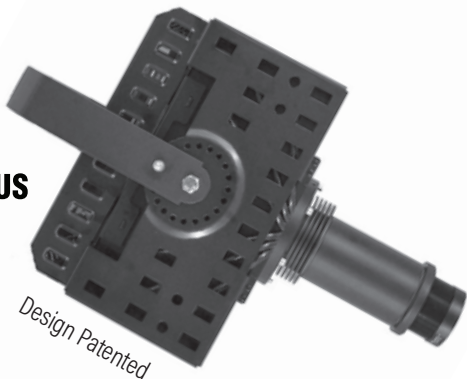


# ECO Spot™ B300PCE LED Gobo Projector - Spec Sheet

## Weather and Dustproof Projector for Rugged Environments

- Passive cooling** - no moving parts such as fans or motors
- Applications** - for bright environments, large projection sizes and long distance projections
- UL/cUL Certified** - for wet and dusty environments
- Interchangeable Projection Lenses** - for a wide range of projection distances and sizes



### SPECIFICATIONS

- Order Code:** ES-B300PCE
- Power Suply:** 100-277V, 50/60Hz, 2.7A, 270W
- Temp Rating:** -22°F to 140°F (-30°C to 60°C)
- Environment:** Rugged, dusty, wet environments

- Lamp Type:** LED - 300 Watt
- LED Power Range:** Field Adjustable, 270W to 90W (see application notes)
- Rated LED Lifespan:** 25,000 hours to 60,000 hours depending on power setting
- LED Color Temp:** 8,000k +/- 500k
- Luminous Flux:** 20,000lm (effective flux 11,500lm)

- Projection Lenses:**
  - Narrow: f=290mm/10°
  - Semi-Narrow: f=210mm/13°
  - Medium: f=140mm/20°
  - Semi-Wide: f=115mm/25°
  - Wide: f=92mm/30°
  - Ultra-Wide: f=56mm/40° - please note, lens has max Gobo ID of 44mm
- Gobo Size:** M-Size - Outside Diameter: 66mm, Image Diameter: 48mm (ID=44mm for ultra-wide lens)
- Gobo Types:** Glass or Metal Gobos only, no Film Gobos

- Projection Range**
- Bright Environment:** - Up to 60 feet
- Dim Environment:** - Up to 200 feet
- Dark Environment:** - Up to 400 feet

- Safety Standards:** UL 48 Standard for Electric Signs, CSA C22.2 No. 207-15 Standard for Portable and Stationary Electric Signs and Displays. E493665 Rated for Wet Environments
- UL Certificate Number:**



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## Dimensions

Projector Body: 14.5" x 16.5" x 12"

Projector Weight: 50lbs

## Total Length

Including Projection Lens: - 21.5"

with Narrow or Semi-Narrow Lens: - 25"

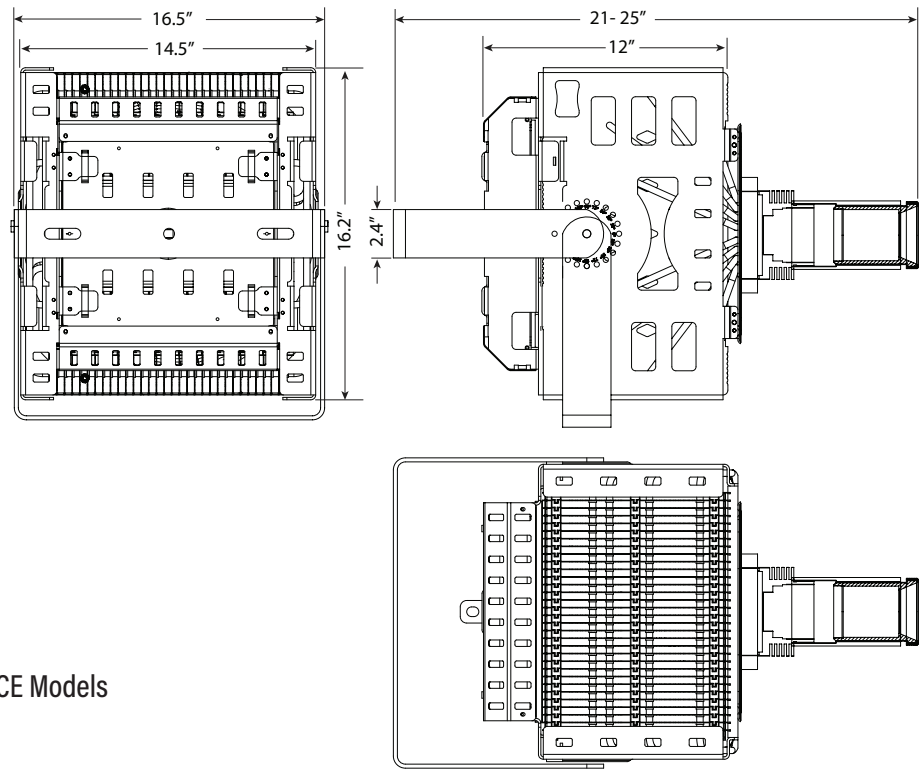
## Shipping Dimensions

Box Size: 28" x 20.5" x 19"

Box Weight: 56.5lbs

## Product Warranty

Two year repair/replacement warranty for PCE Models



| Model<br>Gobo Size     | Gobo<br>max ID | Lens           | Beam<br>Mult. | Effective<br>Im | Efficiency<br>lm/W | Value                     | PROJECTION DISTANCE IN FEET (ft) |     |     |     |      |      |      |     |     |     |      |      |      |                                        |      |      |  |
|------------------------|----------------|----------------|---------------|-----------------|--------------------|---------------------------|----------------------------------|-----|-----|-----|------|------|------|-----|-----|-----|------|------|------|----------------------------------------|------|------|--|
|                        |                |                |               |                 |                    |                           | 3                                | 6   | 9   | 12  | 15   | 20   | 24   | 30  | 36  | 42  | 64   | 88   | 112  | 136                                    | 200  | 300  |  |
| ES-B300E<br>ES-B300PCE | 52mm           | 290mm<br>(10") | 0.17          | 5020            | 17                 | Size (ft)<br>Brightn.(fc) |                                  |     | 1.5 | 2.0 | 2.5  | 3.3  | 4.0  | 5.0 | 6.0 | 7.0 | 10.7 | 14.7 | 18.7 | 22.7                                   | 33.3 |      |  |
|                        |                | 209mm<br>(13") | 0.23          | 8910            | 30                 | Size (ft)<br>Brightn.(fc) |                                  |     | 2.1 | 2.8 | 3.5  | 4.6  | 5.5  | 6.9 | 8.3 | 9.7 | 14.7 | 20.2 | 25.8 | 31.3                                   | 46.0 | 69.0 |  |
|                        |                | 140mm<br>(20") | 0.35          | 11078           | 37                 | Size (ft)<br>Brightn.(fc) |                                  | 2.1 | 3.2 | 4.2 | 5.3  | 7.0  | 8.4  | 11  | 13  | 15  | 22   | 31   | 39   | 48                                     | 70   |      |  |
|                        |                | 115mm<br>(25") | 0.42          | 12776           | 43                 | Size (ft)<br>Brightn.(fc) |                                  | 2.5 | 3.8 | 5.0 | 6.3  | 8.3  | 10.0 | 13  | 15  | 18  | 27   | 37   | 47   | 57                                     | 83   |      |  |
|                        |                | 92mm<br>(30")  | 0.55          | 10600           | 35                 | Size (ft)<br>Brightn.(fc) |                                  | 3.3 | 5.0 | 6.6 | 8.3  | 11.0 | 13.2 | 17  | 20  | 23  | 35   | 48   | 62   | 75                                     |      |      |  |
|                        |                | 44mm<br>recom. | 0.82          | 10261           | 34                 | Size (ft)<br>Brightn.(fc) |                                  | 4.9 | 7.4 | 9.8 | 12.3 | 16.4 | 19.7 | 25  | 30  | 34  | 52   | 72   | 92   | **For even brightness,<br>max. ID=42mm |      |      |  |
| Model<br>Gobo Size     | Gobo ID        | Lens           | Beam<br>Mult. | Effective<br>Im | CD                 | Value                     | 3                                | 6   | 9   | 12  | 15   | 20   | 24   | 30  | 36  | 42  | 64   | 88   | 112  | 136                                    | 200  | 300  |  |

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### How to Read the Illumination Values

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Foot Candles (ft)           | For a quick overview, the illumination values in the tables are color coded. There are many factors that determine the visibility of a projection, such as ambient light, color and reflectiveness of the projection surface, competing light, gobo colors, projector color temperature, and other factors. Therefore our recommendations should only be used as guidelines and we cannot guarantee a successful application. If you are unsure, please call us to discuss. |
| Projection Size Calculation | For the resulting Projection Size at any given Distance, Multiply the number in the "Beam Mult." column with your Projection Distance.<br>For the Distance needed to achieve a desired Projection Size, Divide the Projection size by the Beam Multiplier.                                                                                                                                                                                                                  |
| 300+                        | Extreme brightness for extremely bright environments, i.e. bright areas, additionally flooded with daylight, such as Lobby-, Retail-, Trade Show-, Environment. Outdoors (shady, no direct sunlight).                                                                                                                                                                                                                                                                       |
| 150-300                     | Very high brightness for very bright environments, such as light flooded Office-, Lobby-, Retail-, Trade Show-, Environment. Color gobos project in vibrant colors. Outdoors well visible at night with vibrant colors.                                                                                                                                                                                                                                                     |
| 45-150                      | The most common brightness bracket for bright environments, such as Office, Lobby, Retail, Tradeshow. Outdoors extremely bright at night. Color gobos project well.                                                                                                                                                                                                                                                                                                         |
| 15-45                       | Sufficient brightness for environments, such as Bars, Clubs, and intimate Restaurants, Theaters, and dimmed Conference rooms. Outdoors well visible at night. Color gobos should preferably be used with lighter colors and the projection surface should be light and somewhat reflective.                                                                                                                                                                                 |
| 15-2                        | Only advisable for dark environments and subtle projection of light colored artwork, preferably on light, reflective projection surface. If all conditions are met, the max. listed image distance/size can be doubled in most cases.                                                                                                                                                                                                                                       |

Metric Conversions: For Meters multiply feet by .305. For Lux multiply footcandles by 10.76

## Package Contents

Projector | Mounting Yokes | Lens Tube | Projection Lens | Test Gobo | User Manual

Have Questions? Call Us!

(915) 247-2554

[www.logimateind.com](http://www.logimateind.com)



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