


Project:	Toshiba Lamp:
Type:	Notes:

PAR20

Ordering Information

Ordering Code	Input Voltage (VAC)	Lamp Shape	Base Type	CCT ¹	Initial Lumens (lm) ²	Beam Angle	Wattage (W)	Lamp Efficacy (lm/W)	Rated Life (hrs) ³	CBCP (cd)	CRI	Power Factor	Equivalency ⁴	Lamp Weight lb (g)	
9P20/827SP8	120	PAR20	E26	2700K	380	8°	8.6	44.2	40,000	6600	80	0.70	60W Halogen	0.38 (172)	●
9P20/827NFL25	120	PAR20	E26	2700K	390	25°	9.0	43.3	40,000	1600	80	0.70	55W Halogen	0.41 (186)	●
9P20/830SP8	120	PAR20	E26	3000K	385	8°	8.6	44.8	40,000	6700	81	0.70	60W Halogen	0.38 (172)	●
9P20/830NFL25	120	PAR20	E26	3000K	400	25°	9.0	44.4	40,000	1600	80	0.70	55W Halogen	0.41 (186)	●

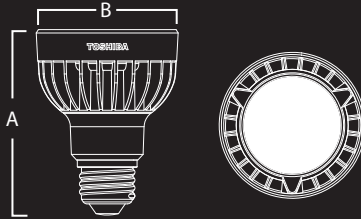
- CCT Range complies to ANSI C78.377-2008.
- Thermally stable typical lumens (± 10%)
- Rated life is based on 70% lumen maintenance and engineering testing and probability analysis; life hours per ENERGY STAR® may vary.
- Equivalency based on the ENERGY STAR® Integral LED Lamp Center Beam Intensity Benchmark Tool.

Note: All information consistent with IESNA LM-80-08 results and IESNA LM-79-08 testing completed by a qualified third party facility. All lamps meet ENERGY STAR Integral LED Lamp requirements and will be submitted for testing. Five-year warranty based on 12 hr/day usage. Toshiba LED Lighting Systems Division reserves the right to make changes and/or improvements in designs and/or dimensions without notice or obligation.



Dimensions

Model PAR20
MOL (A) 3.26" (82.7 mm)
Diameter (B) 2.48" (63 mm)



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

Energy Savings

Ordering Code	35W Halogen	55W Halogen	60W Halogen
9P20/830SP8	\$116.16	\$204.16	\$226.16
9P20/830NFL25	\$114.40	\$202.40	\$224.40

Note: Energy savings based on using one bulb for 40,000 hr rated life at 11c/kWh. Does not include maintenance and replacement lamp savings.

Illuminance Cone Diagrams

9P20/830SP8

Lumens	Distance feet	Footcandles	Beam Diameter
385	2'	1675	Ø 0.3'
Beam Angle 8°	4'	419	Ø 0.7'
Wattage 8.6	6'	186	Ø 1.0'
CBCP (cd) 6700	8'	105	Ø 1.4'
	10'	67	Ø 1.7'

9P20/830NFL25

Lumens	Distance feet	Footcandles	Beam Diameter
400	2'	400	Ø 0.9'
Beam Angle 25°	4'	100	Ø 1.8'
Wattage 9.0	6'	44	Ø 2.7'
CBCP (cd) 1600	8'	25	Ø 3.5'
	10'	16	Ø 4.4'