

# BUY VS SELL

**At Toshiba, we don't want to just sell you lamps. We want you to buy into us.** As an industry leader in Japan, Toshiba has over 120 years of lighting experience and a limitless knowledge of electronics. We are uniquely qualified to create superior LED lighting products because we're not a lighting company trying to learn the electronics business or an electronics company trying to learn the lighting business. We've been doing both for over a century. Plus, we are 100% focused on LED lighting technology. So when you really think about it, you're not just buying a lamp – you're buying a brand you can trust.

## PAR38 1100 Series

- Direct replacement for 90 to 110-watt halogen lamps
- Available in 25° & 35° beam angles
- Available in 2700K, 3000K, 3500K, & 4000K color temperatures
- Dimmable
- Lasts up to 20 times longer & uses up to 75% less energy than halogen lamps
- Emits up to 70% less UV light compared to halogen lamps
- Designed to fit most gimbal rings
- Manufactured to ANSI standards
- Rated for both damp locations & enclosed fixtures
- Contains no mercury or lead
- Undergoing ENERGY STAR® testing

Learn more at [toshiba.com/lighting](http://toshiba.com/lighting).  
Toshiba LED Lighting. Ready for Work.



**TOSHIBA**  
Leading Innovation >>>

# TOSHIBA

## Dimmable LED PAR38 1100 Series

Project:	Toshiba Lamp:
Type:	Notes:

### Ordering Information

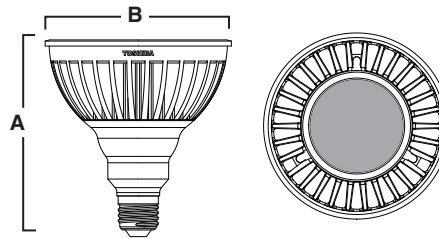
Ordering Code	Input Voltage VAC	Lamp Shape	Base Type	Wattage W	CCT <sup>1</sup>	Beam Angle	Initial Lumens lm <sup>2</sup>	Lamp Efficacy lm/W	Rated Life hrs <sup>3</sup>	CBCP cd	CRI	Power Factor	Equivalency <sup>4</sup>	Lamp Weight lbs. (g)
20P38/27LNF-UP	120	PAR38	E26	20.3	2700K	25°	1090	53.7	40,000	4240	84	> 0.77	90W	1.18 (535)
20P38/27LFL-UP	120	PAR38	E26	20.3	2700K	35°	1090	53.7	40,000	2750	84	> 0.77	100W	1.18 (535)
20P38/30LNF-UP	120	PAR38	E26	20.3	3000K	25°	1120	55.2	40,000	4400	84	> 0.77	90W	1.18 (535)
20P38/30LFL-UP	120	PAR38	E26	20.3	3000K	35°	1120	55.2	40,000	2860	84	> 0.77	110W	1.18 (535)
20P38/35LNF-UP	120	PAR38	E26	20.3	3500K	25°	1120	55.2	40,000	4400	84	> 0.77	90W	1.18 (535)
20P38/35LFL-UP	120	PAR38	E26	20.3	3500K	35°	1120	55.2	40,000	2860	84	> 0.77	110W	1.18 (535)
20P38/40LNF-UP	120	PAR38	E26	20.3	4000K	25°	1170	57.6	40,000	4600	85	> 0.77	90W	1.18 (535)
20P38/40LFL-UP	120	PAR38	E26	20.3	4000K	35°	1170	57.6	40,000	2990	85	> 0.77	110W	1.18 (535)

- CCT range complies with ANSI C78.377-2008
  - Thermally stable typical lumens (±10%)
  - Rated life is based on 70% lumen maintenance and engineering testing and probability analysis
  - Equivalency based on the Energy Star® Integral LED Lamp Program
- 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: Five-year warranty based on 24 hr/day usage



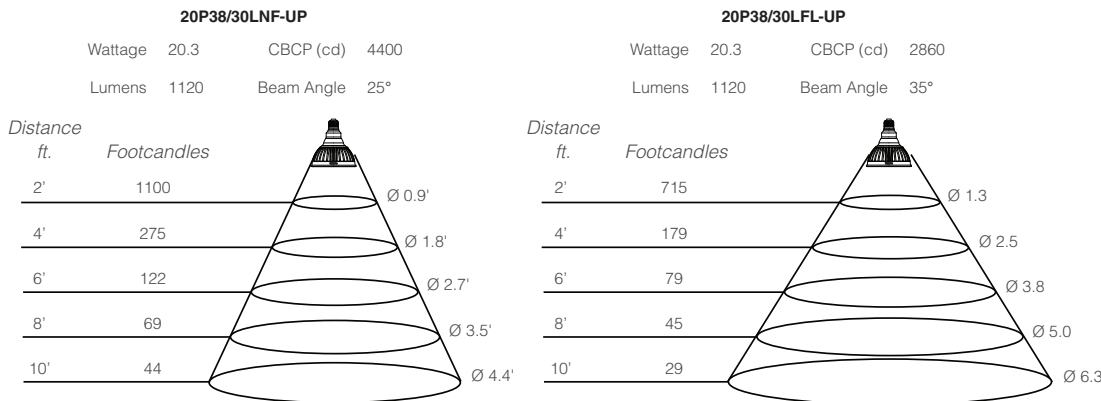
### Dimensions

Model	MOL (A) in. (mm)	Diameter (B) in. (mm)
PAR38	5.01 (127)	4.76 (121)



Note: Lamp shape conforms to ANSI C78.21-2003  
 Note: Designed to comply with RoHS Directive 2002/95/EC

### Illuminance Cone Diagrams



### Energy Savings

	45W Halogen	60W Halogen	75W Halogen	80W Halogen	90W Halogen	110W Halogen
20P38/30LNF-UP	\$67.95	\$109.18	\$150.43	\$164.18	\$191.68*	\$246.68
20P38/30LFL-UP	\$67.95	\$109.18	\$150.43	\$164.18	\$191.68	\$246.68*

\*Actual equivalent replacement based on the Energy Star® Integral LED Lamp Program  
 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

20	P38	/	27	L	—	UP
<b>Wattage</b> 20.3 Watts = 20	<b>Lamp Type</b> PAR38 = P38		<b>CRI + CCT</b> 2700K = 27 3000K = 30 3500K = 35 4000K = 40	1100 Series = L		NF = Narrow Flood FL = Flood US Professional Package = UP