

CAPSYLITE® Halogen PAR Lamps

Meets today's energy efficiency requirements



SYLVANIA CAPSYLITE halogen PAR lamps offer superior light quality in a wide variety of wattages, sizes and beam spreads. Their SPL optic design delivers a smooth and round beam pattern that maximizes lumens while providing consistent lamp-to-lamp performance.

Many of these PAR lamps have been newly designed with xenon fill gas, silver reflector coating and/or IR-reflective capsule coating that provides the required efficacy to meet the latest energy efficiency regulations.

Key Features & Benefits

- Long life: up to 6000 hours
- Bright white, high quality halogen light
- Tiered lifetime choices
- Superior beam control and sharp cutoff
- US DOE IRL legislation compliant
- Optical system provides consistent, uniform performance from lamp to lamp
- Lens embossed with beam pattern for easy identification
- Fully dimmable

ECOLOGIC® is a comprehensive program of OSRAM SYLVANIA focused on addressing environmental issues at all stages of lamp life.



Product Offering

| Product | Wattage | Beam Angle |
|---------|----------------|-------------------|
| PAR14 | 35 | 50° |
| PAR16 | 35, 50, 60, 75 | 10°, 30° |
| PAR20 | 39 | 10°, 30° |
| PAR30 | 39, 42, 50, 60 | 10°, 25°, 50° |
| PAR30LN | 39, 50, 60 | 9°, 10°, 25°, 50° |
| PAR38 | 35 | 9°, 25° |
| PAR38 | 39, 42, 50 | 10°, 25° |
| PAR38 | 60, 70 | 10°, 25°, 30° |
| PAR38 | 80 | 10°, 25°, 50° |
| PAR38 | 90 | 12°, 30° |
| PAR38 | 75, 100, 150 | 30° |
| PAR38 | 250 | 10°, 30° |

Application Information

Applications

PAR38

- Ideal for accent lighting, merchandise displays, outdoor floods and general illumination in offices, lobbies and public buildings
- Provides a high degree of flexibility with a choice of twelve wattages and beam spreads

PAR30

- Perfect for use in shallow, recessed, track and downlight fixtures
- Indoor and outdoor display and accent applications

PAR30 Long Neck

- Direct replacement for incandescent R and BR lamps
- Long life energy efficient upgrade from standard incandescent lamps

PAR20

- Indoor and outdoor display and accent applications
- High light output from small fixtures
- Direct replacement for incandescent R20 lamps

PAR16

- Use in open fixtures
- Display and accent applications
- Perfect for highlighting jewelry, glassware and other fine merchandise
- A compact, high-quality halogen light source in an attractive ceramic reflector

PAR14

- Acts as its own fixture in bare sockets
- Ideal for micro display and accent applications



Specification Data

| | |
|-------------|------|
| Catalog # | Type |
| Project | |
| Comments | |
| Prepared by | |

Ordering Information

| Item Number | Ordering Abbreviation | Watts | Lumens | Base | Average Rated Life (hrs.) | Voltage (V) | CBCP (cd) | Beam Angle | CCT (K) |
|-------------|--------------------------|-------|--------|--------|---------------------------|-------------|-----------|------------|---------|
| 15364 | 35PAR14/HAL/FL/RP | 35 | 450 | Medium | 2000 | 120 | 200 | 50° | 2775 |
| 59076 | 35PAR16/HAL/GU10/FL/BL1 | 35 | 280 | GU10 | 3000 | 120 | 500 | 30° | 2750 |
| 59082 | 35PAR16/HAL/GU10/FL/BL1 | 35 | 280 | GU10 | 2000 | 120 | 350 | 40° | 2850 |
| 13256 | 35PAR16/HAL/GU10/FL/BL3 | 35 | 280 | GU10 | 3000 | 120 | 500 | 30° | 2750 |
| 59075 | 50PAR16/HAL/GU10/FL/BL1 | 50 | 450 | GU10 | 3000 | 120 | 800 | 30° | 2800 |
| 59020 | 50PAR16/HAL/GU10/FL/CLAM | 50 | 400 | GU10 | 1000 | 120 | 640 | 40° | 2850 |
| 59024 | 50PAR16/HAL/GU10/FL40 | 50 | 400 | GU10 | 1000 | 120 | 640 | 35° | 2850 |
| 59032 | 60PAR16/HAL/NSP10 | 60 | 650 | Medium | 2000 | 120 | 5000 | 10° | 2850 |
| 59037 | 60PAR16/HAL/NSP10/RP | 60 | 650 | Medium | 2000 | 120 | 5000 | 10° | 2850 |
| 59040 | 60PAR16/HAL/NSP10 | 60 | 650 | Medium | 2000 | 130 | 5000 | 10° | 2850 |
| 59030 | 60PAR16/HAL/NFL30 | 60 | 650 | Medium | 2000 | 120 | 1300 | 30° | 2850 |
| 59031 | 60PAR16/HAL/NFL30/RP | 60 | 650 | Medium | 2000 | 120 | 1300 | 30° | 2850 |
| 59038 | 60PAR16/HAL/NFL30 | 60 | 650 | Medium | 2000 | 130 | 1300 | 30° | 2850 |
| 59036 | 75PAR16/HAL/NSP10 | 75 | 900 | Medium | 2000 | 120 | 7500 | 10° | 2900 |
| 59044 | 75PAR16/HAL/NSP10 | 75 | 900 | Medium | 2000 | 130 | 7500 | 10° | 2900 |
| 59034 | 75PAR16/HAL/NFL30 | 75 | 900 | Medium | 2000 | 120 | 1900 | 30° | 2900 |
| 59033 | 75PAR16/HAL/NFL30/RP | 75 | 900 | Medium | 2000 | 120 | 1900 | 30° | 2900 |
| 59042 | 75PAR16/HAL/NFL30 | 75 | 900 | Medium | 2000 | 130 | 1900 | 30° | 2900 |
| 16103 | 39PAR20/HAL/SP10 | 39 | 475 | Medium | 1500 | 120 | 3700 | 10° | 2850 |
| 16108 | 39PAR20/HAL/SP10 | 39 | 475 | Medium | 1500 | 130 | 3700 | 10° | 2850 |
| 16104 | 39PAR20/HAL/FL30 | 39 | 475 | Medium | 1500 | 120 | 1000 | 30° | 2850 |
| 16109 | 39PAR20/HAL/FL30 | 39 | 475 | Medium | 1500 | 130 | 100 | 30° | 2850 |
| 16107 | 39PAR20/HAL/FL30/DAY | 39 | 400 | Medium | 1500 | 120 | 800 | 30° | 2900 |
| 16110 | 39PAR20/HAL/SP10/DL | 39 | 450 | Medium | 3000 | 120 | 3500 | 10° | 2800 |
| 16111 | 39PAR20/HAL/FL30/DL | 39 | 450 | Medium | 3000 | 120 | 900 | 30° | 2800 |
| 16546 | 39PAR20/HAL/IR/SP10/DL | 39 | 510 | Medium | 3000 | 120 | 4000 | 10° | 2800 |
| 16114 | 39PAR20/HAL/IR/FL30/DL | 39 | 510 | Medium | 3000 | 120 | 1100 | 30° | 2800 |
| 16115 | 39PAR20/HAL/S/SP10/TL | 39 | 475 | Medium | 4500 | 120 | 3800 | 10° | 2750 |
| 16116 | 39PAR20/HAL/S/FL30/TL | 39 | 475 | Medium | 4500 | 120 | 1000 | 30° | 2750 |
| 16117 | 39PAR30/HAL/SP10 | 39 | 550 | Medium | 1500 | 120 | 6100 | 10° | 2850 |
| 16121 | 39PAR30/HAL/SP10 | 39 | 550 | Medium | 1500 | 130 | 6100 | 10° | 2850 |
| 16118 | 39PAR30/HAL/NFL25 | 39 | 550 | Medium | 1500 | 120 | 1700 | 25° | 2850 |
| 16122 | 39PAR30/HAL/NFL25 | 39 | 550 | Medium | 1500 | 130 | 1700 | 25° | 2850 |
| 16119 | 39PAR30/HAL/WFL50 | 39 | 550 | Medium | 1500 | 120 | 600 | 50° | 2850 |
| 16123 | 39PAR30/HAL/WFL50 | 39 | 550 | Medium | 1500 | 130 | 600 | 50° | 2850 |
| 16150 | 39PAR30/HAL/SP10/DL | 39 | 520 | Medium | 3000 | 120 | 5800 | 10° | 2800 |
| 16124 | 39PAR30/HAL/NFL25/DL | 39 | 520 | Medium | 3000 | 120 | 1600 | 25° | 2800 |
| 16125 | 39PAR30/HAL/WFL50/DL | 39 | 520 | Medium | 3000 | 120 | 600 | 50° | 2800 |
| 16126 | 39PAR30/HAL/IR/WFL50/DL | 39 | 610 | Medium | 3000 | 120 | 700 | 50° | 2800 |
| 16147 | 39PAR30/HAL/S/SP10/TL | 39 | 530 | Medium | 4500 | 120 | 5900 | 10° | 2750 |
| 16148 | 39PAR30/HAL/S/NFL25/TL | 39 | 530 | Medium | 4500 | 120 | 1600 | 25° | 2750 |
| 16149 | 42PAR30/HAL/IRS/SP10/TL | 42 | 750 | Medium | 4500 | 120 | 8400 | 10° | 2750 |
| 16132 | 42PAR30/HAL/IRS/NFL25/TL | 42 | 750 | Medium | 4500 | 120 | 2300 | 25° | 2750 |
| 16134 | 50PAR30/HAL/S/SP10 | 50 | 850 | Medium | 1500 | 120 | 9500 | 10° | 2875 |
| 16135 | 50PAR30/HAL/S/NFL25 | 50 | 850 | Medium | 1500 | 120 | 2600 | 25° | 2875 |
| 16136 | 50PAR30/HAL/S/WFL50 | 50 | 850 | Medium | 1500 | 120 | 1000 | 50° | 2875 |
| 16137 | 50PAR30/HAL/IR/SP10/DL | 50 | 850 | Medium | 3000 | 120 | 9500 | 10° | 2825 |
| 16138 | 50PAR30/HAL/IR/NFL25/DL | 50 | 850 | Medium | 3000 | 120 | 2600 | 25° | 2825 |
| 16151 | 50PAR30/HAL/IRS/SP10/TL | 50 | 950 | Medium | 4500 | 120 | 10600 | 10° | 2825 |
| 16152 | 50PAR30/HAL/IRS/NFL25/TL | 50 | 950 | Medium | 4500 | 120 | 2900 | 25° | 2825 |

Ordering Information (continued)

| Item Number | Ordering Abbreviation | Watts | Lumens | Base | Average Rated Life (hrs.) | Voltage (V) | CBCP (cd) | Beam Angle | CCT (K) |
|-------------|----------------------------|-------|--------|--------|---------------------------|-------------|-----------|------------|---------|
| 16127 | 60PAR30/HAL/S/SP10 | 60 | 1070 | Medium | 1500 | 120 | 12000 | 10° | 2900 |
| 16128 | 60PAR30/HAL/S/NFL25 | 60 | 1070 | Medium | 1500 | 120 | 3300 | 25° | 2900 |
| 16129 | 60PAR30/HAL/S/WFL50 | 60 | 1070 | Medium | 1500 | 120 | 1300 | 50° | 2900 |
| 16139 | 60PAR30/HAL/IR/SP10/DL | 60 | 1100 | Medium | 3000 | 120 | 12300 | 10° | 2850 |
| 16140 | 60PAR30/HAL/IR/NFL25/DL | 60 | 1100 | Medium | 3000 | 120 | 3400 | 25° | 2850 |
| 16153 | 39PAR30LN/HAL/SP10 | 39 | 550 | Medium | 1500 | 120 | 6100 | 10° | 2850 |
| 16159 | 39PAR30LN/HAL/SP10 | 39 | 550 | Medium | 1500 | 130 | 6100 | 10° | 2850 |
| 16154 | 39PAR30LN/HAL/NFL25 | 39 | 550 | Medium | 1500 | 120 | 1700 | 25° | 2850 |
| 16160 | 39PAR30LN/HAL/NFL25 | 39 | 550 | Medium | 1500 | 130 | 1700 | 25° | 2850 |
| 16156 | 39PAR30LN/HAL/WFL50 | 39 | 550 | Medium | 1500 | 120 | 600 | 50° | 2850 |
| 16161 | 39PAR30LN/HAL/WFL50 | 39 | 550 | Medium | 1500 | 130 | 600 | 50° | 2850 |
| 16550 | 39PAR30LN/HAL/SP10/DL | 39 | 520 | Medium | 3000 | 120 | 5800 | 10° | 2800 |
| 16551 | 39PAR30LN/HAL/NFL25/DL | 39 | 520 | Medium | 3000 | 120 | 1600 | 25° | 2800 |
| 16552 | 39PAR30LN/HAL/WFL50/DL | 39 | 520 | Medium | 3000 | 120 | 600 | 50° | 2800 |
| 16553 | 39PAR30LN/HAL/IR/WFL50/DL | 39 | 610 | Medium | 3000 | 120 | 700 | 50° | 2800 |
| 16562 | 39PAR30LN/HAL/S/SP10/TL | 39 | 530 | Medium | 4500 | 120 | 5900 | 10° | 2750 |
| 16563 | 39PAR30LN/HAL/S/NFL25/TL | 39 | 530 | Medium | 4500 | 120 | 1600 | 25° | 2750 |
| 16564 | 39PAR30LN/HAL/S/WFL50/TL | 39 | 530 | Medium | 4500 | 120 | 600 | 50° | 2750 |
| 16554 | 50PAR30LN/HAL/IR/SP10/DL | 50 | 850 | Medium | 3000 | 120 | 9500 | 10° | 2825 |
| 16555 | 50PAR30LN/HAL/IR/NFL25/DL | 50 | 850 | Medium | 3000 | 120 | 2600 | 25° | 2825 |
| 16556 | 50PAR30LN/HAL/IR/WFL50/DL | 50 | 850 | Medium | 3000 | 120 | 1000 | 50° | 2825 |
| 16565 | 50PAR30LN/HAL/IRS/SP10/TL | 50 | 950 | Medium | 4500 | 120 | 10600 | 10° | 2825 |
| 16566 | 50PAR30LN/HAL/IRS/NFL25/TL | 50 | 950 | Medium | 4500 | 120 | 2900 | 25° | 2825 |
| 16567 | 50PAR30LN/HAL/IRS/WFL50/TL | 50 | 950 | Medium | 4500 | 120 | 1100 | 50° | 2825 |
| 16166 | 60PAR30LN/HAL/S/SP10 | 60 | 1070 | Medium | 1500 | 120 | 12000 | 10° | 2900 |
| 16167 | 60PAR30LN/HAL/S/NFL25 | 60 | 1070 | Medium | 1500 | 120 | 3300 | 25° | 2900 |
| 16168 | 60PAR30LN/HAL/S/WFL50 | 60 | 1070 | Medium | 1500 | 120 | 1300 | 50° | 2900 |
| 16173 | 60PAR30LN/HAL/S/WFL50/CVP | 60 | 1070 | Medium | 1500 | 120 | 1300 | 50° | 2900 |
| 16165 | 60PAR30LN/HAL/S/WFL50/DAY | 60 | 910 | Medium | 1500 | 120 | 1100 | 50° | 2950 |
| 16557 | 60PAR30LN/HAL/IR/SP10/DL | 60 | 1100 | Medium | 3000 | 120 | 12300 | 10° | 2850 |
| 16558 | 60PAR30LN/HAL/IR/NFL25/DL | 60 | 1100 | Medium | 3000 | 120 | 3400 | 25° | 2850 |
| 16559 | 60PAR30LN/HAL/IR/WFL50/DL | 60 | 1100 | Medium | 3000 | 120 | 1300 | 50° | 2850 |
| 55140 | 35PAR38/HAL/ELOGIC/NFL25 | 35 | 550 | Medium | 6000 | 120 | 3000 | 25° | 3000 |
| 16728 | 39PAR38/HAL/SP10 | 39 | 550 | Medium | 1500 | 120 | 7700 | 10° | 2850 |
| 16732 | 39PAR38/HAL/SP10 | 39 | 550 | Medium | 1500 | 130 | 7700 | 10° | 2850 |
| 16729 | 39PAR38/HAL/NFL25 | 39 | 550 | Medium | 1500 | 120 | 2100 | 25° | 2850 |
| 16733 | 39PAR38/HAL/NFL25 | 39 | 550 | Medium | 1500 | 130 | 2100 | 25° | 2850 |
| 16579 | 39PAR38/HAL/SP10/DL | 39 | 520 | Medium | 3000 | 120 | 7300 | 10° | 2800 |
| 16580 | 39PAR38/HAL/NFL25/DL | 39 | 520 | Medium | 3000 | 120 | 2000 | 25° | 2800 |
| 16147 | 39PAR38/HAL/S/SP10/TL | 39 | 530 | Medium | 4500 | 120 | 7400 | 10° | 2750 |
| 16148 | 39PAR38/HAL/S/NFL25/TL | 39 | 530 | Medium | 4500 | 120 | 2100 | 25° | 2750 |
| 16598 | 42PAR38/HAL/IRS/SP10/TL | 42 | 750 | Medium | 4500 | 120 | 8400 | 10° | 2750 |
| 16600 | 42PAR38/HAL/IRS/NFL25/TL | 42 | 750 | Medium | 4500 | 120 | 2300 | 25° | 2750 |
| 16734 | 50PAR38/HAL/S/SP10 | 50 | 850 | Medium | 1500 | 120 | 11900 | 10° | 2875 |
| 16735 | 50PAR38/HAL/S/NFL25 | 50 | 850 | Medium | 1500 | 120 | 3300 | 25° | 2875 |
| 16582 | 50PAR38/HAL/IR/SP10/DL | 50 | 850 | Medium | 3000 | 120 | 11900 | 10° | 2825 |
| 16583 | 50PAR38/HAL/IR/NFL25/DL | 50 | 850 | Medium | 3000 | 120 | 3300 | 25° | 2825 |
| 16601 | 50PAR38/HAL/IRS/SP10/TL | 50 | 950 | Medium | 4500 | 120 | 13300 | 10° | 2800 |
| 16602 | 50PAR38/HAL/IRS/NFL25/TL | 50 | 950 | Medium | 4500 | 120 | 3700 | 25° | 2800 |
| 16737 | 60PAR38/HAL/S/SP10 | 60 | 1070 | Medium | 1500 | 120 | 14900 | 10° | 2900 |
| 16738 | 60PAR38/HAL/S/NFL25 | 60 | 1070 | Medium | 1500 | 120 | 4100 | 25° | 2900 |
| 16740 | 60PAR38/HAL/S/NFL25/CVP | 60 | 1070 | Medium | 1500 | 120 | 4100 | 25° | 2900 |
| 16741 | 60PAR38/HAL/S/FL30/DAY | 60 | 910 | Medium | 1500 | 120 | 1300 | 30° | 2950 |
| 16584 | 60PAR38/HAL/IR/SP10/DL | 60 | 1100 | Medium | 3000 | 120 | 15400 | 10° | 2850 |
| 16585 | 60PAR38/HAL/IR/NFL25/DL | 60 | 1100 | Medium | 3000 | 120 | 4300 | 25° | 2850 |
| 16603 | 60PAR38/HAL/IRS/SP10/TL | 60 | 1200 | Medium | 4500 | 120 | 16800 | 10° | 2825 |
| 16604 | 60PAR38/HAL/IRS/NFL25/TL | 60 | 1200 | Medium | 4500 | 120 | 4600 | 25° | 2825 |

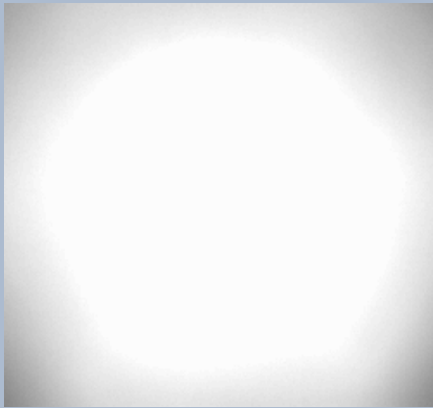
Ordering Information (continued)

| Item Number | Ordering Abbreviation | Watts | Lumens | Base | Average Rated Life (hrs.) | Voltage (V) | CBCP (cd) | Beam Angle | CCT (K) |
|-------------|-------------------------|-------|--------|----------------|---------------------------|-------------|-----------|------------|---------|
| 16742 | 70PAR38/HAL/S/SP10 | 70 | 1305 | Medium | 1500 | 120 | 18200 | 10° | 2925 |
| 16743 | 70PAR38/HAL/S/NFL25 | 70 | 1305 | Medium | 1500 | 120 | 5100 | 25° | 2925 |
| 16746 | 70PAR38/HAL/S/WFL50 | 70 | 1305 | Medium | 1500 | 120 | 1900 | 50° | 2925 |
| 16590 | 70PAR38/HAL/IR/SP10/DL | 70 | 1305 | Medium | 3000 | 120 | 18000 | 10° | 2875 |
| 16591 | 70PAR38/HAL/IR/NFL25/DL | 70 | 1305 | Medium | 3000 | 120 | 5100 | 25° | 2875 |
| 16592 | 70PAR38/HAL/IR/WFL50/DL | 70 | 1305 | Medium | 3000 | 120 | 1900 | 50° | 2875 |
| 13850 | 75PAR38/HAL/3FL | 75 | 1040 | Med Side Prong | 2000 | 120 | 1800 | 30° | 2850 |
| 16747 | 80PAR38/HAL/S/SP10 | 80 | 1545 | Medium | 1500 | 120 | 21600 | 10° | 2950 |
| 16748 | 80PAR38/HAL/S/NFL25 | 80 | 1545 | Medium | 1500 | 120 | 6000 | 25° | 2950 |
| 16751 | 80PAR38/HAL/S/WFL50 | 80 | 1545 | Medium | 1500 | 120 | 2300 | 50° | 2950 |
| 16593 | 80PAR38/HAL/IR/SP10/DL | 80 | 1545 | Medium | 3000 | 120 | 21600 | 10° | 2900 |
| 16594 | 80PAR38/HAL/IR/NFL25/DL | 80 | 1545 | Medium | 3000 | 120 | 6000 | 25° | 2900 |
| 16595 | 80PAR38/HAL/IR/WFL50/DL | 80 | 1545 | Medium | 3000 | 120 | 2300 | 50° | 2900 |
| 14630 | 90PAR38/HAL/3WSP12 | 90 | 1310 | Med Side Prong | 2500 | 120 | 14300 | 12° | 2925 |
| 14632 | 90PAR38/HAL/3FL30 | 90 | 1310 | Med Side Prong | 2500 | 120 | 3500 | 30° | 2925 |
| 13932 | 100PAR38/FL/Y/RP | 100 | Yellow | Med Skirt | 2000 | 120 | Colored | 30° | 2850 |
| 13933 | 100PAR38/FL/R/RP | 100 | Red | Med Skirt | 2000 | 120 | Colored | 30° | 2850 |
| 13934 | 100PAR38/FL/A/RP | 100 | Amber | Med Skirt | 2000 | 120 | Colored | 30° | 2850 |
| 13948 | 100PAR38/FL/B/RP | 100 | Blue | Med Skirt | 2000 | 120 | Colored | 30° | 2850 |
| 13949 | 100PAR38/FL/G/RP | 100 | Green | Med Skirt | 2000 | 120 | Colored | 30° | 2850 |
| 13853 | 150PAR38/HAL/3FL | 150 | 2175 | Med Side Prong | 2000 | 120 | 4000 | 30° | 2850 |
| 15526 | 250PAR38/HAL/SP10 | 250 | 3600 | Med Skirt | 4500 | 120 | 46500 | 10° | 3025 |
| 15558 | 250PAR38/HAL/FL30 | 250 | 3600 | Med Skirt | 4500 | 120 | 9000 | 30° | 3025 |

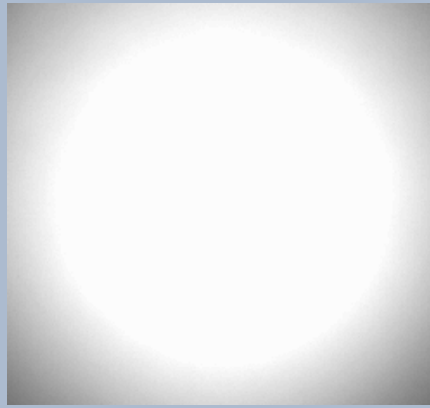
Ordering Guide

| 50 | PAR30 | LN | / | HAL | / | IR | / | SP | 10 | / | DL | / | 2 |
|--------------|---------------------|-----------|---|---------|---|-----------------------------|---|--------------------|------------|---|--------------------------------------|---|-----------|
| Wattage: | Parabolic Reflector | Long Neck | | HALOGEN | | IR = Infrared S = Silver | | Beam Spread | Beam Angle | | DL = Double Life TL = Triple Life | | 2 = 2/SKU |
| 35, 39, 42, | Diameter | | | | | | | NSP = Narrow Spot | 9° | | | | |
| 50, 60, 70, | 14=14/8" | | | | | | | SP = Spot | 10° | | | | |
| 75, 80, 90, | 16=16/8" | | | | | | | WSP = Wide Spot | 12° | | | | |
| 100, 150 and | 20=20/8" | | | | | | | NFL = Narrow Flood | 25° | | | | |
| 250 | 30=30/8" | | | | | | | FL = Flood | 30° | | | | |
| | 38=38/8" | | | | | | | WFL = Wide Flood | 40° | | | | |
| | | | | | | | | WFL = Wide Flood | 50° | | | | |

Optical Performance



Standard Halogen PAR



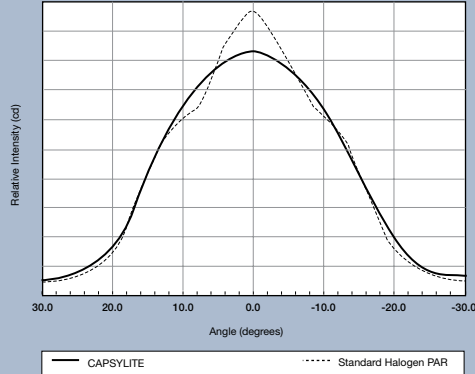
CAPSYLITE SPL2 Optics

Proprietary CAPSYLITE® SPL2 Optical System

CAPSYLITE SPL2 lamps employ a patented spiral lenticule layout on their lenses. These patterns were developed with computer-aided design to deliver a smooth, round beam pattern that is free from hot spots and stray light. The lenses, however, are only half of the story. The spiral flat reflectors were also developed with computer-aided design to work in concert with the lenses. The spiral flats on the inner surface of the reflector begin to shape and contour the light rays before they reach the lens. The reflector and the lens, therefore, share the job of controlling the light so that the resultant beam pattern is as smooth as possible. The optical system maximizes the lumens in the beam angle, while providing consistent lamp-to-lamp performance.

Beam Performance

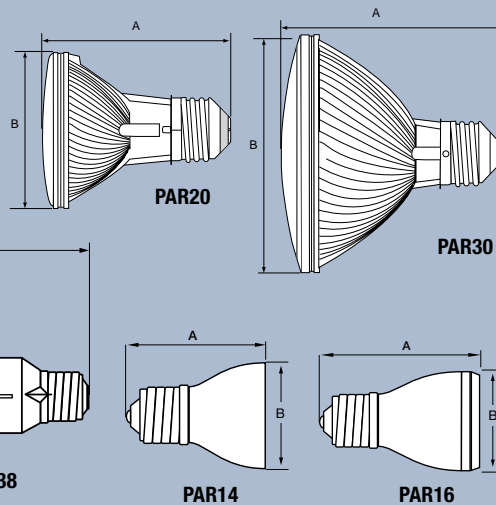
Comparison of Standard Halogen PAR to CAPSYLITE with SPL2 Optics



The beam performance of the CAPSYLITE product line with SPL optics changes the way PAR lamps are specified. Traditionally, PAR lamps were designed to provide peak intensity in the center of the beam and the light level dropped rapidly from that point. In contrast, the CAPSYLITE product line is designed to give a more uniform intensity distribution across the beam with no hot spots. The result is a uniform light level on the target that maximizes the impact of the halogen source.

Dimensions

| Bulb | (A) MOL | (B) Bulb Diameter |
|---------|----------|-------------------|
| PAR14 | 2 7/16" | 1 3/4" |
| PAR16 | 2 7/8" | 2" |
| PAR20 | 3 1/4" | 2 1/2" |
| PAR30 | 3 5/8" | 3 3/4" |
| PAR30LN | 4 11/16" | 3 3/4" |
| PAR38 | 5 5/16" | 4 3/4" |



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Lamp shall be CAPSYLITE halogen (PAR14, PAR16, PAR20, PAR30, PAR30LN or PAR38) lamp with a (1500, 2000, 2500, 3000, 4500 or 6000) hour average rated life. Lamps shall be energy efficient and produced to EPACT standards.

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