

# UPHORIA™ LED PAR

## LED PAR20, PAR30, PAR30LN & PAR38

Ushio America's Uphoria™ LED PAR lamps combine the classic styling of traditional PAR lamps with the advanced technology of Chip-on-Board (COB) LEDs and custom designed optics. This provides a light-weight, energy saving, dimmable LED lamp with the form, fit and function of a traditional halogen PAR lamp.

These dimmable LED PAR lamps are designed to replicate the shape and light output of halogen PAR lamps, but offer serious energy-saving benefits. These PAR lamps utilize tightly-binned, Japanese-made Chip On Board COB LEDs and an advanced optical design with multi-faceted reflectors for superior beam control and reduced glare. This allows for the reduction of striations and shadows often found in the beam patterns of lamps with multiple LEDs.

Uphoria LED PARs also have a special thermal design that allows air to flow through the inside and outside of the lamp and over the heat sink to maintain proper thermal management of the LEDs. This maintains a quality light output while ensuring long life. This unique air flow design cools the lamp without the use of unappealing heat sink fins or expensive and energy consuming internal fans.

Ushio America is proud to stand behind these Energy Star qualified LED lamps with a 5-year warranty.

All Uphoria LED PAR Lamps operate on 120V with Warm White (2700K and 3000K) color temperatures. They are available in Narrow Flood and Flood beam angles in PAR20, PAR30 (SN & LN) and PAR38 lamp types.

## FEATURES & BENEFITS:

- Energy Saving
- Dimmable
- Direct Replacement for Halogen PAR Lamps
- Chip On Board LED for Better Beam Control
- Unique Optical Design for Improved Beam Photometry
- Special Air Cooling Design for Premium Thermal Management Without Fins or Fans
- Wet Location Rated for PAR30LN and PAR38
- Long Life: 40,000 Hours
- Application Friendly: UV Free & IR Free
- Environmentally Friendly: Mercury Free, Lead Free & RoHS Compliant
- 5-Year Warranty

### Qualifications:



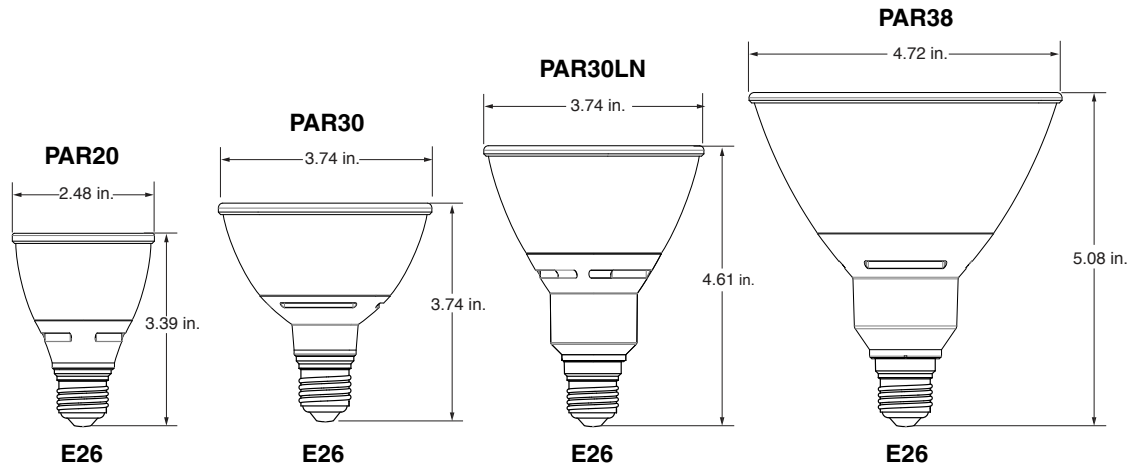
# USHIO



## APPLICATIONS:

- Recessed Lighting
- Track Lighting
- Display Lighting
- Accent Lighting
- Art Gallery & Museum Lighting
- Office Lighting
- Hospitality Lighting

Distributed by:



| Watts (W) | Ordering Code | Lamp Description             | Bulb Type | Volts (V) | Color Temp (K) | Beam Angle | Lumens* (lm) | Max CP* (cd) | CRI | Avg** Life (h) | Case Qty |
|-----------|---------------|------------------------------|-----------|-----------|----------------|------------|--------------|--------------|-----|----------------|----------|
| 8         | 1003913       | 8W LED PAR20, NFL25, WW27    | PAR20     | 120       | 2700           | 25°        | 460          | 1526         | 80+ | 40000          | 12       |
| 8         | 1003912       | 8W LED PAR20, FL40, WW27     | PAR20     | 120       | 2700           | 40°        | 490          | 789          | 80+ | 40000          | 12       |
| 8         | 1003870       | 8W LED PAR20, FL40, WW30     | PAR20     | 120       | 3000           | 40°        | 490          | 827          | 80+ | 40000          | 12       |
| 14        | 1003911       | 14W LED PAR30LN, NFL25, WW27 | LNP30     | 120       | 2700           | 25°        | 800          | 2910         | 80+ | 40000          | 6        |
| 14        | 1003910       | 14W LED PAR30LN, FL40, WW27  | LNP30     | 120       | 2700           | 40°        | 800          | 1440         | 80+ | 40000          | 6        |
| 14        | 1003871       | 14W LED PAR30LN, NFL25, WW30 | LNP30     | 120       | 3000           | 25°        | 835          | 3025         | 80+ | 40000          | 6        |
| 14        | 1003872       | 14W LED PAR30LN, FL40, WW30  | LNP30     | 120       | 3000           | 40°        | 850          | 1648         | 80+ | 40000          | 6        |
| 14.5      | 1003905       | 14.5W LED PAR30, NFL25, WW27 | PAR30     | 120       | 2700           | 25°        | 800          | 3028         | 80+ | 40000          | 6        |
| 14.5      | 1003914       | 14.5W LED PAR30, FL40, WW27  | PAR30     | 120       | 2700           | 40°        | 800          | 1322         | 80+ | 40000          | 6        |
| 14.5      | 1003873       | 14.5W LED PAR30, NFL25, WW30 | PAR30     | 120       | 3000           | 25°        | 850          | 3254         | 80+ | 40000          | 6        |
| 14.5      | 1003874       | 14.5W LED PAR30, FL40, WW30  | PAR30     | 120       | 3000           | 40°        | 850          | 1332         | 80+ | 40000          | 6        |
| 16        | 1003906       | 16W LED PAR38, FL40, WW27    | PAR38     | 120       | 2700           | 40°        | 950          | 1800         | 80+ | 40000          | 6        |
| 16        | 1003875       | 16W LED PAR38, NFL25, WW30   | PAR38     | 120       | 3000           | 25°        | 1000         | 4617         | 80+ | 40000          | 6        |
| 16        | 1003876       | 16W LED PAR38, FL40, WW30    | PAR38     | 120       | 3000           | 40°        | 970          | 1721         | 80+ | 40000          | 6        |
| 19        | 1003909       | 19W LED PAR38, NFL25, WW27   | PAR38     | 120       | 2700           | 25°        | 1200         | 4263         | 80+ | 40000          | 6        |
| 19        | 1003908       | 19W LED PAR38, FL40, WW27    | PAR38     | 120       | 2700           | 40°        | 1200         | 2559         | 80+ | 40000          | 6        |
| 19        | 1003877       | 19W LED PAR38, NFL25, WW30   | PAR38     | 120       | 3000           | 25°        | 1250         | 4424         | 80+ | 40000          | 6        |
| 19        | 1003878       | 19W LED PAR38, FL40, WW30    | PAR38     | 120       | 3000           | 40°        | 1250         | 2665         | 80+ | 40000          | 6        |

\* Photometric data is based on LM-79 tests.

\*\* Average life based on 70% lumen maintenance. LM-80 data available.

## Electrical Specifications:

Driver: High Efficiency

Power Factor: 8W-13W = .70 / 18W = .90

Dimming: See [www.ushio.com](http://www.ushio.com) for dimmer compatibility options.

## Photometrics 2700K

| Item 1003913             |       |        | Item 1003911                |       |        | Item 1003905                |       |        | Item 1003909              |       |        |
|--------------------------|-------|--------|-----------------------------|-------|--------|-----------------------------|-------|--------|---------------------------|-------|--------|
| ø(ft)                    | H(ft) | E(fc)  | ø(ft)                       | H(ft) | E(fc)  | ø(ft)                       | H(ft) | E(fc)  | ø(ft)                     | H(ft) | E(fc)  |
| 1.4                      | 3.3   | 141.80 | 1.1                         | 3.3   | 333.60 | 1.3                         | 3.3   | 281.80 | 1.5                       | 3.3   | 395.30 |
| 2.8                      | 6.6   | 35.44  | 2.3                         | 6.6   | 83.39  | 2.6                         | 6.6   | 70.44  | 3.0                       | 6.6   | 98.82  |
| 4.1                      | 9.8   | 15.75  | 3.4                         | 9.8   | 37.06  | 3.8                         | 9.8   | 31.31  | 4.5                       | 9.8   | 43.92  |
| 5.5                      | 13.1  | 8.86   | 4.5                         | 13.1  | 20.85  | 5.1                         | 13.1  | 17.61  | 6.0                       | 13.1  | 24.71  |
| 6.9                      | 16.4  | 5.67   | 5.7                         | 16.4  | 13.34  | 6.4                         | 16.4  | 11.27  | 7.4                       | 16.4  | 15.81  |
| 25°                      |       | 8W     | 25°                         |       | 14W    | 25°                         |       | 14.5W  | 25°                       |       | 19W    |
| 8W LED PAR20, NFL25 WW27 |       |        | 14W LED PAR30LN, NFL25 WW27 |       |        | 14.5W LED PAR30, NFL25 WW27 |       |        | 19W LED PAR38, NFL25 WW27 |       |        |

| Item 1003912            |       |       | Item 1003910               |       |        | Item 1003914               |       |        | Item 1003906             |       |        | Item 1003908             |       |        |
|-------------------------|-------|-------|----------------------------|-------|--------|----------------------------|-------|--------|--------------------------|-------|--------|--------------------------|-------|--------|
| ø(ft)                   | H(ft) | E(fc) | ø(ft)                      | H(ft) | E(fc)  | ø(ft)                      | H(ft) | E(fc)  | ø(ft)                    | H(ft) | E(fc)  | ø(ft)                    | H(ft) | E(fc)  |
| 2.3                     | 3.3   | 73.30 | 2.0                        | 3.3   | 134.40 | 2.3                        | 3.3   | 122.90 | 2.2                      | 3.3   | 115.62 | 2.2                      | 3.3   | 239.00 |
| 4.7                     | 6.6   | 18.33 | 4.0                        | 6.6   | 33.59  | 4.7                        | 6.6   | 30.71  | 4.5                      | 6.6   | 28.90  | 4.3                      | 6.6   | 59.76  |
| 7.0                     | 9.8   | 8.14  | 6.0                        | 9.8   | 14.93  | 7.0                        | 9.8   | 13.65  | 6.7                      | 9.8   | 12.85  | 6.4                      | 9.8   | 26.56  |
| 9.3                     | 13.1  | 4.58  | 8.1                        | 13.1  | 8.40   | 9.3                        | 13.1  | 6.68   | 9.0                      | 13.1  | 7.23   | 8.5                      | 13.1  | 14.94  |
| 11.7                    | 16.4  | 2.93  | 10.1                       | 16.4  | 5.37   | 11.6                       | 16.4  | 4.91   | 11.2                     | 16.4  | 4.62   | 10.7                     | 16.4  | 9.56   |
| 40°                     |       | 8W    | 40°                        |       | 14W    | 40°                        |       | 14.5W  | 40°                      |       | 16W    | 40°                      |       | 19W    |
| 8W LED PAR20, FL40 WW27 |       |       | 14W LED PAR30LN, FL40 WW27 |       |        | 14.5W LED PAR30, FL40 WW27 |       |        | 16W LED PAR38, FL40 WW27 |       |        | 19W LED PAR38, FL40 WW27 |       |        |

## Photometrics 3000K

| Item 1003871                |       |        | Item 1003873                |       |        | Item 1003875              |       |        | Item 1003877              |       |        |
|-----------------------------|-------|--------|-----------------------------|-------|--------|---------------------------|-------|--------|---------------------------|-------|--------|
| ø(ft)                       | H(ft) | E(fc)  | ø(ft)                       | H(ft) | E(fc)  | ø(ft)                     | H(ft) | E(fc)  | ø(ft)                     | H(ft) | E(fc)  |
| 1.4                         | 3.3   | 284.10 | 1.3                         | 3.3   | 302.30 | 1.3                       | 3.3   | 428.90 | 1.4                       | 3.3   | 420.20 |
| 2.8                         | 6.6   | 71.04  | 2.6                         | 6.6   | 75.57  | 2.5                       | 6.6   | 107.20 | 2.8                       | 6.6   | 150.00 |
| 4.2                         | 9.8   | 31.57  | 3.9                         | 9.8   | 33.59  | 3.8                       | 9.8   | 47.66  | 4.3                       | 9.8   | 46.69  |
| 5.5                         | 13.1  | 17.76  | 5.2                         | 13.1  | 18.89  | 5.0                       | 13.1  | 26.81  | 5.7                       | 13.1  | 26.26  |
| 6.9                         | 16.4  | 11.37  | 6.5                         | 16.4  | 12.09  | 6.3                       | 16.4  | 17.16  | 7.1                       | 16.4  | 16.81  |
| 25°                         |       | 14W    | 25°                         |       | 14.5W  | 25°                       |       | 16W    | 25°                       |       | 19W    |
| 14W LED PAR30LN, NFL25 WW30 |       |        | 14.5W LED PAR30, NFL25 WW30 |       |        | 16W LED PAR38, NFL25 WW30 |       |        | 19W LED PAR38, NFL25 WW30 |       |        |

| Item 1003870            |       |       | Item 1003872               |       |        | Item 1003874               |       |        | Item 1003876             |       |        | Item 1003878             |       |        |
|-------------------------|-------|-------|----------------------------|-------|--------|----------------------------|-------|--------|--------------------------|-------|--------|--------------------------|-------|--------|
| ø(ft)                   | H(ft) | E(fc) | ø(ft)                      | H(ft) | E(fc)  | ø(ft)                      | H(ft) | E(fc)  | ø(ft)                    | H(ft) | E(fc)  | ø(ft)                    | H(ft) | E(fc)  |
| 2.3                     | 3.3   | 77.06 | 2.0                        | 3.3   | 153.10 | 2.4                        | 3.3   | 123.70 | 2.3                      | 3.3   | 160.40 | 2.1                      | 3.3   | 247.50 |
| 4.6                     | 6.6   | 19.27 | 4.0                        | 6.6   | 38.27  | 4.7                        | 6.6   | 30.93  | 4.7                      | 6.6   | 40.11  | 4.3                      | 6.6   | 61.89  |
| 6.9                     | 9.8   | 8.56  | 6.0                        | 9.8   | 17.01  | 7.1                        | 9.8   | 13.75  | 7.0                      | 9.8   | 17.83  | 6.4                      | 9.8   | 27.51  |
| 9.3                     | 13.1  | 4.81  | 8.0                        | 13.1  | 9.57   | 9.4                        | 13.1  | 7.73   | 9.4                      | 13.1  | 10.03  | 8.6                      | 13.1  | 15.47  |
| 11.6                    | 16.4  | 3.08  | 10.0                       | 16.4  | 6.12   | 11.8                       | 16.4  | 4.95   | 11.7                     | 16.4  | 6.42   | 10.7                     | 16.4  | 9.90   |
| 40°                     |       | 8W    | 40°                        |       | 14W    | 40°                        |       | 14.5W  | 40°                      |       | 16W    | 40°                      |       | 19W    |
| 8W LED PAR20, FL40 WW30 |       |       | 14W LED PAR30LN, FL40 WW30 |       |        | 14.5W LED PAR30, FL40 WW30 |       |        | 16W LED PAR38, FL40 WW30 |       |        | 19W LED PAR38, FL40 WW30 |       |        |