

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	47.4	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.

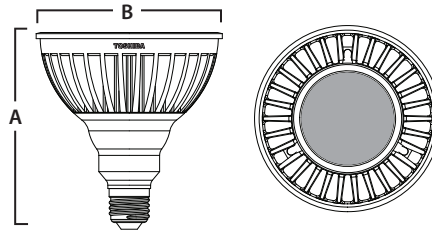


### Dimensions

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.

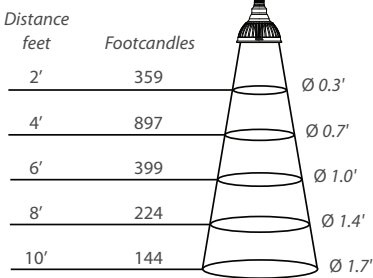
Note: Designed to comply with RoHS Directive 2002/95/EC.



### Illuminance Cone Diagrams

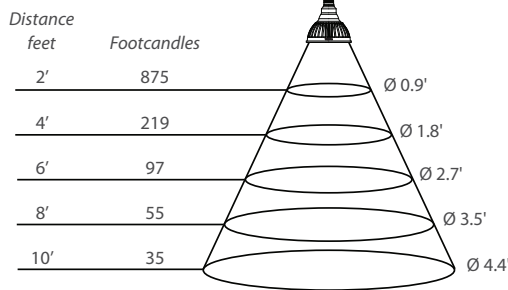
#### 19P38/830SP8

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



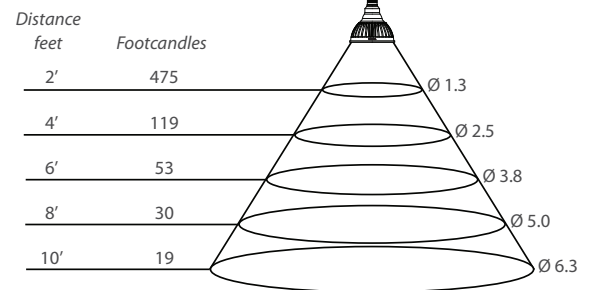
#### 20P38/830NFL25

Wattage	20.3	CBCP (cd)	1900
Lumens	1000	Beam Angle	25°



#### 20P38/830FL35

Wattage	20.3	CBCP (cd)	3500
Lumens	1000	Beam Angle	35°



### Energy Savings

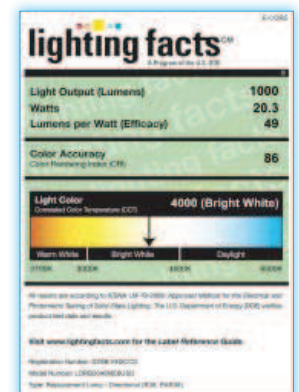
	45W Halogen	60W Halogen	75W Halogen	80W Halogen	90W Halogen	120W Halogen
19P38/830SP8	\$113.52	\$179.52	\$245.52*	\$267.52	\$311.52	\$443.52
20P38/830NFL25	\$108.68	\$174.68	\$240.68*	\$262.68	\$306.68	\$438.68
20P38/830FL35	\$108.68	\$174.68	\$240.68	\$262.68*	\$306.68	\$438.68

\*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 40,000 hr rated life at 11¢/kWh. Does not include maintenance and replacement lamp savings.

### Ordering Guide

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



Available for all color temperatures