooth	18	0.188	3 x 3	115	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
NEW!	P2500	P2520-20	5-3	Tapered	Smooth	20	0.188	3 x 3	115	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
	P2500	P2525-10	5-3	Tapered	Smooth	10	0.125	3 x 3	86	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
	P2500	P2525-12	5-3	Tapered	Smooth	12	0.125	3 x 3	90	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
	P2500	P2525-14	5-3	Tapered	Smooth	14	0.125	3 x 3	95	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
	P2500	P2525-16	5-3	Tapered	Smooth	16	0.188	3 x 3	113	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
NEW!	P2500	P2525-18	5-3	Tapered	Smooth	18	0.188	3 x 3	120	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
NEW!	P2500	P2525-20	5-3	Tapered	Smooth	20	0.188	3 x 3	120	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
	P2500	P2540-10	4	Straight	Fluted, 12 Flat	10	0.188-0.313	3 x 3	90	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
	P2500	P2540-12	4	Straight	Fluted, 12 Flat	12	0.188-0.313	3 x 3	97	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
	P2500	P2540-14	4	Straight	Fluted, 12 Flat	14	0.188-0.313	3 x 3	103	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
	P2500	P2540-16	4	Straight	Fluted, 12 Flat	16	0.188-0.313	3 x 3	109	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
NEW!	P2500	P2540-18	4	Straight	Fluted, 12 Flat	18	0.188-0.313	3 x 3	116	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
NEW!	P2500	P2540-20	4	Straight	Fluted, 12 Flat	20	0.188-0.313	3 x 3	122	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
	P2500	P2545-10	4	Straight	Fluted, 12 Flat	10	0.188-0.313	3 x 3	94	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
NEW!	P2500	P2545-12	4	Straight	Fluted, 12 Flat	12	0.188-0.313	3 x 3	101	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
NEW!	P2500	P2545-14	4	Straight	Fluted, 12 Flat	14	0.188-0.313	3 x 3	107	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
NEW!	P2500	P2545-16	4	Straight	Fluted, 12 Flat	16	0.188-0.313	3 x 3	113	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
NEW!	P2500	P2545-18	4	Straight	Fluted, 12 Flat	18	0.188-0.313	3 x 3	120	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
NEW!	P2500	P2545-20	4	Straight	Fluted, 12 Flat	20	0.188-0.313	3 x 3	126	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
	P2500	P2550-10	5	Straight	Fluted, 12 Flat	10	0.188-0.267	3 x 3	98	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
	P2500	P2550-12	5	Straight	Fluted, 12 Flat	12	0.188-0.267	3 x 3	107	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
	P2500	P2550-14	5	Straight	Fluted, 12 Flat	14	0.188-0.267	3 x 3	116	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
	P2500	P2550-16	5	Straight	Fluted, 12 Flat	16	0.188-0.267	3 x 3	124	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
NEW!	P2500	P2550-18	5	Straight	Fluted, 12 Flat	18	0.188-0.267	3 x 3	133	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
NEW!	P2500	P2550-20	5	Straight	Fluted, 12 Flat	20	0.188-0.267	3 x 3	142	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
	P2500	P2555-10	5	Straight	Fluted, 12 Flat	10	0.188-0.267	3 x 3	102	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
	P2500	P2555-12	5	Straight	Fluted, 12 Flat	12	0.188-0.267	3 x 3	111	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
	P2500	P2555-14	5	Straight	Fluted, 12 Flat	14	0.188-0.267	3 x 3	120	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
	P2500	P2555-16	5	Straight	Fluted, 12 Flat	16	0.188-0.267	3 x 3	128	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
NEW!	P2500	P2555-18	5	Straight	Fluted, 12 Flat	18	0.188-0.267	3 x 3	137	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
NEW!	P2500	P2555-20	5	Straight	Fluted, 12 Flat	20	0.188-0.267	3 x 3	146	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
	P2500	P2560-8	5	Straight	Fluted, 10 Round	8	0.125	3 x 3	78	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
	P2500	P2560-10	5	Straight	Fluted, 10 Round	10	0.125	3 x 3	82	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
	P2500	P2560-12	5	Straight	Fluted, 10 Round	12	0.125	3 x 3	86	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
	P2500	P2560-14	5	Straight	Fluted, 10 Round	14	0.125	3 x 3	90	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
	P2500	P2560-16	5	Straight	Fluted, 10 Round	16	0.125	3 x 3	93	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
NEW!	P2500	P2560-18	5	Straight	Fluted, 10 Round	18	0.125	3 x 3	97	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
NEW!	P2500	P2560-20	5	Straight	Fluted, 10 Round	20	0.125	3 x 3	101	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
	P2500	P2565-8	4	Straight	Fluted, 10 Round	8	0.125	3 x 3	82	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
	P2500	P2565-10	4	Straight	Fluted, 10 Round	10	0.125	3 x 3	86	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
	P2500	P2565-12	4	Straight	Fluted, 10 Round	12	0.125	3 x 3	90	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
	P2500	P2565-14	4	Straight	Fluted, 10 Round	14	0.125	3 x 3	94	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
	P2500	P2565-16	4	Straight	Fluted, 10 Round	16	0.125	3 x 3	97	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
NEW!	P2500	P2565-18	4	Straight	Fluted, 10 Round	18	0.125	3 x 3	101	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3
NEW!	P2500	P2565-20	4	Straight	Fluted, 10 Round	20	0.125	3 x 3	105	11 to 14	12.75 SQ x 43.75	4.375 x 5.75	3/4 x 19 x 3

Tenon height is nominal, the available tenon height can be greater on tapered poles.  
Anchor bolt max projection is determined by the anchor bolt template.

# P2500 Series

## Urban Decorative Poles

### EPA Data

Pole Family	Catalog Number	80 MPH	90 MPH	100 MPH	110 MPH	120 MPH	130 MPH	140 MPH	150 MPH
P2500	P2520-10	28.83	22.22	17.49	13.99	11.33	9.26	7.61	6.29
P2500	P2520-12	24.26	18.63	14.60	11.61	9.35	7.58	6.18	5.05
P2500	P2520-14	20.87	15.96	12.45	9.85	7.88	6.34	5.12	4.14
P2500	P2520-16	20.78	15.90	12.41	9.82	7.86	6.33	5.12	4.14
P2500	P2520-18	18.25	13.87	10.74	8.42	6.66	5.29	4.20	3.32
P2500	P2520-20	16.34	12.37	9.53	7.43	5.83	4.59	3.60	2.80
P2500	P2525-10	28.83	22.22	17.49	13.99	11.33	9.26	7.61	6.29
P2500	P2525-12	24.26	18.63	14.60	11.61	9.35	7.58	6.18	5.05
P2500	P2525-14	20.87	15.96	12.45	9.85	7.88	6.34	5.12	4.14
P2500	P2525-16	20.78	15.90	12.41	9.82	7.86	6.33	5.12	4.14
P2500	P2525-18	18.25	13.87	10.74	8.42	6.66	5.29	4.20	3.32
P2500	P2525-20	16.34	12.37	9.53	7.43	5.83	4.59	3.60	2.80
P2500	P2540-10	25.03	19.26	15.14	12.09	9.77	7.97	6.53	5.38
P2500	P2540-12	21.05	16.14	12.63	10.03	8.05	6.51	5.29	4.31
P2500	P2540-14	18.09	13.82	10.76	8.50	6.78	5.44	4.37	3.52
P2500	P2540-16	14.64	11.13	8.63	6.77	5.36	4.26	3.39	2.69
P2500	P2540-18	12.81	9.66	7.42	5.75	4.48	3.50	2.72	2.09
P2500	P2540-20	11.45	8.59	6.55	5.04	3.90	3.00	2.79	1.72
P2500	P2545-10	25.03	19.26	15.14	12.09	9.77	7.97	6.53	5.38
P2500	P2545-12	21.05	16.14	12.63	10.03	8.05	6.51	5.29	4.31
P2500	P2545-14	18.09	13.82	10.76	8.50	6.78	5.44	4.37	3.52
P2500	P2545-16	14.64	11.13	8.63	6.77	5.36	4.26	3.39	2.69
P2500	P2545-18	12.81	9.66	7.42	5.75	4.48	3.50	2.72	2.09
P2500	P2545-20	11.45	8.59	6.55	5.04	3.90	3.00	2.29	1.72
P2500	P2550-10	44.35	34.29	27.09	21.77	17.72	14.57	12.06	10.05
P2500	P2550-12	37.36	28.79	22.66	18.13	14.68	11.99	9.86	8.14
P2500	P2550-14	32.18	24.71	19.37	15.42	12.42	10.08	8.23	6.73
P2500	P2550-16	26.08	19.96	15.58	12.35	9.88	7.97	6.45	5.22
P2500	P2550-18	22.91	17.41	13.49	10.58	8.37	6.65	5.28	4.18
P2500	P2550-20	20.51	15.53	11.97	9.33	7.33	5.77	4.53	3.53
P2500	P2555-10	44.35	34.29	27.09	21.77	17.72	14.57	12.06	10.05
P2500	P2555-12	37.36	28.79	22.66	18.13	14.68	11.99	9.86	8.14
P2500	P2555-14	32.18	24.71	19.37	15.42	12.42	10.08	8.23	6.73
P2500	P2555-16	26.08	19.96	15.58	12.35	9.88	7.97	6.45	5.22
P2500	P2555-18	22.91	17.41	13.49	10.58	8.37	6.65	5.28	4.18
P2500	P2555-20	20.51	15.53	11.97	9.33	7.33	5.77	4.53	3.53
P2500	P2560-8	19.57	14.83	11.44	8.93	7.03	5.54	4.37	3.42
P2500	P2560-10	15.78	11.87	9.07	7.00	5.42	4.20	3.22	2.44
P2500	P2560-12	13.12	9.78	7.40	5.63	4.29	3.25	2.42	1.75
P2500	P2560-14	11.14	8.24	6.16	4.62	3.45	2.54	1.82	1.24
P2500	P2560-16	8.90	6.52	4.82	3.56	2.60	1.85	1.26	0.78
P2500	P2560-18	7.60	5.46	3.93	2.80	1.94	1.27	0.74	0.31
P2500	P2560-18	6.68	4.75	3.36	2.34	1.56	0.95	0.47	0.08
P2500	P2565-8	19.57	14.83	11.44	8.93	7.03	5.54	4.37	3.42
P2500	P2565-10	15.78	11.87	9.07	7.00	5.42	4.20	3.22	2.44
P2500	P2565-12	13.12	9.78	7.40	5.63	4.29	3.25	2.42	1.75
P2500	P2565-14	11.14	8.24	6.16	4.62	3.45	2.54	1.82	1.24
P2500	P2565-16	8.90	6.52	4.82	3.56	2.60	1.85	1.26	0.78
P2500	P2565-18	7.60	5.46	3.93	2.80	1.94	1.27	0.74	0.31
P2500	P2565-20	6.68	4.75	3.36	2.34	1.56	0.95	0.47	0.08

# P2500 Series

## Urban Decorative Poles

Hadco poles are available with a wide variety of decorative and functional add-ons, adapters, and accessories. Use in combination with Hadco Poles and Hadco Post Top and Hanging Arms to realize your project's vision.

### Post Top Tenon Adapter

example: M0090-A

Product Code	Finish
<input type="text"/>	<input type="text"/>
<b>M0090</b>	4" round pole to 3" OD luminaire tenon
<b>M0091</b>	3" square pole to 3" OD luminaire tenon
<b>M0093</b>	4" square pole to 3" OD luminaire tenon
	<b>A</b> Black <b>B</b> White <b>G</b> Verde <b>H</b> Bronze <b>I</b> Gray <b>J</b> Green <b>Z</b> Custom



### Ladder Rest

example: M0012-A

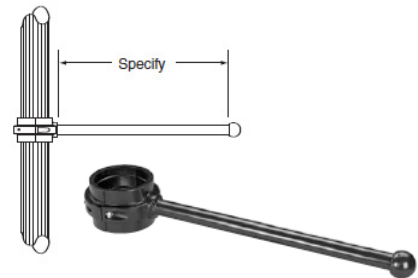
Product Code	Finish
<input type="text"/>	<input type="text"/>
<b>M0012</b>	For 3" OD Tenons (includes extended 3" OD top tenon)
	<b>A</b> Black <b>B</b> White <b>G</b> Verde <b>H</b> Bronze <b>I</b> Gray <b>J</b> Green <b>Z</b> Custom



### Banner Arm Bracket

example: BA31A18B-A

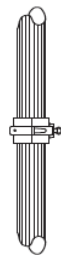
Product Code	Pole Dia.	# of Arms	Materials	Length	Finial	Finish
<b>BA</b>	<input type="text"/>	<input type="text"/>	<b>A</b>	<input type="text"/>	<b>B</b>	<input type="text"/>
<b>BA</b> Banner Arm Bracket	3" 4" 5"	1 One 2 Two at 180°	A Aluminum	18" 24" 30"	B Ball	<b>A</b> Black <b>B</b> White <b>G</b> Verde <b>H</b> Bronze <b>I</b> Gray <b>J</b> Green <b>Z</b> Custom



### Tie Down Bracket

example: TD32-H

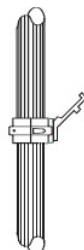
Product Code	Pole Dia.	# of Arms	Finish
<b>TD</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>TD</b> Tie Down Bracket	3" 4" 5"	1 One 2 Two at 180°	<b>A</b> Black <b>B</b> White <b>G</b> Verde <b>H</b> Bronze <b>I</b> Gray <b>J</b> Green <b>Z</b> Custom



### Flag Holder Bracket

example: FHB411-A

Product Code	Pole Dia.	# of Arms	Length	Finish
<b>FHB</b>	<input type="text"/>	<input type="text"/>	<b>12</b>	<input type="text"/>
<b>FHB</b> Flag Holder Bracket	4" 5"	1 One 2 Two at 180°	12"	<b>A</b> Black <b>B</b> White <b>G</b> Verde <b>H</b> Bronze <b>I</b> Gray <b>J</b> Green <b>Z</b> Custom



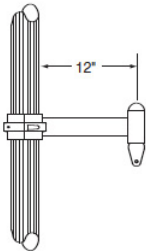
# P2500 Series

## Urban Decorative Poles

### Flower Pot Bracket

example: FPB4212-B

Product Code	Pole Dia.	# of Arms	Length	Finish
FPB			12	
FPB Flower Pot Bracket	4" 5"	1 One 2 Two at 180°	12"	A Black B White G Verde H Bronze I Gray J Green Z Custom



### Other Adapters & Accessories

example: M0004-A

Product Code	Finish
M0004 Button Eye Photocell - 120V	A Black
M0005 Button Eye Photocell - 208V, 240V	B White
	G Verde
M0080 9-1/2" dia. Pier Base w/ 3" O.D. tenon, 7" bolt circle	H Bronze
	I Gray
	J Green
	Z Custom

## Urban Decorative Poles

### Specifications

#### Housing

6000 series extruded aluminum alloy.

#### Anchor Base

356 HM high-strength, low-copper, proprietary cast aluminum alloy. Anchor rods are hot dipped galvanized steel.

#### Finish

A durable polyurethane enamel finish is applied after assemblies are shot blasted to create a surface profile which allows for the highest level of paint adhesion. Laboratory tested for superior weatherability and fade resistance in accordance with ASTM B-117-64 and ANSI/ASTM G53-77 specifications. For larger projects where a custom color is required, or to match other standard Signify brand finishes such as those from Lumec, Gardco, or the discontinued Hanover brand, contact the factory for more information as most special requests can be accommodated.

#### Warranty

Hadco aluminum poles are covered by a 5-year structural and finish warranty. Some exceptions apply. For more information visit [signify.com/warranties](http://signify.com/warranties)

#### Outlets

**Standard Duplex Outlet (D)** includes a universal color-matched metal weatherproof cover. Weatherproof while in use. Heavy-duty all-metal construction. Lockable security cover. Meets NEC 406.9 (B). Weather resistant. Maximum 15A output.

**GFI Duplex Outlet (G)** includes a dual-function indicator light and universal color-matched metal weatherproof cover. Weatherproof while in use. Heavy-duty all-metal construction. Lockable security cover. Meets NEC 406.9 (B). Weather resistant. Maximum 15A output.

#### Buy American Act of 1933 (BAA)

This product is manufactured in one of our US factories and, as of the date of this document, this product was considered a commercially available off-the-shelf (COTS) item meeting the requirements of the BAA. This BAA designation hereunder does not address (i) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (ii) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies. Prior to ordering, please visit [www.signify.com/baa](http://www.signify.com/baa) to view a current list of BAA-compliant products to confirm this product's current compliance.

#### Build America, Buy America Act (BABA)

BABA establishes the minimum domestic content requirements that federal agencies must apply. This BABA designation does not address the "Buy America" domestic content requirements, which may be stricter, imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by federal agencies. Failure to properly select the "BABA" suffix could result in you receiving product that is not BABA compliant product with no recourse for an RMA or refund.

### General Pole Information

#### Design

EPA specs conform to AASHTO 2001 standard. The poles as charted are designed to withstand dead loads and predicted dynamic loads developed by variable wind pressure with an additional 2.5 gust factor under the following conditions: The charted weights include luminaire(s) and/or mounting bracket(s). Poles installed in areas of known abnormal conditions may require special consideration. For example: coastal areas, airports, and areas of special winds. Poles are designed for ground mounted applications. Poles mounted on structures (such as buildings and bridges) may also necessitate special consideration requiring Hadco's recommendation. Height correction factors and drag coefficients are applied to the entire structure. An appropriate safety factor is maintained based on the minimum yield strength of the material incorporated in the pole.

#### Warnings

This design information is intended as a general guideline only. The customer is solely responsible for proper selection of pole, luminaire, accessory, and foundation under the given site conditions and intended usage. The addition of any items to the pole, in addition to the luminaire, will dramatically impact the EPA load on that pole. It is strongly recommended that a qualified professional be consulted to analyze the loads given the user's specific needs to ensure proper selection of the pole, luminaire, accessories, and foundation. Hadco assumes no responsibility for such proper analysis or product selections. Failure to ensure proper site analysis, pole selection, loads and installation can result in pole failure, leading to serious injury or property damage.



Whether you are looking to beautify or add a sense of security and well-being to your outdoor space, the highly configurable Hadco LED refractive post tops paired with the latest LumiLock light engine GX4 will help you achieve your goals. A multitude of exterior luminaire styles allow you to create promenades and areas exuding timeless, historical charm both day and night. The configurable LED light engine GX4 is an ideal alternative to HID sources, providing you with significant energy savings, and more choices for light levels, optics and controls. Includes Service Tag, Hadco's innovative way to provide assistance throughout the life of the product.

Project: \_\_\_\_\_  
 Location: \_\_\_\_\_  
 Cat.No: \_\_\_\_\_  
 Type: \_\_\_\_\_  
 Lamps: \_\_\_\_\_ Qty: \_\_\_\_\_  
 Notes: \_\_\_\_\_

### Ordering guide

Example: RL34 A A B A 1 A S N R7 W A 3 N N N N SP1

Series	Pod	Roof	Cage	Finial	Fastener	Finish	Optic	Pod Photo Control (location inside of pod)
<b>RL34</b> Wide Body Type 3	<b>A</b> Octagonal style	<b>A</b> Victorian	<b>B<sup>1</sup></b> Cage for wide body globe	<b>A</b>	<b>1</b> Hex head	<b>A</b> Black	<b>S</b> Short	<b>E</b> 120 VAC Button Eye
<b>RL54</b> Wide Body Type 5	<b>B</b> Round fitter with scalloped petals	<b>B</b> Acorn	<b>E</b> Band for wide body globe	<b>B</b>	<b>2</b> Allen head	<b>B</b> White	<b>W</b> Wide	<b>H</b> 208/240/277 Button Eye
	<b>H</b> Round contemporary	<b>C</b> Tall	<b>F</b> Band for wide body globe	<b>C<sup>2</sup></b>		<b>G</b> Verde		<b>R<sup>3</sup></b> 3 Pin Receptacle
	<b>L</b> Round fluted long	<b>D</b> Short	<b>G<sup>1</sup></b> Cage for wide body globe	<b>D<sup>2</sup></b>		<b>H</b> Bronze		<b>N</b> None
	<b>T</b> Decorative leaf with scalloped petals	<b>G</b> Adams	<b>I<sup>1</sup></b> Cage for wide body globe	<b>E<sup>2</sup></b>		<b>J</b> Green		
			<b>J<sup>1</sup></b> Cage for wide body globe	<b>F</b>				
			<b>N</b> None	<b>G</b>				
				<b>H</b>				
				<b>N</b> None				
Future Proof Photo Control	Color Temp	Voltage	Drive Current	Integral Control Options	Optional programs			Surge Protection
					Option 1	Option 2	Option 3	
<b>R5<sup>3,4,5</sup></b> pin receptacle on the engine	<b>W</b> 3000K	<b>A</b> 120-277 VAC	<b>2<sup>7</sup></b> 200mA	Dynadimmer <sup>5,8</sup>	<b>AST<sup>5</sup></b> Adjustable start up time	<b>CLO<sup>5</sup></b> Constant light output	<b>OTL<sup>5</sup></b> Over the life	<b>SP1</b> 10kV/10kA Surge Protector
<b>R7<sup>3,4,7</sup></b> pin receptacle on the engine	<b>N</b> 4000K	<b>B</b> 347-480 VAC	<b>3</b> 350mA	<b>DA</b> 4 Hrs 25% Reduction	<b>N</b> None	<b>N</b> None	<b>N</b> None	<b>SP2<sup>6</sup></b> 20kV/10kA Surge Protector
<b>N</b> None			<b>4<sup>7</sup></b> 450mA	<b>DB</b> 4 Hrs 50% Reduction				
			<b>5</b> 530mA	<b>DC</b> 4 Hrs 75% Reduction				
				<b>DD</b> 6 Hrs 25% Reduction				
				<b>DE</b> 6 Hrs 50% Reduction				
				<b>DF</b> 6 Hrs 75% Reduction				
				<b>DG</b> 8 Hrs 25% Reduction				
				<b>DH</b> 8 Hrs 50% Reduction				
				<b>DJ</b> 8 Hrs 75% Reduction				
				<b>DL<sup>5</sup></b> DALI				
				<b>S<sup>9</sup></b> FAWS Switch				
				<b>N</b> None				

- 1 Not available with A pod.
- 2 Not available with B Roof.
- 3 Use of photoelectric cell (pod photo control (R) only) or shorting cap is required to ensure proper illumination. When R, R5, R7 options are selected, product will ship with shorting cap(s) installed.
- 4 Only available with A, C, and G roofs, InteractCity will fit and communicate properly - other nodes need to be confirmed. Does not fit with B and D roofs.
- 5 Optional Dynadimmer dimming schedules, DALI, AST, CLO, and OTL not available with 347-480 VAC.
- 6 When SP2 option is selected, luminaire will be fitted with SP2 instead of SP1.
- 7 Not available with B 347-480 voltage.
- 8 Not available with R5 or R7.
- 9 FAWS not available with CLO.



### Wide Body Type 3 – Acrylic Roof

						Short	Wide			
Catalog Logic	LED QTY	System Current (mA)	Color Temperature	Avg System Wattage <sup>1</sup> (W)	Lumen Output	Efficacy (Lm/W)	BUG rating	Lumen Output	Efficacy (Lm/W)	BUG rating
RL34-A-x-W-2	64	200	3000	39	5866	149	B2-U5-G3	5801	148	B2-U5-G3
RL34-A-x-W-3	64	350	3000	69	9900	143	B2-U5-G4	9789	142	B2-U5-G4
RL34-A-x-W-4	64	450	3000	88	12099	138	B3-U5-G5	11965	137	B3-U5-G4
RL34-A-x-W-5	64	530	3000	104	14060	135	B3-U5-G5	13903	133	B3-U5-G5

### Wide Body Type 3 – Metal Roof

						Short	Wide			
Catalog Logic	LED QTY	System Current (mA)	Color Temperature	Avg System Wattage <sup>1</sup> (W)	Lumen Output	Efficacy (Lm/W)	BUG rating	Lumen Output	Efficacy (Lm/W)	BUG rating
RL34-D-x-W-2	64	200	3000	39	3986	101	B1-U3-G3	3899	99	B1-U3-G3
RL34-D-x-W-3	64	350	3000	69	6725	97	B2-U4-G3	6583	95	B2-U3-G3
RL34-D-x-W-4	64	450	3000	88	8220	94	B2-U4-G4	8042	92	B2-U3-G4
RL34-D-x-W-5	64	530	3000	104	9553	92	B3-U4-G4	9352	90	B3-U4-G4

### Wide Body Type 5 – Acrylic Roof

						Short	Wide			
Catalog Logic	LED QTY	System Current (mA)	Color Temperature	Avg System Wattage <sup>1</sup> (W)	Lumen Output	Efficacy (Lm/W)	BUG rating	Lumen Output	Efficacy (Lm/W)	BUG rating
RL54-A-x-W-2	64	200	3000	39	5806	149	B2-U5-G3	5628	144	B3-U5-G2
RL54-A-x-W-3	64	350	3000	69	9755	142	B3-U5-G3	9604	140	B3-U5-G3
RL54-A-x-W-4	64	450	3000	87	11817	136	B3-U5-G4	11739	135	B4-U5-G3
RL54-A-x-W-5	64	530	3000	104	13743	133	B3-U5-G4	13659	132	B4-U5-G3

### Wide Body Type 5 – Metal Roof

						Short	Wide			
Catalog Logic	LED QTY	System Current (mA)	Color Temperature	Avg System Wattage <sup>1</sup> (W)	Lumen Output	Efficacy (Lm/W)	BUG rating	Lumen Output	Efficacy (Lm/W)	BUG rating
RL54-D-x-W-2	64	200	3000	39	4106	105	B2-U3-G2	3871	99	B3-U3-G2
RL54-D-x-W-3	64	350	3000	69	6697	98	B3-U4-G3	6534	95	B3-U3-G3
RL54-D-x-W-4	64	450	3000	87	8184	94	B3-U4-G3	7982	92	B3-U3-G3
RL54-D-x-W-5	64	530	3000	104	9462	91	B3-U4-G3	9281	89	B4-U4-G3

### Wide Body Type 3 – Acrylic Roof

						Short	Wide			
Catalog Logic	LED QTY	System Current (mA)	Color Temperature	Avg System Wattage <sup>1</sup> (W)	Lumen Output	Efficacy (Lm/W)	BUG rating	Lumen Output	Efficacy (Lm/W)	BUG rating
RL34-A-x-N-2	64	200	4000	39	6335	161	B2-U5-G3	6266	159	B2-U5-G3
RL34-A-x-N-3	64	350	4000	69	10696	155	B2-U5-G4	10577	153	B2-U5-G4
RL34-A-x-N-4	64	450	4000	88	13066	149	B3-U5-G5	12921	148	B3-U5-G5
RL34-A-x-N-5	64	530	4000	104	15194	146	B3-U5-G5	15026	144	B3-U5-G5

### Wide Body Type 3 – Metal Roof

						Short	Wide			
Catalog Logic	LED QTY	System Current (mA)	Color Temperature	Avg System Wattage <sup>1</sup> (W)	Lumen Output	Efficacy (Lm/W)	BUG rating	Lumen Output	Efficacy (Lm/W)	BUG rating
RL34-D-x-N-2	64	200	4000	39	4304	110	B1-U3-G3	4230	108	B2-U3-G3
RL34-D-x-N-3	64	350	4000	69	7268	105	B2-U4-G4	7141	103	B2-U3-G3
RL34-D-x-N-4	64	450	4000	88	8878	101	B3-U4-G4	8723	100	B3-U4-G4
RL34-D-x-N-5	64	530	4000	104	10322	99	B3-U5-G4	10143	97	B3-U4-G4

Values from photometric tests performed in accordance with IESNA LM-79 and are representative of the configurations shown. Actual performance may vary due to installation and environmental variables, LED and driver tolerances, and field measurement considerations. It is highly recommended to confirm performance with a photometric layout.

**NOTE:** Some data may be scaled based on tests of similar (but not identical) luminaires. Contact factory for configurations not shown.

### Wide Body Type 5 – Acrylic Roof

Catalog Logic	LED QTY	System Current (mA)	Color Temperature	Avg System Wattage <sup>1</sup> (W)	Lumen Output	Short		Lumen Output	Wide	
						Efficacy (Lm/W)	BUG rating		Efficacy (Lm/W)	BUG rating
RL54-A-x-N-2	64	200	4000	39	6274	161	B3-U5-G3	6082	156	B3-U5-G2
RL54-A-x-N-3	64	350	4000	69	10542	154	B3-U5-G4	10379	152	B3-U5-G3
RL54-A-x-N-4	64	450	4000	87	12770	147	B3-U5-G4	12686	146	B4-U5-G3
RL54-A-x-N-5	64	530	4000	104	14852	143	B3-U5-G4	14760	142	B4-U5-G4

### Wide Body Type 5 – Metal Roof

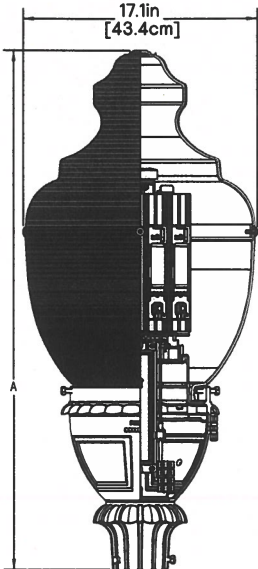
Catalog Logic	LED QTY	System Current (mA)	Color Temperature	Avg System Wattage <sup>1</sup> (W)	Lumen Output	Short		Lumen Output	Wide	
						Efficacy (Lm/W)	BUG rating		Efficacy (Lm/W)	BUG rating
RL54-D-x-N-2	64	200	4000	39	4286	110	B2-U3-G2	4164	106	B3-U3-G2
RL54-D-x-N-3	64	350	4000	69	7236	105	B3-U4-G3	7030	102	B3-U3-G3
RL54-D-x-N-4	64	450	4000	87	8839	101	B3-U4-G3	8588	99	B4-U4-G3
RL54-D-x-N-5	64	530	4000	104	10279	99	B3-U4-G4	9986	96	B4-U4-G3

Values from photometric tests performed in accordance with IESNA LM-79 and are representative of the configurations shown. Actual performance may vary due to installation and environmental variables, LED and driver tolerances, and field measurement considerations. It is highly recommended to confirm performance with a photometric layout.

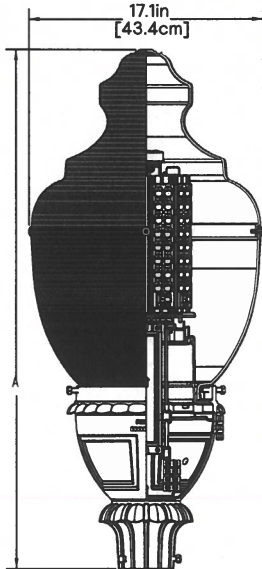
**NOTE:** Some data may be scaled based on tests of similar (but not identical) luminaires. Contact factory for configurations not shown.

## Dimensions

### RL34 - Type 3



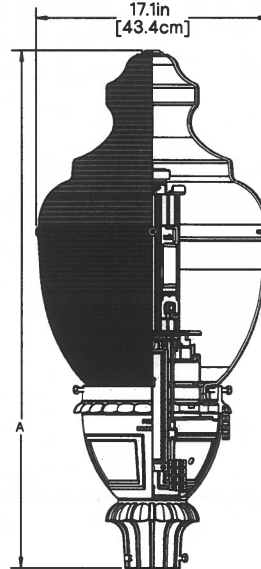
RL34BANNxxW configuration shown



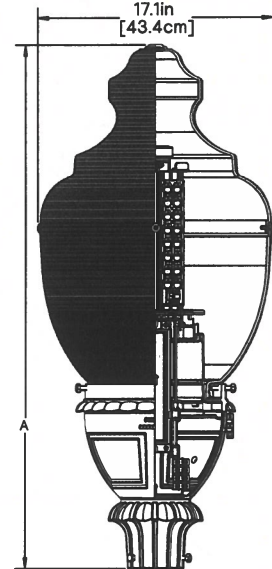
RL34BANNxxS configuration shown

### RL54 - Type 5

GLOBE



RL54BANNxxW configuration shown



RL54BANNxxS configuration shown

Roof	Dimension "A"	
	(in)	(cm)
A Victorian	37.9	96.3
B Acorn	34.4	87.3
C Tall	36.3	92.2
D Short	32.0	81.3
G Adams	35.7	90.7

EPA: 2.08 sq. ft. (Varies depending on options selected)  
Weight: 55lbs (maximum)

Dimensions will vary when other pod, cage and brim options are specified.  
See specification text on pages 5 and 6 for option dimensions.

## Housing Options

### Fitter/Pod Options



A Octagonal



B Round with Scalloped Petals



H Round Contemporary



L Round Fluted Long



T Decorative Leaf w/ Scalloped Petals

### Roof Options



A Victorian



B Acorn



C Tall



D Short



G Adams

### Cage/Band Options



B Cage for Wide Body Globe



E Band for Wide Body Globe



F Band for Wide Body Globe



G Cage for Wide Body Globe



I Cage for Wide Body Globe



J Cage for Wide Body Globe

### Finial Options



A



B



C



D



E



F



G



H

NO FINIAL

BAND

## Predicted Lumen Depreciation Data

Predicted performance derived from LED manufacturer's data and engineering design estimates, based on IESNA LM-80 methodology. Actual experience may vary due to field application conditions. L70 is the predicted time when LED performance depreciates to 70% of initial lumen output. Calculated per IESNA TM21-11. Published L70 hours limited to 6 times actual LED test hours.

Driver mA	Optic	Ambient Temperature °C	Calculated L <sub>70</sub> Hours	L <sub>70</sub> per TM-21 (Hours)	Lumen Maintenance % at 60,000 hrs
530	Wide	25	>85,000	>60,000 hours	>88%
530	Short	25	>100,000	>54,000 hours	>98%
450	Wide	25	>100,000	>60,000 hours	>93%
450	Short	25	>100,000	>54,000 hours	>98%
350	Wide	25	>100,000	>60,000 hours	>94%
350	Short	25	>100,000	>54,000 hours	>98%
200	Wide	25	>100,000	>60,000 hours	>94%
200	Short	25	>100,000	>54,000 hours	>98%

## Field Adjustable Wattage (FAWS) Multiplier Chart

All 350, 450, and 530 mA Configurations

FAWS Position	Typical Delivered Lumens Multiplier	Typical System wattage and typical current
1	0.30	0.28
2	0.53	0.48
3	0.62	0.56
4	0.73	0.67
5	0.78	0.73
6	0.83	0.78
7	0.87	0.85
8	0.91	0.89
9	0.95	0.93
10	1.00	1.00

All 200mA Configurations

FAWS Position	Typical Delivered Lumens Multiplier	Typical System wattage and typical current
1	0.30	0.35
2	0.50	0.55
3	0.59	0.62
4	0.69	0.72
5	0.77	0.80
6	0.83	0.85
7	0.88	0.90
8	0.93	0.92
9	0.96	0.97
10	1.00	1.00

**Note:** Typical value accuracy +/- 5%

## Specifications

### Housing

#### Optional Pods:

**A:** Octagonal style fitter is constructed of die-cast 360 aluminum alloy, low copper for high resistance to corrosion, with bottom-hinged door providing 135° entry into the fitter assembly for easy access to the electrical components. Accepts standard Hadco twistlock LumiLock LED light engine GX4 assemblies. Wiring terminal block accepts three #8 solid or stranded wires. Optional internal twist-lock photo eye receptacle or optional button eye photocell. Easy access to photo eye through the door on the pod. Heavy cast aluminum post fitter utilizes four 5/16-18 black cadmium stainless steel set screws (Hex head or Allen head as specified) for mounting to 3" O.D. post tenon. Globe holder has an internal water trap to prevent water from entering driver compartment. Globe is held by utilizing four 5/16-18 black cadmium stainless steel fasteners (Hex head or Allen head as specified). All hardware to be stainless steel and captive. Pod height is 10-3/4" and width is 10-1/4".

**B:** Round fitter with scalloped petals is constructed of die-cast 360 aluminum alloy, low copper for high resistance to corrosion, with side-hinged door providing 180° entry into the fitter assembly for easy access to the electrical components. Accepts standard Hadco twistlock LumiLock LED light engine GX4 assemblies. Wiring terminal block accepts three #8 solid or stranded wires. Optional internal twist-lock photo eye receptacle or optional button eye photocell. Easy access to photo eye through the door on the pod. Heavy cast aluminum post fitter utilizes four 5/16-18 black cadmium stainless steel set screws (Hex head or Allen head as specified) for mounting to 3" O.D. post tenon. Globe holder has an internal water trap to prevent water from entering driver compartment. Globe is held by utilizing four 5/16-18 black cadmium stainless steel fasteners (Hex head or Allen head as specified). All hardware to be stainless steel and captive. Pod height is 12-1/4" and width is 11-1/2".

**H:** Round contemporary fitter is constructed of 356 HM High-Strength cast aluminum, low copper for high resistance to corrosion. Accepts standard Hadco twistlock LumiLock LED light engine GX4 assemblies. Wiring terminal block accepts three #8 solid or stranded wires. Optional internal twist-lock photo eye receptacle or optional internal button eye photocell. Easy access to photocell through tool-less door on pod. Heavy cast aluminum post fitter utilizes four 5/16-18 black cadmium stainless steel set screws (Hex head or Allen head as specified) for mounting to 3" O.D. post tenon. Globe holder has an internal water trap to prevent water from entering driver compartment. Globe is held by utilizing four 5/16-18 black cadmium stainless steel fasteners (Hex head or Allen head as specified). All hardware to be stainless steel and captive. Pod height is 10" and width is 10".

**L:** Round fluted long fitter is constructed of 356 HM High-Strength cast aluminum, low copper for high resistance to corrosion, with a side-hinged door providing entry into the fitter assembly for easy access to the electrical components. Accepts standard Hadco twistlock LumiLock LED light engine GX4 assemblies. Wiring terminal block accepts three #8 solid or stranded wires. Optional internal twist-lock photo eye receptacle or button eye photocell. Tool-less access to photo eye through the door on the pod. Heavy cast aluminum post fitter utilizes three 5/16-18 black cadmium stainless steel set screws (Hex head or Allen head as specified) for mounting to 3" O.D. post tenon. Globe holder has an internal water trap to prevent water from entering the driver compartment. Globe is attached using four 5/16-18 black cadmium stainless steel fasteners (Hex head or Allen head as specified). Pod height is 12-1/2" and width is 10-3/4".

**T:** Decorative Leaf fitter with scalloped petals is constructed of 356 HM High-Strength cast aluminum, low copper for high resistance to corrosion, with side-hinged door providing 180° entry into the fitter assembly for easy access to the electrical components. Accepts standard Hadco twistlock LumiLock LED light engine GX4 assemblies. Wiring terminal block accepts three #8 solid or stranded wires. Optional internal twist-lock photo eye receptacle or optional button eye photocell. Easy access to photo eye through the door on the pod. Heavy cast aluminum post fitter utilizes four 5/16-18 black cadmium stainless steel set screws (Hex head or Allen head as specified) for mounting to 3" O.D. post tenon. Globe holder has an internal water trap to prevent water from entering driver compartment. Globe is held by utilizing four 5/16-18 black cadmium stainless steel fasteners (Hex head or Allen head as specified). All hardware to be stainless steel and captive. Pod height is 15-1/4" and width is 11-1/2".

### Roof

**A:** Victorian style roof is clear injection molded U.V. stabilized acrylic with 99 horizontal prisms for a soft, even glow. 13" height and 16-1/2" width. The roof and bottom globe sections are secured in a slip-fit, 1/2" overlap design and use four #10-24 stainless steel pan head screws with four aluminum nuts providing a mechanical lock and enabling easy future replacement of either the roof or bottom globe section if required.

**B:** Acorn style roof is clear injection molded U.V. stabilized acrylic with 74 horizontal prisms for a soft, even glow. 9-1/2" height and 16-3/4" width. The roof and bottom globe sections are secured in a slip-fit, 1/2" overlap design and use four #10-24 stainless steel pan head screws with four aluminum nuts providing a mechanical lock and enabling easy future replacement of either the roof or bottom globe section if required.

**C:** Roof is 0.060" thick spun aluminum. 12" height and 17" width. The roof and bottom globe sections are secured in a slip-fit, 1/2" overlap design and use four #10-24 stainless steel pan head screws with four aluminum nuts providing a mechanical lock and enabling easy future replacement of either the roof or bottom globe section if required.

**D:** Roof is 0.090" thick spun aluminum. 8-1/2" height and 16-1/2" width. The roof and bottom globe sections are secured in a slip-fit, 1/2" overlap design and use four #10-24 stainless steel pan head screws with four aluminum nuts providing a mechanical lock and enabling easy future replacement of either the roof or bottom globe section if required.

**G:** Roof is 0.080" thick spun aluminum. 10-1/2" height and 16-3/4" width. The roof and bottom globe sections are secured in a slip-fit, 1/2" overlap design and use four #10-24 stainless steel pan head screws with four aluminum nuts providing a mechanical lock and enabling easy future replacement of either the roof or bottom globe section if required.

### Cage

**B:** Cage for Wide body globes (16-1/2" dia.) is constructed of die-cast 360 aluminum alloy, low copper for high resistance to corrosion. Cage has 4 legs each with square decorative flower block. Solid rectangular band around top of cage. Height of cage is 15" and width of cage is 20". Finish is polyester thermoset powdercoat. (NOTE : Cannot be used with "A" Pod.)

**E:** Band for Wide body globes (16-1/2" dia.) is architectural slotted aluminum. Supported at 4 points by cast aluminum square flower blocks. **F:** Band for Wide body globes (16-1/2" dia.) is architectural slotted aluminum supported at 4 points by cast aluminum round flower blocks.

**G:** Cage for Wide body globes (16-1/2" dia.) is constructed of 356 HM High-Strength cast aluminum, low copper for high resistance to corrosion. Arched, decorative legs are welded to form a one-piece unit. Height of cage is 13" and width of cage is 18-1/2". (NOTE : Cannot be used with "A" Pod.)

**I:** Cage for Wide body globes (16-1/2" dia.) is constructed of 356 HM High-Strength cast aluminum, low copper for high resistance to corrosion. Cage has 2 curved legs. Solid fluted band around top of cage. Height of cage is 14-1/2" and width of cage is 19-3/4". (NOTE : Cannot be used with "A" Pod.)

**J:** Cage for Wide body globes (16-1/2" dia.) is constructed of 356 HM High-Strength cast aluminum, low copper for high resistance to corrosion. Cage has 4 curved legs. Solid fluted band around top of cage. Height of cage is 14-1/2" and width of cage is 19-3/4".. (NOTE : Cannot be used with "A" Pod.)

## Specifications (continued)

### Finials

All finials are cast aluminum mounted with 1/4-20 stainless steel threaded studs. Standard finial finish will match fixture finish as specified. Finish is thermoset powdercoat. (NOTE : C, D, and E finials are not available with "B" Roof.)

### Fasteners

Used to secure post fitter to post tenon and globe to globe holder.

1: Hex Head Bolts: Black cadmium stainless steel.

2: Allen Head Bolts: Black cadmium stainless steel.

### Light engine

GX4 is composed of four main components: Heat Sink, LED, Optical System, and Driver. Electrical components are RoHS compliant.

Entire luminaire is rated for operation in ambient temperature of -40°C / -40°F up to +40°C / +104°F. B Voltage configurations rated for operation in ambient temperature of -40°C / -40°F up to +35°C / +95°F.

### LED & Optics

Composed of 64 high power LEDs. LED board substrate is MCPCB (Metal Core Printed Circuit Board), designed to minimize thermal resistance from LED junction to heat sinks, ensures greater heat transfer and longer lifespan. Color temperature as per ANSI/NEMA bin Neutral White, 4000 Kelvin nominal (3985K+/ 275K or 3710K to 4260K) or Warm White, 3000 Kelvin nominal (3045K +/- 175K or 2870K to 3220K), CRI 70 Min. 75 Typical.

(W) Wide and (S) Short Optic choices are available. Both optics are made of optical grade PC and have been optimized to achieve maximum spacing, target lumens, and a superior lighting uniformity.

**Wide Optics** – Superior performance and light level uniformity for applications where typical pole spacing is approximately six times mounting height of luminaire.

**Short Optics** – Superior performance and light level uniformity for applications where typical pole spacing is approximately five times mounting height of luminaire. Provides higher illumination levels under pole area, ideal for increased security and applications requiring superior facial recognition.

Type 3 and Type 5 distribution choices are available. NOTE: Distribution can easily be changed in the field simply by loosening two screws (and removing top bracket with twistlock receptacle, if applicable), then moving two of the light bars – see instructions for details.

LEDs and optics (S) Short or (W) Wide form an IP66 light engine to ensure complete environmental protection against water and dust ingress and corrosion, critical to long term LED reliability. All wiring is full copper, with 105C rated insulation. LED modules are secured to heatsinks using #8 stainless steel hardware, guaranteeing construction rigidity and vibration resistance.

### Heat sinks

LED Engine construction consists of four 6063-T5 aluminum heat sinks, clear anodized to MIL-A-8625 specifications for excellent corrosion resistance and surface finish. Fin spacing has been optimized for maximum convective heat transfer under natural convection conditions, maximizing LED life and efficiency. Heat sinks provide greater than 700 sq. in. of convective surface area total, ensuring proper junction temperature control, lumen maintenance, and system reliability. Extruded heatsinks meet or exceed tolerances as specified by AEC (Aluminum Extruders Council) standards and have been designed to provide superior surface flatness, ensuring excellent contact between heatsinks and LEDs. Product does not use any cooling device with moving parts (passive cooling only).

Heat sinks are secured using galvanized steel brackets and stainless steel hardware to provide additional corrosion resistance.

### Globe Assembly

Wide body globe is constructed of clear injection-molded U.V. stabilized acrylic. A two-piece (Globe and Roof) slipfit, 1/2" overlap, design utilizes nutserts and stainless steel fasteners, which eliminates a "butt-glue" seam appearance. The optical section of the globe has a neck opening of 7-3/8" and an outside neck diameter of 8". Globe (less the roof) has a 12-7/8" height and 16-3/4" width at the top with 98 horizontal prisms and 360 highly polished vertical prisms.

### Driver

Driver comes standard with 0-10V dimming capability. High power factor of 95%. Electronic driver, operating range 50/60 Hz. Auto adjusting universal voltage input from 120 to 277 VAC rated for both application line to line or line to neutral, Class I, THD of 20% max. Driver operating ambient temperature range is -40F (-40C) to +130F (+55C). Certified in compliance to UL1310 cULus requirement (dry and damp location). Assembled on a LumiLock twistlock removable cover with Tyco quick disconnect plug resisting to 221°F (105°C). The current supplying the LEDs will be reduced by the driver if the driver experiences internal overheating as a protection to the LEDs and the electrical components. Output is protected from short circuits, voltage overload and current overload. Automatic recovery after correction. Standard built in driver surge protection of 2.5kV (min). Due to the inrush current that occurs with electronic drivers, recommend using a time-delay or slow blow fuse to avoid unwanted fuse blowing (false tripping) that can occur with normal or fast acting fuses.

### Driver Options

**AST:** Pre-set driver for progressive start-up of the LED module(s) to optimize energy management and enhance visual comfort at start-up.

**CLO:** Pre-set driver to manage the lumen depreciation by adjusting the power given to the LEDs offering the same lighting intensity during the entire lifespan of the LED module.

**OTL:** Pre-set driver to signal end of life of the LED module(s) for better fixture management.

### Dimming Options

**DA:** 4 Hrs 25% Reduction

**DB:** 4 Hrs 50% Reduction

**DC:** 4 Hrs 75% Reduction

**DD:** 6 Hrs 25% Reduction

**DE:** 6 Hrs 50% Reduction

**DF:** 6 Hrs 75% Reduction

**DG:** 8 Hrs 25% Reduction

**DH:** 8 Hrs 50% Reduction

**DJ:** 8 Hrs 75% Reduction

**DAL:** Pre-set driver compatible with DALI logarithmic control system.

### FAWS

Field Adjustable Wattage Selector, pre-set to the highest position, can be easily switched in the field to the required position. This reduces total luminaire wattage consumption and reduces the light level – see the FAWS multiplier chart for more details.

**Note:** It is not recommended to use FAWS with other dimming or controls; if you do, set the switch to position 10 (maximum output) to enable the other dimming or controls. Switching FAWS to any position other than 10 will disable the other dimming or controls.



### Specifications (continued)

Scenarios	Pod Photo Control Options	Future Proof Photo Control Options
Scenario 1: Basic Level of Controls only	Choose E, H or R depending on your requirements	Choose None
Scenario 2: Network Control Solutions are being used immediately on this project	Choose None	Choose R5 or R7 (will ship with a shorting cap for you to remove and replace with your node)
Scenario 3: You would like the product to be future proof because one day you will use a networked lighting controls system. You also require the use of a basic photo control system now to turn your lights on and off	Choose E, H or R depending on your requirements	Choose R5 or R7 (will ship with a shorting cap for you to remove and replace with your node, then move the shorting cap to the pod receptacle R if applicable). If you used a button eye, disconnect the button eye.

### Future Proof Photo Control Options

**R5** – Receptacle with 5 pins enabling dimming. Can be used with a twist lock node or a shorting cap. Will ship with a shorting cap installed for this product. Remove shorting cap when you are ready to install your node.

**R7** – Receptacle with 7 pins enabling dimming and additional functionality (to be determined). Can be used with a twist lock node or a shorting cap. Will ship with a shorting cap installed for this product. Remove shorting cap when you are ready to install your node.

### Surge Protection

Surge protector tested in accordance with ANSI/IEEE C62.45 per ANSI/IEEE C62.41.2 Scenario I Category C High Exposure 10kV/10kA waveforms for Line Ground, Line Neutral and Neutral Ground, and in accordance with U.S. DOE (Department of Energy) MSSLC (Municipal Solid State Street Lighting Consortium) model specification for LED roadway luminaires electrical immunity requirements for High Test Level 10kV / 10kA. Optional SP2: 20kV / 10kA surge protection device that provides extra protection beyond the SP1 10kV/10kA level.

### Finish

Color in accordance with the AAMA 2603 standard. Application of polyester powder coat paint (4 mils/100 microns) with ± 1 mils / 24 microns of tolerance. The Thermosetting resins provides a discoloration resistant finish in accordance with the ASTM D2244 standard, as well as luster retention in keeping with the ASTM D523 standard and humidity proof in accordance with the ASTM D2247 standard. The surface treatment achieves a minimum of 2000 hours for salt spray resistant finish in accordance with testing performed and per ASTM B117 standard.

### Luminaire Useful Life

Refer to IES files for energy consumption and delivered lumens for each option. Based on ISTMT in situ thermal testing in accordance with UL1598 and UL8750, exclusive Signify System Reliability

Tool, Advance driver data and LED manufacturer LM-80/TM-21 data, expected to reach 100,000+ hours with >L70 lumen maintenance @ 25°C. 530mA configurations with short optics expected to reach 95,000+ hours with >L70 lumen maintenance @ 25C. 530mA configurations with wide optics expected to reach >75,000 hours with >L70 lumen maintenance @ 25C. Luminaire useful life accounts for LED lumen maintenance AND all of these additional factors including: LED color shift, LED life, driver life, PCB substrate, solder joints, on/off cycles, burning hours and corrosion. Lifetime statements do not include the use of controls, including networked controllers.

### LED products manufacturing standard

The electronic components sensitive to electrostatic discharge (ESD) such as light emitting diodes (LEDs) are assembled in compliance with IEC61340-5-1 and ANSI/ ESD S20.20 standards so as to eliminate ESD events that could decrease the useful life of the product.

### Quality Control

The manufacturer must provide a written confirmation of its ISO 9001 2008 and ISO 14001 2004 International Quality Standards Certification.

### Vibration Resistance

Meets the ANSI C136.31 2001, American National Standard for Roadway Luminaire Vibration specifications for Normal applications, tested by a certified lab over 100,000 cycles in all three axes.

### Service Tag

Each individual luminaire is uniquely identifiable, thanks to the Service tag application. With a simple scan of a QR code, placed inside the luminaire, you gain instant access to the luminaire configuration, making installation and maintenance operations faster and easier, no matter what stage of the luminaire's lifetime. Just download the app and register your product right away.

For more details visit: [signify.com/servicetag](http://signify.com/servicetag)

### Certifications and Compliance

cETLus Listed for Canada and U.S. to the UL 1598 and UL8750 standards, suitable for Wet Locations. The quality systems of the facility where manufactured have been registered by UL to the ISO 9001 series standards. LM80 & LM79 tested. Configurations are DesignLights Consortium qualified, consult DLC QPL Qualified Products List for more details.

### IP Ratings

IP66 rated LED light engine.

### Warranty

5-year limited warranty. Options available for extended warranties – contact factory.

See [signify.com/warranties](http://signify.com/warranties) for details and restrictions.

### Buy American Act of 1933 (BAA):

This product is manufactured in one of our US factories and, as of the date of this document, this product was considered a commercially available off-the-shelf (COTS) item meeting the requirements of the BAA.

This BAA designation hereunder does not address (i) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (ii) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies. Prior to ordering, please visit [www.signify.com/baa](http://www.signify.com/baa) to view a current list of BAA-compliant products to confirm this product's current compliance.





## Foundation Report

- Marketing for Pumpkin Patch in September will go out this weekend, focused more on selling pumpkins with a few vendors.