

|          |               |
|----------|---------------|
| Project: | Toshiba Lamp: |
| Type:    | Notes:        |

### Ordering Information

| Ordering Code  | Input Voltage (VAC) | Lamp Shape | Base Type | Wattage (W) | CCT <sup>1</sup> | Beam Angle | Initial Lumens (lm) <sup>2</sup> | Lamp Efficacy (lm/W) | Rated Life (hrs) <sup>3</sup> | CBCP (cd) | CRI | Power Factor | Equivalency <sup>4</sup> | Lamp Weight lb (g) |
|----------------|---------------------|------------|-----------|-------------|------------------|------------|----------------------------------|----------------------|-------------------------------|-----------|-----|--------------|--------------------------|--------------------|
| 19P38/827SP8   | 120                 | PAR38      | E26       | 19.2        | 2700K            | 8°         | 900                              | 46.9                 | 40,000                        | 14200     | 81  | >0.70        | 70W Halogen              | 1.09 (495)         |
| 20P38/827NFL25 | 120                 | PAR38      | E26       | 20.3        | 2700K            | 25°        | 970                              | 47.8                 | 40,000                        | 3400      | 80  | >0.70        | 75W Halogen              | 1.18 (535)         |
| 20P38/827FL35  | 120                 | PAR38      | E26       | 20.3        | 2700K            | 35°        | 970                              | 47.8                 | 40,000                        | 1800      | 80  | >0.70        | 75W Halogen              | 1.18 (535)         |
| 19P38/830SP8   | 120                 | PAR38      | E26       | 19.2        | 3000K            | 8°         | 920                              | 47.9                 | 40,000                        | 14350     | 81  | >0.70        | 75W Halogen              | 1.09 (495)         |
| 20P38/830NFL25 | 120                 | PAR38      | E26       | 20.3        | 3000K            | 25°        | 1000                             | 49.3                 | 40,000                        | 3500      | 80  | >0.70        | 75W Halogen              | 1.18 (535)         |
| 20P38/830FL35  | 120                 | PAR38      | E26       | 20.3        | 3000K            | 35°        | 1000                             | 49.3                 | 40,000                        | 1900      | 80  | >0.70        | 80W Halogen              | 1.18 (535)         |
| 19P38/835SP8   | 120                 | PAR38      | E26       | 19.2        | 3500K            | 8°         | 930                              | 48.4                 | 40,000                        | 14500     | 82  | >0.70        | 75W Halogen              | 1.09 (495)         |
| 20P38/835NFL25 | 120                 | PAR38      | E26       | 20.3        | 3500K            | 25°        | 1000                             | 49.3                 | 40,000                        | 3500      | 85  | >0.70        | 75W Halogen              | 1.18 (535)         |
| 20P38/835FL35  | 120                 | PAR38      | E26       | 20.3        | 3500K            | 35°        | 1000                             | 49.3                 | 40,000                        | 1900      | 85  | >0.70        | 80W Halogen              | 1.18 (535)         |
| 19P38/840SP8   | 120                 | PAR38      | E26       | 19.2        | 4000K            | 8°         | 940                              | 49.0                 | 40,000                        | 14600     | 84  | >0.70        | 75W Halogen              | 1.09 (495)         |
| 20P38/840NFL25 | 120                 | PAR38      | E26       | 20.3        | 4000K            | 25°        | 1000                             | 49.3                 | 40,000                        | 3500      | 86  | >0.70        | 75W Halogen              | 1.18 (535)         |
| 20P38/840FL35  | 120                 | PAR38      | E26       | 20.3        | 4000K            | 35°        | 1000                             | 49.3                 | 40,000                        | 1900      | 86  | >0.70        | 80W Halogen              | 1.18 (535)         |

1. CCT Range complies to ANSI C78.377-2008.

2. Thermally stable typical lumens (± 10%)

3. Rated life is based on 70% lumen maintenance, and engineering testing and probability analysis.

4. Equivalency based on the Energy Star® Integral LED Lamp Center Beam Intensity Benchmark Tool.

Note: All Information consistent with IESNA LM-80-08 results and IESNA LM-79-08 testing completed by a qualified third party facility.

Note: All lamps meet Energy Star® Integral LED Lamp requirements, and will be submitted for testing.

Note: 5 Year Warranty based on 24 hr/day usage.

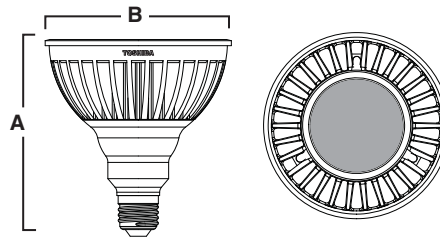


### Dimensions

| E-Core Model | MOL (A)        | Diameter (B)   |
|--------------|----------------|----------------|
| PAR38        | 5.01" (127 mm) | 4.76" (121 mm) |

Note: Lamp shape conforms to ANSI C78.21-2003.

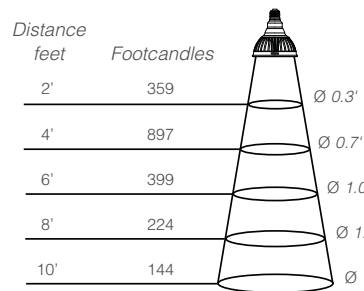
Note: Designed to comply with RoHS Directive 2002/95/EC.



### Illuminance Cone Diagrams

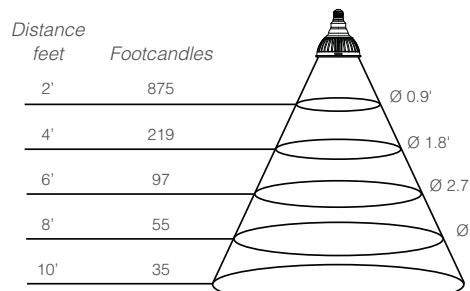
#### 19P38/830SP8

|         |      |            |       |
|---------|------|------------|-------|
| Wattage | 19.2 | CBCP (cd)  | 14350 |
| Lumens  | 920  | Beam Angle | 8°    |



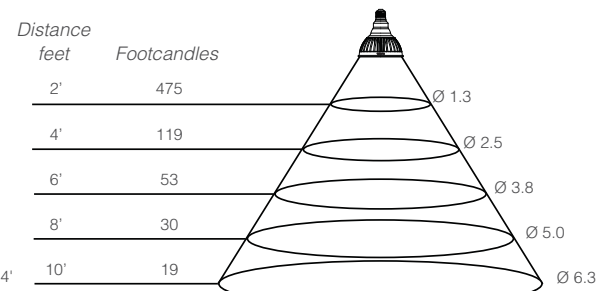
#### 20P38/830NFL25

|         |      |            |      |
|---------|------|------------|------|
| Wattage | 20.3 | CBCP (cd)  | 3500 |
| Lumens  | 1000 | Beam Angle | 25°  |



#### 20P38/830FL35

|         |      |            |      |
|---------|------|------------|------|
| Wattage | 20.3 | CBCP (cd)  | 1900 |
| Lumens  | 1000 | Beam Angle | 35°  |



### Energy Savings

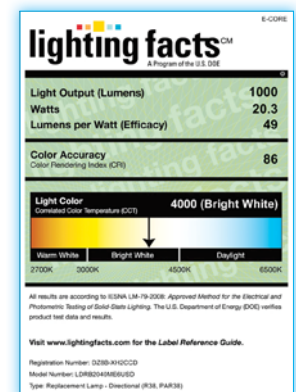
|                | 45W Halogen | 60W Halogen | 75W Halogen | 80W Halogen | 90W Halogen | 120W Halogen |
|----------------|-------------|-------------|-------------|-------------|-------------|--------------|
| 19P38/830SP8   | \$113.52    | \$179.52    | \$245.52*   | \$267.52    | \$311.52    | \$443.52     |
| 20P38/830NFL25 | \$108.68    | \$174.68    | \$240.68*   | \$262.68    | \$306.68    | \$438.68     |
| 20P38/830FL35  | \$108.68    | \$174.68    | \$240.68    | \$262.68*   | \$306.68    | \$438.68     |

\*Actual Equivalent Replacement, based on the Energy Star® Integral LED Lamp Center Beam Intensity Benchmark Tool.

Note: Energy Savings based on using one bulb for 25,000 hr rated life at 11¢/kWh. Does not include maintenance and replacement lamp savings.

### Ordering Guide

| 19   | P38                             | / | 827  | SP8  |
|--|---------------------------------|---|--|--|
| <b>Wattage</b><br>19.3 Watts = 19<br>20.3 Watts = 20 | <b>Lamp Type</b><br>PAR38 = P38 |   | <b>CRI + CCT</b><br>80 CRI + 2700K = 827<br>80 CRI + 3000K = 830<br>85 CRI + 3500K = 835<br>86 CRI + 4000K = 840 | <b>Beam Angle</b><br>Spot 8° = SP8<br>Narrow Flood 25° = NFL25<br>Flood 35° = FL35 |



Available for all color temperatures