

CAPSYLITE® IR™ 80W & 100W PAR38

Halogen Lamps



- Features a halogen inner capsule with an infrared conserving coating for maximum energy efficiency
- Superior 3000 hour life
- IR conserving capsule produces more light with fewer watts than conventional halogen lamps, reducing energy consumption and heat generation
- Crisp, white halogen light
- IR conserving coating and hard glass lens further reduce the already low level of UV present in standard halogen PAR lamps
- Also available in 50 and 60 Watt CAP IR version

SYLVANIA's NEW 80 and 100 watt PAR38 CAPSYLITE IR lamps offer substantial energy savings, great color and long life.

The combination of an inner halogen capsule which is coated with a special infrared conserving film makes SYLVANIA's Capsylite IR lamps the best choice when constant crisp, white light and energy savings are required. The high luminous efficacy of the Capsylite IR lamp is achieved by using an infrared reflective coating on the inner halogen capsule that reflects the radiated infrared energy, which would be otherwise wasted, back into the lamp capsule. Recycling the invisible infrared energy lowers the power consumption of the capsule and produces more visible light per watt.

Product Availability

Product	Wattage	Beam Angle
PAR38 CAPSYLITE IR	80	SP 10°, FL 25°
	100	SP 10°, NFL 25°, FL 40°

Application Information

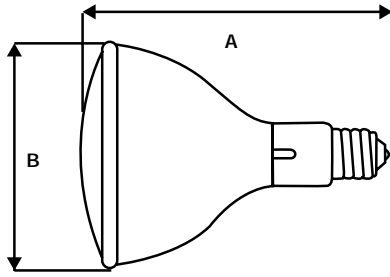
Applications

Highlight merchandise
Accent / display lighting
Floor lighting
General lighting
Indoor / Outdoor
Retail
Art galleries
Hotels, restaurants
Offices
Residential

Sample Specification

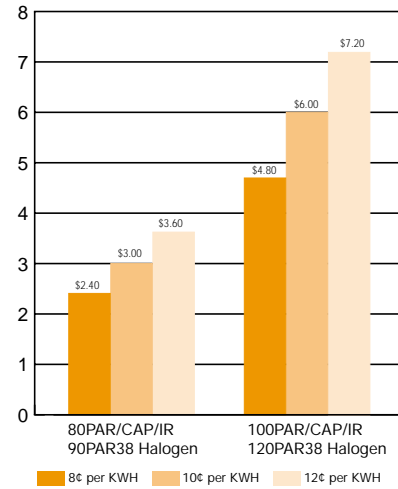
Lamp(s) shall be (a) CAPSYLITE IR halogen PAR38 lamp(s) with a 3000 – hour average rated life, shall be diode free and employ stabilized coils. Lamp(s) shall be energy efficient and produced to EPACT standards.

Dimensions



CAPSYLITE PAR38 IR	
(A) MOL	5 5/16 "
(B) Diam	4 3/4 "

Energy Cost Savings for PAR38 IR*



*Based on 3000 hour lamp life

Footcandle

10° PAR38 SPL SP

Distance from Source (in ft.)	Diameter (in ft.)	80W
3'	0.5	2778
6'	0.9	694
9'	1.4	309
12'	1.9	174
15'	2.4	111

25° PAR38 SPL FL

Distance from Source (in ft.)	Diameter (in ft.)	80W
3'	1.3	611
6'	2.7	153
9'	4.0	68
12'	5.3	38
15'	6.7	24

10° PAR38 SPL SP

Distance from Source (in ft.)	Diameter (in ft.)	100W
3'	0.5	3222
6'	0.9	806
9'	1.4	358
12'	1.9	201
15'	2.4	129

25° PAR38 SPL FL

Distance from Source (in ft.)	Diameter (in ft.)	100W
3'	1.3	700
6'	2.7	175
9'	4.0	78
12'	5.3	44
15'	6.7	28

40° PAR38 SPL FL

Distance from Source (in ft.)	Diameter (in ft.)	100W
3'	2.2	378
6'	4.4	94
9'	6.6	42
12'	8.7	24
15'	10.9	15

SYLVANIA CAPSYLITE IR lamps are available in a full range of beam angles to meet the demands of virtually any display or accent lighting application. For each available CAPSYLITE IR lamp, this table shows how lamp output in footcandles varies as a function of distance.

Ordering and Specification Information

Item Number	Ordering Abbreviation	Watts	Base	Avg. Rated Life (hrs.)	Volts	CBCP	Beam Angle	Lumens	MOL
14347	80PAR/CAP/IR/SP10	80	Medium Skirt	3000	120	25,000	10°	1500	5 5/16
14327	80PAR/CAP/IR/FL25	80	Medium Skirt	3000	120	5500	25°	1500	5 5/16
14324	100PAR/CAP/IR/SP10	100	Medium Skirt	3000	120	29,000	10°	2070	5 5/16
14319	100PAR/CAP/IR/FL25	100	Medium Skirt	3000	120	6300	25°	2070	5 5/16
14311	100PAR/CAP/IR/FL40	100	Medium Skirt	3000	120	3400	40°	2070	5 5/16

Ordering Guide

80	PAR	/	CAP	/	IR	/	SP	/	30
Wattage:	Parabolic Reflector		CAPSYLITE		Type Infrared		Beam Spread: SP=Spot		Beam Angle 10°
80							NFL=Narrow Flood		25°
100							FL=Flood		40°

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