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Philips Halogen Lamps are designed to provide visual appeal, highlight merchandise and save on energy costs.

# Put people and merchandise in the best light

The Philips Halogen lamp family is perfect for retail lighting. Halogen lamps provide bright, white light and help save on energy and maintenance costs.

**Halogen Energy Advantage IR Plus Lamps** provide the most enhanced features of our halogen lamp line.







The double-ended burner with an IR coating optimizes lumen output. Therefore, you can use a lower wattage lamp to achieve energy savings and also get a longer rated average life than standard halogen equivalents.

**Halogená Energy Advantage Lamps** provide increased energy saving when compared to standard incandescent lamps and last longer.

**EcoVantage Lamps** are an elegant, energy saving alternative to ordinary household incandescent light.

EcoVantage lamps are fully dimmable and meet the requirement of EISA 2007\* legislation.

\* Complies with the Energy Independence and Security Act of 2007 (Public Law 110-140). Section 321—Efficient Light Bulbs.

| Current Product                                                                                                 | Philips Upgrade Product                                                                                                               | Benefit                                                                                                                                                                                                                                                                                                | Page |
|-----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
|  <p>60W PAR38 Halogen</p>    |  <p>Energy Advantage Halogen PAR38 IR Plus 39W</p> | <ul style="list-style-type: none"> <li>• High quality light brings out colors and textures</li> <li>• High performance IR coating on a double-ended quartz burner</li> <li>• Increased uniform beam intensity without hot spots</li> </ul>                                                             | 102  |
|  <p>75W R20 Incandescent</p> |  <p>Halogená Energy Advantage R20 40W</p>          | <ul style="list-style-type: none"> <li>• Save 35W and 47% energy saving<sup>1</sup></li> <li>• Complies with EISA 2007 (Energy Independence and Security Act of 2007) efficiency standards for 2012–2014</li> </ul>                                                                                    | 100  |
|  <p>60W A19 Incandescent</p> |  <p>EcoVantage Natural Light 43W</p>               | <ul style="list-style-type: none"> <li>• Provides light similar to natural daylight</li> <li>• Saves 28% in energy costs when replacing a 60W incandescent<sup>1</sup></li> <li>• Complies with EISA 2007 (Energy Independence and Security Act of 2007) efficiency standards for 2012–2014</li> </ul> | 98   |

1) 75W - 40W = 35W / 75W = 47%. When compared to a 75-Watt standard incandescent A19 rated at 570 lumens, the 40-Watt EcoVantage A19 rated at 570 lumens provides 47% energy savings.  
 2) 60W - 43W = 17W / 60W = 28%. When compared to a 60-Watt standard incandescent A19 rated at 680 lumens, the 43-Watt EcoVantage A19 rated at 630 lumens provides 28% energy savings.

# Halogen Lamps

## EcoVantage Lamps

| Watts                               | Bulb | Base | Product Number | Symbols, Footnotes | Ordering Code | Volts | Pkg. Qty.‡ | Description   | Class Filament | MOL (In.) | Rated Avg. Life (Hrs.)(93) | Approx. MBCP* | Lumens | Life Years (446) | Energy Cost (445) | Color Temp. (K) |
|-------------------------------------|------|------|----------------|--------------------|---------------|-------|------------|---------------|----------------|-----------|----------------------------|---------------|--------|------------------|-------------------|-----------------|
| <b>EcoVantage A-Shape (97, 103)</b> |      |      |                |                    |               |       |            |               |                |           |                            |               |        |                  |                   |                 |
| <b>FTC REQUIREMENTS</b>             |      |      |                |                    |               |       |            |               |                |           |                            |               |        |                  |                   |                 |
| 29                                  | A19  | Med. | 40983-9        | \$                 | 29A19/EV      | 120   | 12         | White         | C, CC-8        | 4%        | 1000                       | —             | 400    | 0.9              | \$3.49            | 2810            |
|                                     |      |      | 42600-7        | \$†                | 29A19/EV      | 120   | 24         | White         | C, CC-8        | 4%        | 1000                       | —             | 400    | 0.9              | \$3.49            | 2810            |
|                                     |      |      | 41050-6        | \$                 | 29A19/EV/CL   | 120   | 12         | Clear         | C, CC-8        | 4%        | 1000                       | —             | 400    | 0.9              | \$3.49            | 2790            |
| 43                                  | A19  | Med. | 40984-7        | \$                 | 43A19/EV      | 120   | 12         | White         | C, CC-8        | 4%        | 1000                       | —             | 750    | 0.9              | \$5.18            | 2920            |
|                                     |      |      | 42603-1        | \$†                | 43A19/EV      | 120   | 24         | White         | C, CC-8        | 4%        | 1000                       | —             | 750    | 0.9              | \$5.18            | 2920            |
|                                     |      |      | 41049-8        | \$                 | 43A19/EV/CL   | 120   | 12         | Clear         | C, CC-8        | 4%        | 1000                       | —             | 750    | 0.9              | \$5.18            | 2920            |
|                                     |      |      | 22695-1        | \$                 | 43A19/EV/NTL  | 120   | 12         | Natural Light | C, CC-8        | 4%        | 1100                       | —             | 600    | 1.0              | \$5.18            | 2930            |
| 53                                  | A19  | Med. | 22696-9        | \$                 | 53A19/EV/NTL  | 120   | 12         | Natural Light | C, CC-8        | 4%        | 1100                       | —             | 790    | 1.0              | \$6.38            | 2960            |
| 72                                  | A19  | Med. | 40982-1        | \$                 | 72A19/EV      | 120   | 12         | White         | C, CC-8        | 4%        | 1000                       | —             | 1490   | 0.9              | \$8.67            | 3000            |
|                                     |      |      | 42604-9        | \$†                | 72A19/EV      | 120   | 24         | White         | C, CC-8        | 4%        | 1000                       | —             | 1490   | 0.9              | \$8.67            | 3000            |
|                                     |      |      | 41048-0        | \$                 | 72A19/EV/CL   | 120   | 12         | Clear         | C, CC-8        | 4%        | 1000                       | —             | 1490   | 0.9              | \$8.67            | 2990            |
|                                     |      |      | 22699-3        | \$                 | 72A19/EV/NTL  | 120   | 12         | Natural Light | C, CC-8        | 4%        | 1100                       | —             | 1170   | 1.0              | \$8.67            | 3070            |

### EcoVantage Decorative Blister-Carded

|    |         |       |         |             |                     |     |    |                     |         |       |      |   |      |     |        |      |
|----|---------|-------|---------|-------------|---------------------|-----|----|---------------------|---------|-------|------|---|------|-----|--------|------|
| 25 | B11     | Cand. | 42411-9 | (97)*\$†    | 25B11/E12/EV/CL     | 120 | 12 | Clear, Blister Card | C, CC-8 | 3 3/8 | 2750 | — | 280  | 2.5 | \$3.01 | 2900 |
|    |         |       | 42415-0 | (97)*\$†    | 25B11/E12/EV/FR     | 120 | 12 | Frost, Blister Card | C, CC-8 | 3 3/8 | 2200 | — | 280  | 2.0 | \$3.01 | 2900 |
|    |         | Med.  | 42427-5 | (97)*\$†    | 25B11/E26/EV/CL     | 120 | 12 | Clear, Blister Card | C, CC-8 | 3 3/8 | 2200 | — | 280  | 2.0 | \$3.01 | 2900 |
|    | BA11    | Cand. | 42409-3 | (97)*\$†    | 25BA11/E12/EV/CL    | 120 | 12 | Clear, Blister Card | C, CC-8 | 4     | 2750 | — | 280  | 2.0 | \$3.01 | 2900 |
|    |         |       | 42413-5 | (97)*\$†    | 25BA11/E12/EV/FR    | 120 | 12 | Frost, Blister Card | C, CC-8 | 4     | 2200 | — | 280  | 2.0 | \$3.01 | 2900 |
|    |         | Med.  | 42425-9 | (97)*\$†    | 25BA11/E26/EV/CL    | 120 | 12 | Clear, Blister Card | C, CC-8 | 3 3/8 | 2200 | — | 280  | 2.0 | \$3.01 | 2900 |
|    | G16 1/2 | Cand. | 42086-9 | (97)*\$†    | BC25G16 1/2/C/EV/CL | 120 | 12 | Clear, Blister Card | C, CC-8 | 2 3/8 | 2200 | — | 270  | 2.0 | \$3.01 | 2700 |
|    |         |       | 42087-7 | (97)*\$†    | BC25G16 1/2/C/EV/W  | 120 | 12 | White, Blister Card | C, CC-8 | 2 3/8 | 2200 | — | 270  | 2.0 | \$3.01 | 2700 |
| 40 | B11     | Cand. | 42412-7 | (97)*\$†    | 40B11/E12/EV/CL     | 120 | 12 | Clear, Blister Card | C, CC-8 | 3 3/8 | 2750 | — | 540  | 2.5 | \$4.82 | 2900 |
|    |         |       | 42416-8 | (97)*\$†    | 40B11/E12/EV/FR     | 120 | 12 | Frost, Blister Card | C, CC-8 | 3 3/8 | 2200 | — | 540  | 2.0 | \$4.82 | 2900 |
|    |         | Med.  | 42428-3 | (97)*\$†    | 40B11/E26/EV/CL     | 120 | 12 | Clear, Blister Card | C, CC-8 | 3 3/8 | 2200 | — | 540  | 2.0 | \$4.82 | 2900 |
|    | BA11    | Cand. | 42410-1 | (97)*\$†    | 40BA11/E12/EV/CL    | 120 | 12 | Clear, Blister Card | C, CC-8 | 4     | 2750 | — | 540  | 2.5 | \$4.82 | 2900 |
|    |         |       | 42414-3 | (97)*\$†    | 40BA11/E12/EV/FR    | 120 | 12 | Frost, Blister Card | C, CC-8 | 4     | 2200 | — | 540  | 2.0 | \$4.82 | 2900 |
|    |         | Med.  | 42426-7 | (97)*\$†    | 40BA11/E26/EV/CL    | 120 | 12 | Clear, Blister Card | C, CC-8 | 3 3/8 | 2200 | — | 540  | 2.0 | \$4.82 | 2900 |
| 72 | F15     | Med.  | 42385-5 | (88,103)\$† | BC72F15/EV/CL       | 120 | 4  | Clear, Blister Card | C, CC-8 | 4 1/4 | 1000 | — | 1490 | 0.9 | \$8.67 | 3000 |

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Halogen symbols and footnotes located on page 109



# Halogen Lamps

## EcoVantage Lamps

| Watts | Bulb | Base | Product Number | Symbols, Footnotes | Ordering Code | Volts | Pkg. Qty.† | Description | Class Filament | MOL (In.) | Rated Avg. Life (Hrs.)(93) | Approx. MBCP* | Lumens | Life Years (446) | Energy Cost (445) | Color Temp. (K) |
|-------|------|------|----------------|--------------------|---------------|-------|------------|-------------|----------------|-----------|----------------------------|---------------|--------|------------------|-------------------|-----------------|
|-------|------|------|----------------|--------------------|---------------|-------|------------|-------------|----------------|-----------|----------------------------|---------------|--------|------------------|-------------------|-----------------|

### EcoVantage Decorative Boxed (97)

### FTC REQUIREMENTS

|    |     |      |         |     |             |     |    |       |         |    |      |   |     |     |        |      |
|----|-----|------|---------|-----|-------------|-----|----|-------|---------|----|------|---|-----|-----|--------|------|
| 25 | G25 | Med. | 42423-4 | \$† | 25G25/EV/CL | 120 | 12 | Clear | C, CC-8 | 4% | 2200 | — | 280 | 2.0 | \$3.01 | 2800 |
|    |     |      | 42424-2 | \$† | 25G25/EV/W  | 120 | 12 | White | C, CC-8 | 4% | 2200 | — | 255 | 2.0 | \$3.01 | 2800 |
| 40 | G25 | Med. | 42084-4 | \$† | 40G25/EV/CL | 120 | 12 | Clear | C, CC-8 | 4% | 2200 | — | 550 | 2.0 | \$4.82 | 2800 |
|    |     |      | 42085-1 | \$† | 40G25/EV/W  | 120 | 12 | White | C, CC-8 | 4% | 2200 | — | 500 | 2.0 | \$4.82 | 2800 |

### EcoVantage Reflectors (97)

|    |      |      |         |           |              |     |   |       |         |     |      |   |      |     |        |      |
|----|------|------|---------|-----------|--------------|-----|---|-------|---------|-----|------|---|------|-----|--------|------|
| 40 | R20  | Med. | 42117-2 | \$Ⓢ†      | 40R20/EV/FL  | 120 | 6 | Flood | C, CC-8 | 3½% | 2750 | — | 570  | 2.5 | \$4.82 | 2700 |
|    | BR30 | Med. | 42106-5 | \$Ⓢ†      | 40BR30/EV/FL | 120 | 5 | Flood | C, CC-8 | 5%  | 2750 | — | 590  | 2.5 | \$4.82 | 2710 |
|    | BR40 | Med. | 42116-4 | \$Ⓢ†      | 40BR40/EV/FL | 120 | 4 | Flood | C, CC-8 | 6%  | 2750 | — | 605  | 2.5 | \$4.82 | 2730 |
| 50 | BR30 | Med. | 42118-0 | \$Ⓢ†      | 50BR30/EV/FL | 120 | 5 | Flood | C, CC-8 | 5%  | 2750 | — | 730  | 2.5 | \$6.02 | 2900 |
| 70 | BR40 | Med. | 42119-8 | (104)\$Ⓢ† | 70BR40/EV/FL | 120 | 4 | Flood | C, CC-8 | 6%  | 2750 | — | 1225 | 2.5 | \$8.43 | 2900 |

### EcoVantage Halogen Pro PAR20 Lamps (82, 86)

|    |       |      |         |     |                  |     |    |           |         |    |      |      |     |     |        |      |
|----|-------|------|---------|-----|------------------|-----|----|-----------|---------|----|------|------|-----|-----|--------|------|
| 39 | PAR20 | Med. | 42512-4 | \$† | 39PAR20/EVP/SP10 | 120 | 15 | Spot 10°  | C, CC-8 | 3% | 1100 | 3840 | 500 | 1.0 | \$4.70 | 2900 |
|    |       |      | 42520-7 | \$† | 39PAR20/EVP/FL25 | 120 | 15 | Flood 25° | C, CC-8 | 3% | 1100 | 865  | 500 | 1.0 | \$4.70 | 2900 |

### EcoVantage Halogen Pro PAR30S Lamps (82, 86)

|    |        |      |         |           |                    |     |    |                |         |    |      |        |     |     |        |      |
|----|--------|------|---------|-----------|--------------------|-----|----|----------------|---------|----|------|--------|-----|-----|--------|------|
| 39 | PAR30S | Med. | 42891-2 | \$†       | 39PAR30S/EVP/SP10  | 120 | 15 | Spot 10°       | C, CC-8 | 3% | 1100 | 6300   | 530 | 1.0 | \$4.70 | 2900 |
|    |        |      | 42896-0 | \$†       | 39PAR30S/EVP/FL25  | 120 | 15 | Flood 25°      | C, CC-8 | 3% | 1100 | 1870   | 530 | 1.0 | \$4.70 | 2900 |
| 53 | PAR30S | Med. | 42888-8 | \$Ⓢ†(104) | 53PAR30S/EVP/SP10  | 120 | 15 | Spot 10°       | C, CC-8 | 3% | 1100 | 10,000 | 920 | 1.0 | \$6.38 | 2860 |
|    |        |      | 42890-4 | \$Ⓢ†(104) | 53PAR30S/EVP/FL25  | 120 | 15 | Flood 25°      | C, CC-8 | 3% | 1100 | 3100   | 920 | 1.0 | \$6.38 | 2860 |
|    |        |      | 42898-6 | \$Ⓢ†(104) | 53PAR30S/EVP/WFL40 | 120 | 15 | Wide Flood 40° | C, CC-8 | 3% | 1100 | 1400   | 920 | 1.0 | \$6.38 | 2860 |

### EcoVantage Halogen Pro PAR30L Lamps (82, 86)

|    |        |      |         |           |                    |     |    |                |         |     |      |      |     |     |        |      |
|----|--------|------|---------|-----------|--------------------|-----|----|----------------|---------|-----|------|------|-----|-----|--------|------|
| 39 | PAR30L | Med. | 42887-0 | \$†       | 39PAR30L/EVP/FL25  | 120 | 15 | Flood 25°      | C, CC-8 | 4½% | 1100 | 1870 | 520 | 1.0 | \$4.70 | 2900 |
| 53 | PAR30L | Med. | 42892-0 | \$Ⓢ†(104) | 53PAR30L/EVP/FL25  | 120 | 15 | Flood 25°      | C, CC-8 | 4½% | 1100 | 3100 | 920 | 1.0 | \$6.38 | 2860 |
|    |        |      | 42895-2 | \$Ⓢ†(104) | 53PAR30L/EVP/WFL40 | 120 | 15 | Wide Flood 40° | C, CC-8 | 4½% | 1100 | 1400 | 920 | 1.0 | \$6.38 | 2860 |

### EcoVantage Halogen Pro PAR38 Lamps (82, 86)

|    |       |          |         |           |                  |     |    |           |         |    |      |        |      |     |        |      |
|----|-------|----------|---------|-----------|------------------|-----|----|-----------|---------|----|------|--------|------|-----|--------|------|
| 39 | PAR38 | Med.Skt. | 42886-2 | \$†       | 39PAR38/EVP/SP10 | 120 | 12 | Spot 10°  | C, CC-8 | 5% | 1100 | 7000   | 570  | 1.0 | \$4.70 | 2900 |
|    |       |          | 42884-7 | \$†       | 39PAR38/EVP/FL25 | 120 | 12 | Flood 25° | C, CC-8 | 5% | 1100 | 1900   | 570  | 1.0 | \$4.70 | 2900 |
| 53 | PAR38 | Med.Skt. | 42889-6 | \$Ⓢ†(104) | 53PAR38/EVP/SP10 | 120 | 12 | Spot 10°  | C, CC-8 | 5% | 1100 | 11,000 | 920  | 1.0 | \$6.38 | 2860 |
|    |       |          | 42885-4 | \$Ⓢ†(104) | 53PAR38/EVP/FL25 | 120 | 12 | Flood 25° | C, CC-8 | 5% | 1100 | 3250   | 920  | 1.0 | \$6.38 | 2860 |
| 72 | PAR38 | Med.Skt. | 42894-6 | \$Ⓢ†(104) | 72PAR38/EVP/SP10 | 120 | 12 | Spot 10°  | C, CC-8 | 5% | 1100 | 16,000 | 1350 | 1.0 | \$8.67 | 2880 |
|    |       |          | 42893-8 | \$Ⓢ†(104) | 72PAR38/EVP/FL25 | 120 | 12 | Flood 25° | C, CC-8 | 5% | 1100 | 4500   | 1350 | 1.0 | \$8.67 | 2880 |

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Halogen symbols and footnotes located on page 109



# Halogen Lamps

## Halogená and Halogen PAR Lamps

| Watts                                          | Bulb | Base  | Product Number | Symbols, Footnotes | Ordering Code       | Volts | Pkg. Qty.‡ | Description         | Class Filament | MOL (In.) | Rated Avg. Life (Hrs.)(93) | Approx. MBCP* | Lumens | Life Years (446) | Energy Cost (445) | Color Temp. (K) |
|------------------------------------------------|------|-------|----------------|--------------------|---------------------|-------|------------|---------------------|----------------|-----------|----------------------------|---------------|--------|------------------|-------------------|-----------------|
| <b>Halogená Decorative Blister-Carded (96)</b> |      |       |                |                    |                     |       |            |                     |                |           |                            |               |        |                  |                   |                 |
| 25                                             | F10½ | Cand. | 14450-1        |                    | BC25F10½/C/HAL/CL   | 120   | 12         | Clear, Blister Card | C, CC-8        | 4¾        | 3000                       | —             | 300    | 2.7              | \$3.01            | 2900            |
|                                                |      |       | 14453-5        |                    | BC25F10½/HAL/CLTP   | 120   | 12         | Clear, Blister Card | C, CC-8        | 4¾        | 3000                       | —             | 300    | 2.7              | \$3.01            | 2900            |
| 40                                             | F10½ | Cand. | 14451-9        |                    | BC40F10½/C/HAL/CL   | 120   | 12         | Clear, Blister Card | C, CC-8        | 4¾        | 3000                       | —             | 540    | 2.7              | \$4.82            | 2900            |
|                                                |      |       | 14454-3        |                    | BC40F10½/HAL/CLTP   | 120   | 12         | Clear, Blister Card | C, CC-8        | 4¾        | 3000                       | —             | 540    | 2.7              | \$4.82            | 2900            |
| 60                                             | F15  | Med.  | 38551-8        |                    | BC60F15/HAL/POSTTOP | 120   | 4          | Clear, Blister Card | C, CC-8        | 4¾        | 3000                       | —             | 1000   | 2.7              | \$7.23            | 2900            |

### FTC REQUIREMENTS

## Halogená Energy Advantage Pro Packs (97, 102)

|    |      |      |         |           |               |     |    |       |         |    |      |   |      |     |        |      |
|----|------|------|---------|-----------|---------------|-----|----|-------|---------|----|------|---|------|-----|--------|------|
| 40 | R20  | Med. | 22236-4 | \$Ⓢ       | 40R20/HEA/FL  | 120 | 12 | Flood | C, CC-8 | 3½ | 3000 | — | 550  | 2.7 | \$4.82 | 2700 |
|    | BR30 | Med. | 21359-5 | \$Ⓢ       | 40BR30/HEA/FL | 120 | 12 | Flood | C, CC-8 | 5¾ | 3000 | — | 570  | 2.7 | \$4.82 | 2700 |
|    | BR40 | Med. | 22238-0 | \$Ⓢ       | 40BR40/HEA/FL | 120 | 12 | Flood | C, CC-8 | 6¾ | 3000 | — | 590  | 2.7 | \$4.82 | 2730 |
| 70 | BR40 | Med. | 22997-1 | (104) \$Ⓢ | 70BR40/HEA/FL | 120 | 12 | Flood | C, CC-8 | 6¾ | 3000 | — | 1285 | 2.7 | \$8.43 | 2810 |

## Halogen PAR16 Lamps (82, 86)

|    |       |      |         |  |                  |     |    |           |         |    |      |      |     |     |        |      |
|----|-------|------|---------|--|------------------|-----|----|-----------|---------|----|------|------|-----|-----|--------|------|
| 45 | PAR16 | Med. | 26335-0 |  | 45PAR16/HAL/SP10 | 120 | 15 | Spot 10°  | C, CC-8 | 3¾ | 3000 | 3850 | 420 | 2.7 | \$5.42 | 2900 |
|    |       |      | 26345-9 |  | 45PAR16/HAL/FL27 | 120 | 15 | Flood 27° | C, CC-8 | 3¾ | 3000 | 1275 | 420 | 2.7 | \$5.42 | 2800 |
| 60 | PAR16 | Med. | 33004-3 |  | 60PAR16/HAL/SP10 | 120 | 15 | Spot 10°  | C, CC-8 | 3¾ | 3000 | 5075 | 580 | 2.7 | \$7.23 | 2900 |
|    |       |      | 33006-8 |  | 60PAR16/HAL/FL27 | 120 | 15 | Flood 27° | C, CC-8 | 3¾ | 3000 | 1900 | 580 | 2.7 | \$7.23 | 2900 |

## Halogen PAR16 Lamps 130V (82, 86)

|    |       |      |         |  |                  |     |    |                                 |         |    |      |      |     |     |        |      |
|----|-------|------|---------|--|------------------|-----|----|---------------------------------|---------|----|------|------|-----|-----|--------|------|
| 45 | PAR16 | Med. | 26348-3 |  | 45PAR16/HAL/FL27 | 130 | 15 | Flood 27°<br>Ratings @ 120V=40W | C, CC-8 | 3¾ | 2500 | 1275 | 450 | 4.6 | \$5.42 | 2900 |
|    |       |      |         |  |                  |     |    |                                 |         |    | 5000 | 1040 | 340 |     |        |      |
| 60 | PAR16 | Med. | 33007-6 |  | 60PAR16/HAL/FL27 | 130 | 15 | Flood 27°<br>Ratings @ 120V=53W | C, CC-8 | 3¾ | 3000 | 1900 | 580 | 5.5 | \$7.23 | 2900 |
|    |       |      |         |  |                  |     |    |                                 |         |    | 6000 | 1440 | 450 |     |        |      |

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Halogen symbols and footnotes located on page 109



# Halogen Lamps

## PAR20 Electronic and Energy Advantage Lamps

| Watts | Bulb | Base | Product Number | Symbols, Footnotes | Ordering Code | Volts | Pkg. Qty.‡ | Description | Class Filament | MOL (In.) | Rated Avg. Life (Hrs.)(93) | Approx. MBCP* | Lumens | Life Years (446) | Energy Cost (445) | Color Temp. (K) |
|-------|------|------|----------------|--------------------|---------------|-------|------------|-------------|----------------|-----------|----------------------------|---------------|--------|------------------|-------------------|-----------------|
|-------|------|------|----------------|--------------------|---------------|-------|------------|-------------|----------------|-----------|----------------------------|---------------|--------|------------------|-------------------|-----------------|

### PAR20 Electronic Lamps (82, 86)

### FTC REQUIREMENTS

|    |       |      |         |      |               |     |    |           |        |    |      |      |     |     |        |      |
|----|-------|------|---------|------|---------------|-----|----|-----------|--------|----|------|------|-----|-----|--------|------|
| 20 | PAR20 | Med. | 40494-7 | \$ □ | 20PAR20E/SP10 | 120 | 12 | Spot 10°  | C, C-8 | 3% | 5000 | 6600 | 220 | 4.6 | \$2.41 | 2900 |
|    |       | Med. | 15216-5 | \$ □ | 20PAR20E/FL25 | 120 | 12 | Flood 25° | C, C-8 | 3% | 5000 | 1200 | 220 | 4.6 | \$2.41 | 2900 |

### Energy Advantage IR Plus (IRC+) Halogen PAR30 Long Neck Lamps (82, 86)

|    |        |      |         |            |                     |     |    |                |         |    |      |        |     |     |        |      |
|----|--------|------|---------|------------|---------------------|-----|----|----------------|---------|----|------|--------|-----|-----|--------|------|
| 50 | PAR30L | Med. | 23799-0 | \$ © (104) | 50PAR30L/IRC+/SP10  | 120 | 15 | Spot 10°       | C, CC-8 | 4% | 4400 | 12,000 | 900 | 4.0 | \$6.02 | 2750 |
|    |        |      | 23429-4 | \$ © (104) | 50PAR30L/IRC+/FL25  | 120 | 15 | Flood 25°      | C, CC-8 | 4% | 4400 | 3500   | 900 | 4.0 | \$6.02 | 2750 |
|    |        |      | 23800-6 | \$ © (104) | 50PAR30L/IRC+/WFL40 | 120 | 15 | Wide Flood 40° | C, CC-8 | 4% | 4400 | 1600   | 900 | 4.0 | \$6.02 | 2750 |

### Energy Advantage IR Plus (IRC+) Halogen PAR30 Short Neck Lamps (82, 86)

|    |        |      |         |              |                     |     |    |                |         |    |      |        |      |     |        |      |
|----|--------|------|---------|--------------|---------------------|-----|----|----------------|---------|----|------|--------|------|-----|--------|------|
| 39 | PAR30S | Med. | 23853-5 |              | 39PAR30S/IRC+/SP10  | 120 | 15 | Spot 10°       | C, CC-8 | 3% | 4400 | 11,000 | 650  | 4.0 | \$4.70 | 2800 |
|    |        |      | 23854-3 |              | 39PAR30S/IRC+/FL25  | 120 | 15 | Flood 25°      | C, CC-8 | 3% | 4400 | 2200   | 650  | 4.0 | \$4.70 | 2800 |
| 50 | PAR30S | Med. | 14499-7 | \$ © † (104) | 50PAR30S/IRC+/SP10  | 120 | 15 | Spot 10°       | C, CC-8 | 3% | 4400 | 12,000 | 950  | 4.0 | \$6.02 | 2740 |
|    |        |      | 14500-3 | \$ © † (104) | 50PAR30S/IRC+/FL25  | 120 | 15 | Flood 25°      | C, CC-8 | 3% | 4400 | 3850   | 950  | 4.0 | \$6.02 | 2740 |
|    |        |      | 14501-1 | \$ © † (104) | 50PAR30S/IRC+/WFL40 | 120 | 15 | Wide Flood 40° | C, CC-8 | 3% | 4400 | 1420   | 950  | 4.0 | \$6.02 | 2740 |
| 55 | PAR30S | Med. | 23855-0 | \$ © (104)   | 55PAR30S/IRC+/SP10  | 120 | 15 | Spot 10°       | C, CC-8 | 3% | 4400 | 13,000 | 1020 | 4.0 | \$6.62 | 2760 |
|    |        |      | 23856-8 | \$ © (104)   | 55PAR30S/IRC+/FL25  | 120 | 15 | Flood 25°      | C, CC-8 | 3% | 4400 | 3300   | 1020 | 4.0 | \$6.62 | 2760 |
|    |        |      | 23857-6 | \$ © (104)   | 55PAR30S/IRC+/WFL40 | 120 | 15 | Wide Flood 40° | C, CC-8 | 3% | 4400 | 1500   | 1020 | 4.0 | \$6.62 | 2760 |

### Energy Advantage IR Economy (IRCE) Halogen PAR30 Short Neck Lamps (82, 86)

|    |        |      |         |              |                    |     |    |           |         |    |      |        |     |     |        |      |
|----|--------|------|---------|--------------|--------------------|-----|----|-----------|---------|----|------|--------|-----|-----|--------|------|
| 40 | PAR30S | Med. | 23751-1 | \$ © † (104) | 40PAR30S/IRCE/SP10 | 120 | 15 | Spot 10°  | C, CC-8 | 3% | 3000 | 8100   | 640 | 2.7 | \$4.82 | 2770 |
|    |        |      | 23729-7 | \$ © † (104) | 40PAR30S/IRCE/FL25 | 120 | 15 | Flood 25° | C, CC-8 | 3% | 3000 | 2100   | 640 | 2.7 | \$4.82 | 2770 |
| 50 | PAR30S | Med. | 23730-5 | \$ © † (104) | 50PAR30S/IRCE/SP10 | 120 | 15 | Spot 10°  | C, CC-8 | 3% | 3000 | 10,000 | 850 | 2.7 | \$6.02 | 2710 |
|    |        |      | 23731-3 | \$ © † (104) | 50PAR30S/IRCE/FL25 | 120 | 15 | Flood 25° | C, CC-8 | 3% | 3000 | 3000   | 850 | 2.7 | \$6.02 | 2710 |

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# Halogen Lamps

## PAR36 and Energy Advantage Lamps

| Watts                               | Bulb  | Base | Product Number | Symbols, Footnotes | Ordering Code | Volts | Pkg. Qty.† | Description      | Class Filament | MOL (In.) | Rated Avg. Life (Hrs.) <sup>(93)</sup> | Approx. MBCP* | Lumens | Life Years (446) | Energy Cost (445) | Color Temp. (K) |
|-------------------------------------|-------|------|----------------|--------------------|---------------|-------|------------|------------------|----------------|-----------|----------------------------------------|---------------|--------|------------------|-------------------|-----------------|
| <b>Halogen PAR36 Lamps (82, 86)</b> |       |      |                |                    |               |       |            |                  |                |           |                                        |               |        |                  |                   |                 |
| <b>FTC REQUIREMENTS</b>             |       |      |                |                    |               |       |            |                  |                |           |                                        |               |        |                  |                   |                 |
| 11                                  | PAR36 | MP   | 15683-6        |                    | 11PAR36Q/FL30 | 12    | 6          | PAR, Flood       | C, C-6         | 2¾        | 2000                                   | —             | 60     | 1.8              | \$1.32            | 3000            |
|                                     |       |      | 41718-8        | †                  | 11PAR36Q/FL30 | 12    | 12         | PAR, Flood       | C, C-6         | 2¾        | 2000                                   | —             | 60     | 1.8              | \$1.32            | 3000            |
| 25                                  | PAR36 | MP   | 42204-8        | †                  | 25PAR36Q/FL30 | 12    | 12         | PAR, Flood       | C, C-6         | 2¾        | 2000                                   | —             | 270    | 1.8              | \$3.01            | 3000            |
| 36                                  | PAR36 | MP   | 41525-7        | †                  | 36PAR36Q/FL30 | 12    | 6          | PAR, Flood       | C, C-6         | 2¾        | 4000                                   | —             | 450    | 3.7              | \$4.34            | 3000            |
| 50                                  | PAR36 | MP   | 22859-3        | †                  | 50PAR36/NSP   | 12    | 12         | PAR, Narrow Spot | C, C-6         | 2¾        | 2000                                   | —             | 650    | 1.8              | \$6.02            | 3000            |
|                                     |       |      | 41524-0        | †                  | 50PAR36Q/FL30 | 12    | 6          | PAR, Flood       | C, C-6         | 2¾        | 4000                                   | —             | 650    | 3.7              | \$6.02            | 3000            |
|                                     |       |      | 29603-8        | †                  | 50PAR36/WFL   | 12    | 12         | PAR, Wide Flood  | C, C-6         | 2¾        | 2000                                   | —             | 650    | 1.8              | \$6.02            | 3000            |

## Energy Advantage IR Plus (IRC+) Halogen PAR38 (82, 86)

|     |                   |          |         |            |                     |     |    |                |         |    |      |        |      |     |         |      |
|-----|-------------------|----------|---------|------------|---------------------|-----|----|----------------|---------|----|------|--------|------|-----|---------|------|
| 39  | PAR38             | Med.Skt. | 23844-4 | \$         | 39PAR38/IRC+/SP10   | 120 | 12 | Spot 10°       | C, CC-8 | 5% | 4400 | 11,000 | 680  | 4.0 | \$4.70  | 2800 |
|     |                   |          | 23845-1 | \$         | 39PAR38/IRC+/FL25   | 120 | 12 | Flood 25°      | C, CC-8 | 5% | 4400 | 2500   | 680  | 4.0 | \$4.70  | 2800 |
| 50  | PAR38             | Med.Skt. | 14505-2 | \$ © (104) | 50PAR38/IRC+/SP10   | 120 | 12 | Spot 10°       | C, CC-8 | 5% | 4400 | 15,500 | 950  | 4.0 | \$6.02  | 2760 |
|     | Dioptic Reflector |          | 14506-0 | \$ © (104) | 50PAR38/IRC+/FL25   | 120 | 12 | Flood 25°      | C, CC-8 | 5% | 4400 | 4000   | 950  | 4.0 | \$6.02  | 2760 |
| 55  | PAR38             | Med.Skt. | 23847-7 | \$ © (104) | 55PAR38/IRC+/SP10   | 120 | 12 | Spot 10°       | C, CC-8 | 5% | 4400 | 16,500 | 1100 | 4.0 | \$6.62  | 2700 |
|     |                   |          | 23865-9 | \$ © (104) | 55PAR38/IRC+/FL25   | 120 | 12 | Flood 25°      | C, CC-8 | 5% | 4400 | 4100   | 1100 | 4.0 | \$6.62  | 2700 |
|     |                   |          | 23849-3 | \$ © (104) | 55PAR38/IRC+/WFL40  | 120 | 12 | Wide Flood 40° | C, CC-8 | 5% | 4400 | 1800   | 1100 | 4.0 | \$6.62  | 2700 |
| 70  | PAR38             | Med.Skt. | 13861-0 | \$ © (104) | 70PAR38/IRC+/SP10   | 120 | 12 | Spot 10°       | C, CC-8 | 5% | 4400 | 17,800 | 1500 | 4.0 | \$8.43  | 2860 |
|     |                   |          | 13862-8 | \$ © (104) | 70PAR38/IRC+/FL25   | 120 | 12 | Flood 25°      | C, CC-8 | 5% | 4400 | 6170   | 1500 | 4.0 | \$8.43  | 2860 |
|     |                   |          | 13863-6 | \$ © (104) | 70PAR38/IRC+/WFL40  | 120 | 12 | Wide Flood 40° | C, CC-8 | 5% | 4400 | 2320   | 1500 | 4.0 | \$8.43  | 2860 |
| 83  | PAR38             | Med.Skt. | 23850-1 | \$ © (104) | 83PAR38/IRC+/SP10   | 120 | 12 | Spot 10°       | C, CC-8 | 5% | 4400 | 25,000 | 1750 | 4.0 | \$10.00 | 2730 |
|     | Dioptic Reflector |          | 23851-9 | \$ © (104) | 83PAR38/IRC+/FL25   | 120 | 12 | Flood 25°      | C, CC-8 | 5% | 4400 | 7000   | 1750 | 4.0 | \$10.00 | 2730 |
|     |                   |          | 23852-7 | \$ © (104) | 83PAR38/IRC+/WFL40  | 120 | 12 | Wide Flood 40° | C, CC-8 | 5% | 4400 | 3000   | 1750 | 4.0 | \$10.00 | 2730 |
| 100 | PAR38             | Med.Skt. | 13876-8 | \$ © (104) | 100PAR38/IRC+/SP10  | 120 | 12 | Spot 10°       | C, CC-8 | 5% | 4400 | 26,400 | 2150 | 4.0 | \$12.05 | 2830 |
|     | Dioptic Reflector |          | 13877-6 | \$ © (104) | 100PAR38/IRC+/FL25  | 120 | 12 | Flood 25°      | C, CC-8 | 5% | 4400 | 8500   | 2150 | 4.0 | \$12.05 | 2830 |
|     |                   |          | 13878-4 | \$ © (104) | 100PAR38/IRC+/WFL40 | 120 | 12 | Wide Flood 40° | C, CC-8 | 5% | 4400 | 3500   | 2150 | 4.0 | \$12.05 | 2830 |

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# Halogen Lamps

## Energy Advantage and Mini Reflector Lamps

| Watts                                                            | Bulb  | Base     | Product Number | Symbols, Footnotes | Ordering Code     | Volts | Pkg. Qty.‡ | Description | Class Filament | MOL (In.) | Rated Avg. Life (Hrs.)(93) | Approx. MBCP* | Lumens                  | Life Years (446) | Energy Cost (445) | Color Temp. (K) |
|------------------------------------------------------------------|-------|----------|----------------|--------------------|-------------------|-------|------------|-------------|----------------|-----------|----------------------------|---------------|-------------------------|------------------|-------------------|-----------------|
| <b>Energy Advantage IR Economy (IRCE) Halogen PAR38 (82, 86)</b> |       |          |                |                    |                   |       |            |             |                |           |                            |               | <b>FTC REQUIREMENTS</b> |                  |                   |                 |
| 40                                                               | PAR38 | Med.Skt. | 42673-4        | \$ Ⓣ † (104)       | 40PAR38/IRCE/SP10 | 120   | 12         | Spot 10°    | C, CC-8        | 5%        | 3000                       | 9000          | 640                     | 2.7              | \$4.82            | 2700            |
|                                                                  |       |          | 42674-2        | \$ Ⓣ † (104)       | 40PAR38/IRCE/FL25 | 120   | 12         | Flood 25°   | C, CC-8        | 5%        | 3000                       | 2300          | 640                     | 2.7              | \$4.82            | 2700            |
| 50                                                               | PAR38 | Med.Skt. | 23733-9        | \$ Ⓣ † (104)       | 50PAR38/IRCE/SP10 | 120   | 12         | Spot 10°    | C, CC-8        | 5%        | 3000                       | 11,000        | 850                     | 2.7              | \$6.02            | 2700            |
|                                                                  |       |          | 23734-7        | \$ Ⓣ † (104)       | 50PAR38/IRCE/FL25 | 120   | 12         | Flood 25°   | C, CC-8        | 5%        | 3000                       | 3000          | 850                     | 2.7              | \$6.02            | 2700            |
| 60                                                               | PAR38 | Med.Skt. | 23739-6        | \$ Ⓣ † (104)       | 60PAR38/IRCE/SP10 | 120   | 12         | Spot 10°    | C, CC-8        | 5%        | 3000                       | 13,500        | 1070                    | 2.7              | \$7.23            | 2750            |
|                                                                  |       |          | 23744-6        | \$ Ⓣ † (104)       | 60PAR38/IRCE/FL25 | 120   | 12         | Flood 25°   | C, CC-8        | 5%        | 3000                       | 3800          | 1070                    | 2.7              | \$7.23            | 2850            |

### Halogen MRC11 Blister-Carded (92)

|    |       |     |         |   |                    |    |    |                         |         |    |      |     |     |     |        |      |
|----|-------|-----|---------|---|--------------------|----|----|-------------------------|---------|----|------|-----|-----|-----|--------|------|
| 20 | MRC11 | GU4 | 41930-9 | † | BC20MRC11/FL30 FTD | 12 | 12 | Blister Card, Flood 30° | C, CC-8 | 1% | 2000 | 500 | 230 | 1.8 | \$2.41 | 2800 |
|----|-------|-----|---------|---|--------------------|----|----|-------------------------|---------|----|------|-----|-----|-----|--------|------|

### Halogen MRC11 (Formerly BrilliantLine Pro) (92)

|    |       |     |         |  |                      |    |    |           |         |    |      |     |     |     |        |      |
|----|-------|-----|---------|--|----------------------|----|----|-----------|---------|----|------|-----|-----|-----|--------|------|
| 20 | MRC11 | GU4 | 37822-4 |  | 20MRC11/FL30 PRO FTD | 12 | 50 | Flood 30° | C, CC-8 | 1% | 4000 | 690 | 320 | 3.7 | \$2.41 | 3100 |
|----|-------|-----|---------|--|----------------------|----|----|-----------|---------|----|------|-----|-----|-----|--------|------|

### Halogen MRC11 Landscape (92)

|    |       |     |         |   |                      |    |   |           |         |    |      |     |     |     |        |      |
|----|-------|-----|---------|---|----------------------|----|---|-----------|---------|----|------|-----|-----|-----|--------|------|
| 10 | MRC11 | GU4 | 41722-0 | † | 10MRC11/FL30/LAND/TP | 12 | 6 | Flood 30° | C, CC-8 | 1% | 2000 | 550 | 230 | 1.8 | \$1.20 | 2750 |
| 20 | MRC11 | GU4 | 15676-0 |   | 20MRC11/FL30/LAND/TP | 12 | 6 | Flood 30° | C, CC-8 | 1% | 2000 | 500 | 230 | 1.8 | \$2.41 | 2800 |

### Halogen MRC16 Display Lamps Blister-Carded (Formerly AccentLine) Dichroic Reflector With Lens (92)

|    |       |       |         |   |                    |    |    |                         |        |    |      |      |     |     |        |      |
|----|-------|-------|---------|---|--------------------|----|----|-------------------------|--------|----|------|------|-----|-----|--------|------|
| 20 | MRC16 | GU5.3 | 41931-7 | † | BC20MRC16/FL36 BAB | 12 | 12 | Blister Card, Flood 36° | C, C-8 | 1% | 3000 | 550  | 240 | 2.7 | \$2.41 | 3000 |
|    |       |       | 41568-7 | † | BC20MRC16/FL36     | 12 | 18 | Blister Card, Flood 36° | C, C-8 | 1% | 3000 | —    | 200 | 2.7 | \$2.41 | 3000 |
| 35 | MRC16 | GU5.3 | 41932-5 | † | BC35MRC16/FL36 FMW | 12 | 12 | Blister Card, Flood 36° | C, C-8 | 1% | 3000 | 1000 | 540 | 2.7 | \$4.22 | 3000 |
| 50 | MRC16 | GU5.3 | 41563-8 | † | BC50MRC16/SP10 EXT | 12 | 12 | Blister Card, Spot 10°  | C, C-8 | 1% | 3000 | 8800 | 790 | 2.7 | \$6.02 | 3000 |
|    |       |       | 41580-2 | † | BC50MRC16/SP10     | 12 | 18 | Blister Card, Spot 10°  | C, C-8 | 1% | 3000 | —    | 600 | 2.7 | \$6.02 | 2800 |
|    |       |       | 41933-3 | † | BC50MRC16/FL36 EXN | 12 | 12 | Blister Card, Flood 36° | C, C-8 | 1% | 3000 | 1600 | 850 | 2.7 | \$6.02 | 3000 |
|    |       |       | 41580-2 | † | BC50MRC16/FL       | 12 | 18 | Blister Card, Flood 36° | C, C-8 | 1% | 2000 | 1200 | 400 | 1.8 | \$6.02 | 2800 |

### Halogen MRC16 Display Lamps Blister-Carded Reflector With Lens (92)

|    |       |       |         |   |                |    |    |                         |        |    |      |   |     |     |        |      |
|----|-------|-------|---------|---|----------------|----|----|-------------------------|--------|----|------|---|-----|-----|--------|------|
| 20 | MRC16 | GU5.3 | 41568-7 | † | BC20MRC16/FL36 | 12 | 18 | Blister Card, Flood 36° | C, C-8 | 1% | 3000 | — | 200 | 2.7 | \$2.41 | 3000 |
|----|-------|-------|---------|---|----------------|----|----|-------------------------|--------|----|------|---|-----|-----|--------|------|

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# Halogen Lamps

## Mini Reflector Lamps

| Watts                                                                                                       | Bulb  | Base  | Product Number | Symbols, Footnotes | Ordering Code       | Volts | Pkg. Qty.‡ | Description             | Class Filament | MOL (In.) | Rated Avg. Life (Hrs.)(93) | Approx. MBCP* | Lumens                  | Life Years (446) | Energy Cost (445) | Color Temp. (K) |
|-------------------------------------------------------------------------------------------------------------|-------|-------|----------------|--------------------|---------------------|-------|------------|-------------------------|----------------|-----------|----------------------------|---------------|-------------------------|------------------|-------------------|-----------------|
| <b>Halogen MRC16 Landscape Lamps Blister-Carded (Formerly AccentLine) Dichroic Reflector With Lens (92)</b> |       |       |                |                    |                     |       |            |                         |                |           |                            |               | <b>FTC REQUIREMENTS</b> |                  |                   |                 |
| 20                                                                                                          | MRC16 | GU5.3 | 15677-8        |                    | BC20MRC16/FL36/LAND | 12    | 6          | Blister Card, Flood 36° | C, C-8         | 1¼        | 3000                       | —             | 240                     | 2.7              | \$2.41            | 3000            |
| 35                                                                                                          | MRC16 | GU5.3 | 15678-6        |                    | BC35MRC16/FL36/LAND | 12    | 6          | Blister Card, Flood 36° | C, C-8         | 1¼        | 3000                       | —             | 400                     | 2.7              | \$4.22            | 3000            |
| 50                                                                                                          | MRC16 | GU5.3 | 15679-4        |                    | BC50MRC16/FL36/LAND | 12    | 6          | Blister Card, Flood 36° | C, C-8         | 1¼        | 3000                       | —             | 600                     | 2.7              | \$6.02            | 3000            |

### Halogen MR (Formerly AccentLine) (91)

|    |      |       |         |  |                  |    |    |                  |        |    |      |      |     |     |        |      |
|----|------|-------|---------|--|------------------|----|----|------------------|--------|----|------|------|-----|-----|--------|------|
| 20 | MR16 | GU5.3 | 37802-6 |  | 20MR16/SP10 ESX  | 12 | 50 | Spot 10°         | C, C-8 | 1¼ | 3000 | 3400 | 240 | 2.7 | \$2.41 | 3100 |
|    |      |       | 37803-4 |  | 20MR16/FL36 BAB  | 12 | 50 | Flood 36°        | C, C-8 | 1¼ | 3000 | 550  | 240 | 2.7 | \$2.41 | 3100 |
| 35 | MR16 | GU5.3 | 14056-6 |  | 35MR16/FL36      | 12 | 50 | Flood 36°        | C, C-8 | 1¼ | 3000 | 1000 | 540 | 2.7 | \$4.22 | 3000 |
| 50 | MR16 | GU5.3 | 37804-2 |  | 50MR16/SP10 EXT  | 12 | 50 | Spot 10°         | C, C-8 | 1¼ | 3000 | 8800 | 790 | 2.7 | \$6.02 | 3100 |
|    |      |       | 37807-5 |  | 50MR16/NFL24 EXZ | 12 | 50 | Narrow Flood 24° | C, C-8 | 1¼ | 3000 | 2500 | 800 | 2.7 | \$6.02 | 3100 |
|    |      |       | 37805-9 |  | 50MR16/FL36 EXN  | 12 | 50 | Flood 36°        | C, C-8 | 1¼ | 3000 | 1600 | 850 | 2.7 | \$6.02 | 3100 |

### Halogen MR Long Life (Formerly BrilliantLine Pro and Continuum Color)

|    |       |       |              |  |                   |    |    |                  |        |    |      |        |      |     |        |      |
|----|-------|-------|--------------|--|-------------------|----|----|------------------|--------|----|------|--------|------|-----|--------|------|
| 20 | MRC16 | GU5.3 | 37814-1 (92) |  | 20MRC16/SP10 ESX  | 12 | 50 | Spot 10°         | C, C-8 | 1¼ | 6000 | 5000   | 310  | 5.5 | \$2.41 | 3100 |
|    |       |       | 37815-8 (92) |  | 20MRC16/FL36 BAB  | 12 | 50 | Flood 36°        | C, C-8 | 1¼ | 6000 | 780    | 320  | 5.5 | \$2.41 | 3100 |
| 35 | MRC16 | GU5.3 | 14054-1 (92) |  | 35MRC16/SP10      | 12 | 50 | Spot 10°         | C, C-8 | 1¼ | 6000 | 8000   | 680  | 5.5 | \$4.22 | 3100 |
|    |       |       | 14052-5 (92) |  | 35MRC16/NFL24     | 12 | 50 | Narrow Flood 24° | C, C-8 | 1¼ | 6000 | 3100   | 690  | 5.5 | \$4.22 | 3100 |
|    |       |       | 14053-3 (92) |  | 35MRC16/FL36      | 12 | 50 | Flood 36°        | C, C-8 | 1¼ | 6000 | 1500   | 710  | 5.5 | \$4.22 | 3100 |
| 50 | MRC16 | GU5.3 | 37817-4 (92) |  | 50MRC16/NFL24 EXZ | 12 | 50 | Narrow Flood 24° | C, C-8 | 1¼ | 6000 | 4400   | 960  | 5.5 | \$6.02 | 3100 |
|    |       |       | 37818-2 (92) |  | 50MRC16/FL36 EXN  | 12 | 50 | Flood 36°        | C, C-8 | 1¼ | 6000 | 2200   | 970  | 5.5 | \$6.02 | 3100 |
| 75 | MR16  | GU5.3 | 37808-3 (91) |  | 75MR16/SP10 EYF   | 12 | 50 | Spot 10°         | C, C-8 | 1¼ | 6000 | 14,000 | 1320 | 5.5 | \$9.03 | 3100 |
|    |       |       | 37809-1 (91) |  | 75MR16/FL36 EYC   | 12 | 50 | Flood 36°        | C, C-8 | 1¼ | 6000 | 2500   | 1410 | 5.5 | \$9.03 | 3100 |

### Halogen MR Energy Advantage IR (Formerly MasterLine ES IRC) (92)

|    |       |       |            |  |                       |    |    |                  |        |    |      |        |      |     |        |      |
|----|-------|-------|------------|--|-----------------------|----|----|------------------|--------|----|------|--------|------|-----|--------|------|
| 20 | MRC16 | GU5.3 | 20258-0 \$ |  | 20MRC16/IRC/ALU/SP8   | 12 | 20 | Spot 8°          | C, C-8 | 1¼ | 5000 | 6000   | 320  | 4.6 | \$2.41 | 3100 |
|    |       |       | 20259-8 \$ |  | 20MRC16/IRC/ALU/FL36  | 12 | 20 | Flood 36°        | C, C-8 | 1¼ | 5000 | 925    | 325  | 4.6 | \$2.41 | 3100 |
| 30 | MRC16 | GU5.3 | 20261-4 \$ |  | 30MRC16/IRC/ALU/NFL24 | 12 | 20 | Narrow Flood 24° | C, C-8 | 1¼ | 5000 | 3000   | 570  | 4.6 | \$3.61 | 3100 |
|    |       |       | 20262-2 \$ |  | 30MRC16/IRC/ALU/FL36  | 12 | 20 | Flood 36°        | C, C-8 | 1¼ | 5000 | 1500   | 580  | 4.6 | \$3.61 | 3100 |
| 35 | MRC16 | GU5.3 | 20263-0 \$ |  | 35MRC16/IRC/ALU/SP8   | 12 | 20 | Spot 8°          | C, C-8 | 1¼ | 5000 | 12,500 | 720  | 4.6 | \$4.22 | 3100 |
|    |       |       | 21030-2 \$ |  | 35MRC16/IRC/NFL24     | 12 | 20 | Narrow Flood 24° | C, C-8 | 1¼ | 5000 | 4400   | 780  | 4.6 | \$4.22 | 3000 |
|    |       |       | 20267-1 \$ |  | 35MRC16/IRC/ALU/NFL24 | 12 | 20 | Narrow Flood 24° | C, C-8 | 1¼ | 5000 | 4000   | 730  | 4.6 | \$4.22 | 3100 |
|    |       |       | 20268-9 \$ |  | 35MRC16/IRC/ALU/FL36  | 12 | 20 | Flood 36°        | C, C-8 | 1¼ | 5000 | 2000   | 740  | 4.6 | \$4.22 | 3000 |
|    |       |       | 20269-7 \$ |  | 35MRC16/IRC/ALU/WFL60 | 12 | 20 | Wide Flood 60°   | C, C-8 | 1¼ | 5000 | 975    | 750  | 4.6 | \$4.22 | 3100 |
| 45 | MRC16 | GU5.3 | 20271-3 \$ |  | 45MRC16/IRC/SP8       | 12 | 20 | Spot 8°          | C, C-8 | 1¼ | 5000 | 14,000 | 1030 | 4.6 | \$5.42 | 3100 |
|    |       |       | 20272-1 \$ |  | 45MRC16/IRC/NFL24     | 12 | 20 | Narrow Flood 24° | C, C-8 | 1¼ | 5000 | 5400   | 1040 | 4.6 | \$5.42 | 3100 |
|    |       |       | 20273-9 \$ |  | 45MRC16/IRC/FL36      | 12 | 20 | Flood 36°        | C, C-8 | 1¼ | 5000 | 2600   | 1050 | 4.6 | \$5.42 | 3100 |
|    |       |       | 20274-7 \$ |  | 45MRC16/IRC/WFL60     | 12 | 20 | Wide Flood 60°   | C, C-8 | 1¼ | 5000 | 1250   | 1180 | 4.6 | \$5.42 | 3100 |

For the most current product information, go to the e-catalog on [www.philips.com](http://www.philips.com)  
Halogen symbols and footnotes located on page 109



# Halogen Lamps

## Mini Reflector, ALR, ALUline PRO III, Twistline and Linear Lamps

| Watts | Bulb | Base | Product Number | Symbols, Footnotes | Ordering Code | Volts | Pkg. Qty.‡ | Description | Class Filament | MOL (In.) | Rated Avg. Life (Hrs.)(93) | Approx. MBCP* Lumens | Life Years (446) | Energy Cost (445) | Color Temp. (K) |
|-------|------|------|----------------|--------------------|---------------|-------|------------|-------------|----------------|-----------|----------------------------|----------------------|------------------|-------------------|-----------------|
|-------|------|------|----------------|--------------------|---------------|-------|------------|-------------|----------------|-----------|----------------------------|----------------------|------------------|-------------------|-----------------|

### Halogen MR Aluminum (Formerly Continuum Pro) (92)

### FTC REQUIREMENTS

|    |             |  |         |  |                 |    |    |           |        |    |      |      |     |     |        |      |
|----|-------------|--|---------|--|-----------------|----|----|-----------|--------|----|------|------|-----|-----|--------|------|
| 50 | MRC16 GU5.3 |  | 13982-4 |  | 50 MRC16/FL36/A | 12 | 50 | Flood 36° | C, C-8 | 1½ | 5000 | 2100 | 950 | 4.6 | \$6.02 | 3100 |
|----|-------------|--|---------|--|-----------------|----|----|-----------|--------|----|------|------|-----|-----|--------|------|

### Closed Aluminum Reflector (ALR) Lamps Aluminum Reflector With Lens (92)

|    |            |  |         |  |                         |    |    |                         |        |    |      |      |     |     |        |      |
|----|------------|--|---------|--|-------------------------|----|----|-------------------------|--------|----|------|------|-----|-----|--------|------|
| 20 | 37mm BA15d |  | 32840-1 |  | 20ALR12/NSP6 GBD Clear  | 12 | 50 | Clear, Narrow Spot 6°   | C, C-8 | 1½ | 2000 | 7000 | 250 | 1.8 | \$2.41 | 3000 |
|    |            |  | 34002-6 |  | 20ALR12/SP18 GBE Frost  | 12 | 50 | Frost, Spot 18°         | C, C-8 | 1½ | 2000 | 1500 | 250 | 1.8 | \$2.41 | 3000 |
|    |            |  | 34003-4 |  | 20ALR12/FL32 GBF Frost  | 12 | 50 | Frost, Flood 32°        | C, C-8 | 1½ | 2000 | 750  | 250 | 1.8 | \$2.41 | 3000 |
| 50 | 56mm B15d  |  | 34091-9 |  | 50ALR18/NFL25 GBK Frost | 12 | 50 | Frost, Narrow Flood 25° | C, C-8 | 2½ | 2000 | 2500 | 820 | 1.8 | \$6.02 | 3000 |

### ALUline PRO III

|    |                 |  |         |  |                          |    |   |           |        |    |      |        |      |     |        |      |
|----|-----------------|--|---------|--|--------------------------|----|---|-----------|--------|----|------|--------|------|-----|--------|------|
| 50 | ALU G53 Pro III |  | 13396-6 |  | ALU111MM 50W G53 12V 8D  | 12 | 6 | Spot 8°   | C, C-8 | 2¾ | 3000 | 23,000 | 950  | 2.7 | \$6.02 | 3000 |
|    |                 |  | 13397-4 |  | ALU111MM 50W G53 12V 24D | 12 | 6 | Flood 24° | C, C-8 | 2¾ | 3000 | 4000   | 950  | 2.7 | \$6.02 | 3000 |
| 75 | ALU G53 Pro III |  | 13398-2 |  | ALU111MM 75W G53 12V 8D  | 12 | 6 | Spot 8°   | C, C-8 | 2¾ | 3000 | 30,000 | 1575 | 2.7 | \$9.03 | 3000 |

### Twistline GU10 Blister-Carded (98)

|    |                |  |         |      |                         |     |   |                         |        |   |      |     |     |     |        |      |
|----|----------------|--|---------|------|-------------------------|-----|---|-------------------------|--------|---|------|-----|-----|-----|--------|------|
| 25 | Twistline GU10 |  | 41693-3 | †    | BC25TWISTLINE GU10/FL25 | 120 | 6 | Blister Card, Flood 25° | C, C-6 | 2 | 2000 | 345 | 160 | 1.8 | \$3.01 | 2700 |
| 35 | Twistline GU10 |  | 41573-7 | †    | BC35TWISTLINE GU10/FL25 | 120 | 6 | Blister Card, Flood 25° | C, C-6 | 2 | 2000 | 480 | 265 | 1.8 | \$4.22 | 2750 |
|    |                |  | 41825-1 | \$ † | BC35GU10/HES/FL         | 120 | 6 | Blister Card, Flood 25° | C, C-6 | 2 | 1500 | 800 | 410 | 1.4 | \$4.22 | 3000 |
| 50 | Twistline GU10 |  | 41579-4 | †    | BC50GU10/HAL/TL         | 120 | 6 | Blister Card, Flood 25° | C, C-6 | 2 | 2000 | 700 | 430 | 1.8 | \$6.02 | 2800 |
|    |                |  | 41574-5 | †    | BC50TWISTLINE GU10/FL25 | 120 | 6 | Blister Card, Flood 25° | C, C-6 | 2 | 2000 | 700 | 430 | 1.8 | \$6.02 | 2800 |

### Halogen Single-Ended Linear Lamps Blister-Carded (95)

|     |             |  |         |      |                |     |    |              |         |    |      |   |      |     |         |      |
|-----|-------------|--|---------|------|----------------|-----|----|--------------|---------|----|------|---|------|-----|---------|------|
| 50  | T4 Mini-Can |  | 41555-4 | †    | BC50Q/CL       | 120 | 12 | Blister Card | C, CC-8 | 2¾ | 1000 | — | 500  | 0.9 | \$6.02  | 2700 |
| 75  | T4 Mini-Can |  | 41556-2 | †    | BC75Q/CL       | 120 | 12 | Blister Card | C, CC-8 | 3  | 1000 | — | 1050 | 0.9 | \$9.03  | 2700 |
|     |             |  | 41886-3 | \$ † | BC75T4Q/HES/MC | 120 | 12 | Blister Card | C, CC-8 | 2¾ | 1500 | — | 1500 | 1.4 | \$9.03  | 3000 |
| 100 | T4 Mini-Can |  | 41633-9 | †    | BC100Q/CL ESN  | 120 | 12 | Blister Card | C, CC-8 | 2¾ | 1000 | — | 1600 | 0.9 | \$12.05 | 2700 |
| 150 | T4 Mini-Can |  | 41634-7 | †    | BC150Q/CL ETG  | 120 | 12 | Blister Card | C, CC-8 | 3  | 1000 | — | 2800 | 0.9 | \$18.07 | 2700 |

For the most current product information, go to the e-catalog on [www.philips.com](http://www.philips.com)  
Halogen symbols and footnotes located on page 109

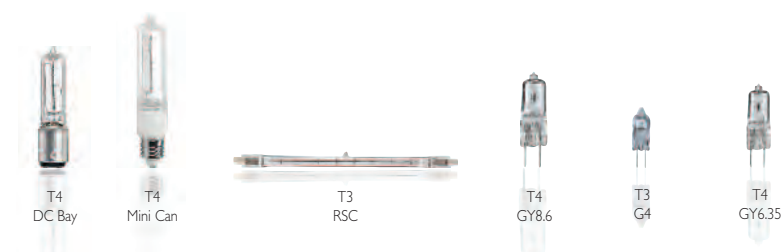


# Halogen Lamps

## Linear and Capsule Lamps

| Watts                                                         | Bulb | Base     | Product Number | Symbols, Footnotes | Ordering Code          | Volts | Pkg. Qty.† | Description  | Class Filament | MOL (In.) | Rated Avg. Life (Hrs.)(93) | Approx. MBCP* | Lumens                  | Life Years (446) | Energy Cost (445) | Color Temp. (K) |
|---------------------------------------------------------------|------|----------|----------------|--------------------|------------------------|-------|------------|--------------|----------------|-----------|----------------------------|---------------|-------------------------|------------------|-------------------|-----------------|
| <b>Halogen Single-Ended Linear Lamps (95)</b>                 |      |          |                |                    |                        |       |            |              |                |           |                            |               | <b>FTC REQUIREMENTS</b> |                  |                   |                 |
| 100                                                           | T4   | D.C. Bay | 44278-0        |                    | I00Q/CL/DC ESR         | 120   | 12         | Clear        | C, CC-8        | 2½        | 1000                       | —             | 1600                    | 0.9              | \$12.05           | 2700            |
| 150                                                           | T4   | Mini-Can | 20049-3        |                    | I50Q/CL                | 130   | 12         | Clear        | C, CC-8        | 3         | 1000                       | —             | 2800                    | 0.9              | \$18.07           | 2700            |
| 250                                                           | T4   | Mini-Can | 14668-8        |                    | 250Q/CL EHT            | 120   | 12         | Clear        | C, CC-8        | 3½        | 1000                       | —             | 5000                    | 0.9              | \$30.11           | 2850            |
|                                                               |      |          | 14667-0        |                    | 250Q/CL                | 130   | 12         | Clear        | C, CC-8        | 3½        | 1000                       | —             | 5000                    | 0.9              | \$30.11           | 2850            |
| <b>Halogen Double-Ended Linear Lamp Blister-Carded (99)</b>   |      |          |                |                    |                        |       |            |              |                |           |                            |               |                         |                  |                   |                 |
| 100                                                           | T3   | RSC      | 41560-4        | †                  | BC100T3Q/CL            | 120   | 12         | Blister Card | C, C-8         | 3½        | 2000                       | —             | 1600                    | 1.8              | \$12.05           | 2900            |
| 150                                                           | T3   | RSC      | 41561-2        | †                  | BC150T3Q/CL            | 120   | 12         | Blister Card | C, C-8         | 3½        | 2000                       | —             | 2400                    | 1.8              | \$18.07           | 2900            |
|                                                               |      |          | 41575-2        | †                  | BC150T3Q/CL LONG       | 120   | 12         | Blister Card | C, C-8         | 4%        | 1500                       | —             | 2400                    | 1.4              | \$18.07           | 2900            |
|                                                               |      |          | 41885-5        | \$ †               | BC150T3Q/HES/CL        | 120   | 6          | Blister Card | C, C-8         | 4%        | 1500                       | —             | 2850                    | 1.4              | \$18.07           | 3000            |
| 300                                                           | T3   | RSC      | 20355-4        |                    | BC300T3Q/CL            | 120   | 12         | Blister Card | C, C-8         | 4%        | 2000                       | —             | 5200                    | 1.8              | \$36.14           | 2900            |
|                                                               |      |          | 41571-1        | †                  | BC300T3Q/CL/TP         | 120   | 12         | Blister Card | C, C-8         | 4%        | 2000                       | —             | 5200                    | 1.8              | \$36.14           | 2900            |
| 500                                                           | T3   | RSC      | 41572-9        | †                  | BC500T3Q/CL/TP         | 120   | 12         | Blister Card | C, C-8         | 4%        | 2000                       | —             | 9500                    | 1.8              | \$60.23           | 2900            |
| <b>Halogen Double-Ended Linear Lamp (99)</b>                  |      |          |                |                    |                        |       |            |              |                |           |                            |               |                         |                  |                   |                 |
| 300                                                           | T3   | RSC      | 39282-9        |                    | 300T3Q/CL EHM          | 120   | 12         | Clear        | C, C-8         | 4%        | 2000                       | —             | 5200                    | 1.8              | \$36.14           | 2900            |
| 500                                                           | T3   | RSC      | 13223-3        |                    | 500T3Q/CL              | 125   | 12         | Clear        | C, C-8         | 4%        | 2000                       | —             | 9200                    | 1.8              | \$60.23           | 2850            |
|                                                               |      |          | 20010-5        |                    | 500T3Q/CL FCL          | 120   | 12         | Clear        | C, C-8         | 4%        | 2000                       | —             | 9500                    | 1.8              | \$60.23           | 2900            |
| 1000                                                          | T3   | RSC      | 41972-1        | †                  | I000T3Q/CL             | 240   | 12         | Clear        | C, C-8         | 7½        | 2000                       | —             | 21,500                  | 1.8              | \$120.45          | 2,950           |
| 1500                                                          | T3   | RSC      | 41996-9        | †                  | I500T3Q/CL             | 277   | 12         | Clear        | C, C-8         | 10        | 2000                       | —             | 33,000                  | 1.8              | \$180.68          | 2,950           |
| <b>Halogen Mains-Voltage Capsule Lamp Blister-Carded (95)</b> |      |          |                |                    |                        |       |            |              |                |           |                            |               |                         |                  |                   |                 |
| 35                                                            | T4   | GY8.6    | 41632-1        | †                  | BC35W/T4/120V/CAPSULE  | 120   | 12         | Blister Card | C, CC2V        | 1½        | 2500                       | —             | 400                     | 2.3              | \$4.22            | 3000            |
| 50                                                            | T4   | GY8.6    | 41631-3        | †                  | BC50W/T4/120V/CAPSULE  | 120   | 12         | Blister Card | C, C-8         | 2¼        | 2500                       | —             | 600                     | 2.3              | \$6.02            | 3000            |
| 75                                                            | T4   | GY8.6    | 41667-7        | †                  | BC75W/T4/120V/CAPSULE  | 120   | 12         | Blister Card | C, C-8         | 2¼        | 2000                       | —             | 1200                    | 1.8              | \$9.03            | 3000            |
|                                                               |      |          | 41870-7        | \$ †               | BC75T4Q/HES/CAP        | 120   | 12         | Blister Card | C, C-8         | 2¼        | 1500                       | —             | 1550                    | 1.4              | \$9.03            | 3000            |
| 100                                                           | T4   | GY8.6    | 41668-5        | †                  | BC100W/T4/120V/CAPSULE | 120   | 12         | Blister Card | C, C-8         | 2¼        | 2500                       | —             | 1650                    | 2.3              | \$12.05           | 3000            |
| <b>Halogen Low-Voltage Capsule Lamp Blister-Carded (95)</b>   |      |          |                |                    |                        |       |            |              |                |           |                            |               |                         |                  |                   |                 |
| 10                                                            | T3   | G4       | 41567-9        | †                  | BC10W/T3/12V           | 12    | 12         | Blister Card | C, C-8         | 1¼        | 2000                       | —             | 100                     | 1.8              | \$1.20            | 3000            |
| 20                                                            | T3   | G4       | 41566-1        | †                  | BC20W/T3/12V           | 12    | 12         | Blister Card | C, C-8         | 1¼        | 2000                       | —             | 250                     | 1.8              | \$2.41            | 3000            |
| 30                                                            | T4   | GY6.35   | 41882-2        | \$ †               | BC30T4/HES/12V         | 12    | 12         | Blister Card | C, C-8         | 1½        | 4000                       | —             | 750                     | 3.7              | \$3.61            | 3000            |
| 50                                                            | T4   | GY6.35   | 41559-6        | †                  | BC50W/T4/12V           | 12    | 12         | Blister Card | C, C-8         | 1½        | 2000                       | —             | 700                     | 1.8              | \$6.02            | 3000            |
| 75                                                            | T4   | GY6.35   | 41558-8        | †                  | BC75W/T4/12V           | 12    | 12         | Blister Card | C, C-8         | 1½        | 2000                       | —             | 1100                    | 1.8              | \$9.03            | 2800            |

For the most current product information, go to the e-catalog on [www.philips.com](http://www.philips.com)  
Halogen symbols and footnotes located on page 109



# Halogen Lamps

## Capsule Lamps

| Watts | Bulb | Base | Product Number | Symbols, Footnotes | Ordering Code | Volts | Pkg. Qty.‡ | Description | Class Filament | MOL (In.) | Rated Avg. Life (Hrs.)(93) | Approx. MBCP* | Lumens | Life Years (446) | Energy Cost (445) | Color Temp. (K) |
|-------|------|------|----------------|--------------------|---------------|-------|------------|-------------|----------------|-----------|----------------------------|---------------|--------|------------------|-------------------|-----------------|
|-------|------|------|----------------|--------------------|---------------|-------|------------|-------------|----------------|-----------|----------------------------|---------------|--------|------------------|-------------------|-----------------|

### Halogen Low-Voltage Landscape Capsule Lamp Blister-Carded (95)

### FTC REQUIREMENTS

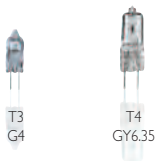
|    |    |        |         |   |                  |    |    |              |        |    |      |   |     |     |        |      |
|----|----|--------|---------|---|------------------|----|----|--------------|--------|----|------|---|-----|-----|--------|------|
| 10 | T3 | G4     | 41567-9 | † | BC10W/T3/LAND/TP | 12 | 12 | Blister Card | C, C-8 | 1¼ | 2000 | — | 100 | 1.8 | \$1.20 | 3000 |
| 20 | T3 | G4     | 41720-4 | † | BC20W/T3/LAND/TP | 12 | 12 | Blister Card | C, C-8 | 1¼ | 2000 | — | 250 | 1.8 | \$2.41 | 3000 |
| 50 | T4 | GY6.35 | 41710-5 | † | BC50W/T4/12V     | 12 | 48 | Blister Card | C, C-8 | 1¼ | 2000 | — | 465 | 1.8 | \$6.02 | 2800 |

### Halogen Low-Voltage Capsule Lamp

All Lamps Contain UV Block and are Low Pressure (95)

|    |    |        |         |  |            |    |     |                     |        |    |      |   |     |     |        |      |
|----|----|--------|---------|--|------------|----|-----|---------------------|--------|----|------|---|-----|-----|--------|------|
| 10 | T3 | G4     | 23262-9 |  | 10W/T3/12V | 12 | 100 | Capsule Type I 3284 | C, C-8 | 1¼ | 2000 | — | 140 | 1.8 | \$1.20 | 2850 |
| 20 | T3 | G4     | 23264-5 |  | 20W/T3/12V | 12 | 100 | Capsule Type I 3078 | C, C-8 | 1¼ | 2000 | — | 320 | 1.8 | \$2.41 | 3000 |
| 35 | T4 | GY6.35 | 29553-5 |  | 35W/T4/12V | 12 | 100 | Capsule Type I 3103 | C, C-8 | 1¼ | 2000 | — | 600 | 1.8 | \$4.22 | 3000 |
| 50 | T4 | GY6.35 | 23265-2 |  | 50W/T4/12V | 12 | 100 | Capsule Type I 3079 | C, C-8 | 1¼ | 2000 | — | 800 | 1.8 | \$6.02 | 2800 |

For the most current product information, go to the e-catalog on [www.philips.com](http://www.philips.com)  
Halogen symbols and footnotes located on page 109

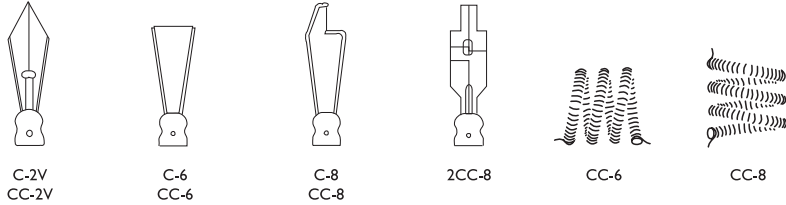


# Halogen Lamps

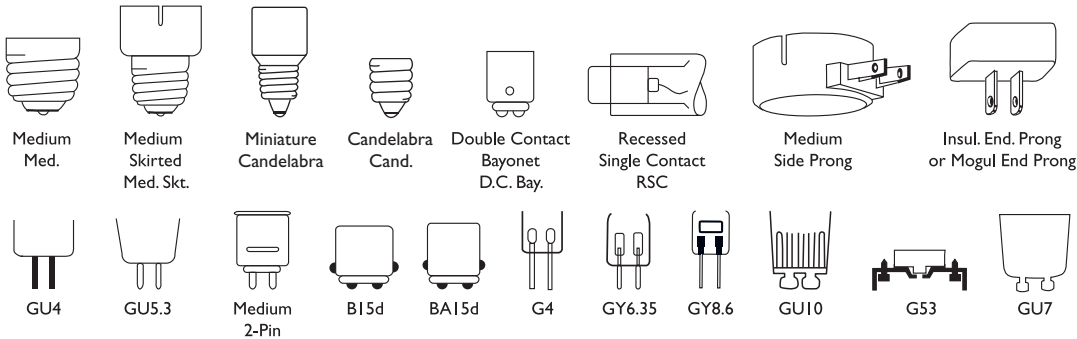
## Filament Designations, Base Types and Bulb Shapes

### Filament Designations (Not Actual Sizes)

Filament Designations consist of a letter or letters to indicate how the wire is coiled and an arbitrary number sometimes followed by a letter to indicate the arrangement of the filament on the supports. Prefix letters include C (coil) — wire is wound into a helical coil or it may be deeply fluted; CC (coiled coil) — wire is wound into a helical coil and this coiled wire again wound into a helical coil. Some of the more commonly used types of filament arrangements are illustrated.



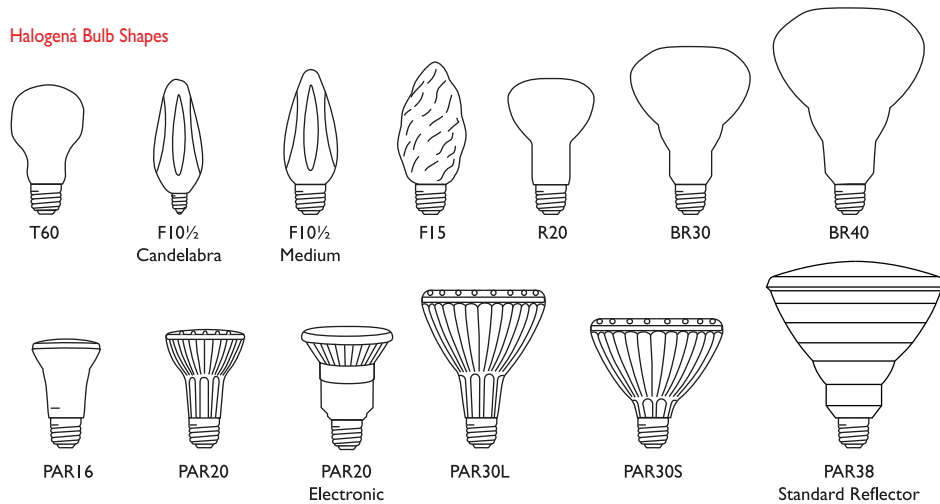
### Base Types (Not Actual Sizes)



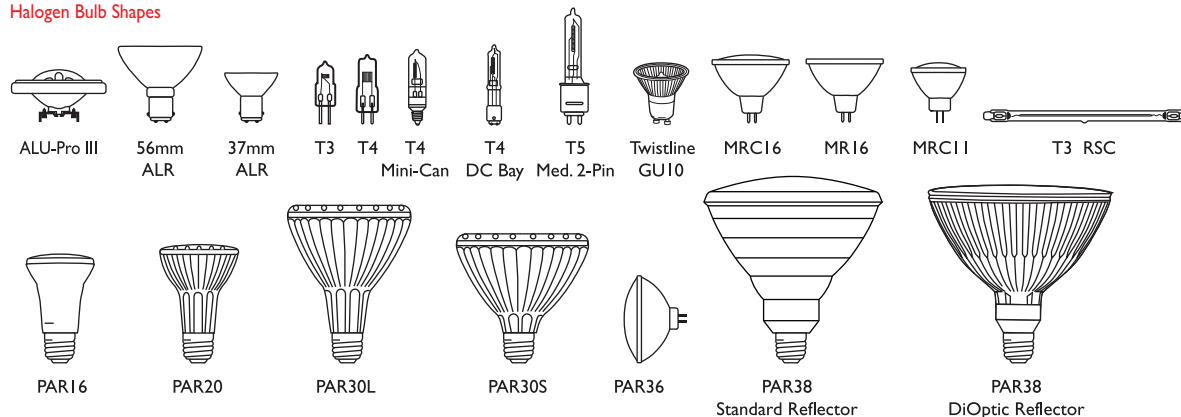
### Bulb Shapes (Not Actual Sizes)

The size and shape of a bulb is designated by a letter or letters followed by a number. The letter indicates the shape of the bulb while the number indicates the diameter of the bulb in eighths of an inch. For example, "T10" indicates a tubular shaped bulb having a diameter of  $\frac{1}{8}$  or  $1\frac{1}{4}$  inches. The following illustrations show some of the more popular bulb shapes and sizes.

#### Halogen Bulb Shapes



#### Halogen Bulb Shapes



# Halogen Lamps

## Symbols and Footnotes

For the most current product information, go to the e-catalog on [www.philips.com](http://www.philips.com)

□ Exclusive to Philips Lighting Company

Ⓢ Energy Saving Product

◆ Maximum Beam Candlepower

© This Bulb Meets US Federal Minimum Efficiency Standards

† New since last printing

\* Two Lamp Carded Pack

‡ Quantity shown is minimum shipping container—refer to Net Price Schedule for number of lamps to qualify as a standard case

**(82) CAUTION:** To avoid deterioration of lampholder by heat, use only heat resistant lampholders or fixtures listed by a nationally recognized electrical testing organization for use with reflector or PAR lamps.

**(86) PAR Halogen Caution Notice:** Before using bulb, see operating instructions on inside flap. Adherence to the operating instructions will reduce the risk of personal injury or fire. The filament capsule contained inside this glass bulb is pressurized, operates at high temperature and could unexpectedly shatter. Should the outer bulb break, particles of extremely hot glass could be discharged into the fixture and/or the surrounding environment, thereby creating a risk of personal injury or fire.

**Operating Instructions:** Before replacing, turn off power and let lamp cool to avoid electrical shock or burn.

- For indoor or outdoor use. A weather-protected fixture is recommended for wet locations.
- Suitable for use in open fixtures.
- Do not exceed the maximum wattage rating of the fixture.
- Do not use if outer glass is scratched or broken since it may break during operation or removal.
- If outer glass breaks the lamp may continue to light, however, immediately discontinue use.
- Due to the heat that radiates from the bulb, do not use in close proximity to combustible materials or objects susceptible to drying or fading.
- Manage in accord with disposal laws.

**(88) OPERATING INSTRUCTIONS:** Before replacing, turn off power and let lamp cool to avoid electrical shock or burn. Do not allow hot bulb to come in contact with liquid or metal parts of the fixture as glass may shatter. Suitable for use in open fixtures. Do not exceed the maximum wattage rating of the fixture. Do not use if outer glass is scratched or broken since it may break during operation or removal. If outer glass breaks the lamp may continue to light, however, immediately discontinue use. Due to the heat that radiates from the bulb, do not use in close proximity to combustible materials or objects susceptible to drying or fading. Manage in accord with disposal laws.

**CAUTION:** Before using bulb, see operating instructions. Adherence to the operating instructions will reduce the risk of personal injury or fire. The filament capsule contained inside this glass bulb is pressurized, operates at high temperature and could unexpectedly shatter. Should the outer bulb break, particles of extremely hot glass could be discharged into the fixture and/or the surrounding environment, thereby creating a risk of personal injury or fire.

**(91) CAUTION:** Do not touch inner capsule with bare hands. Fingerprints may result in shorter life. Remove fingerprints with alcohol. **THIS LAMP IS PRESSURIZED AND COULD SHATTER** so to avoid injury and to avoid exposure to ultraviolet radiation, use only in fixtures that provide a protective shield of tempered glass. Provide adequate ventilation to ensure that seal temperature does not exceed 350°C and use only in fixtures rated for the wattage stated on this package. To avoid risks of burns or other injury, turn power off and allow lamp to fully cool before attempting to replace. Socket condition may affect lamp life. Inspect and replace socket if deterioration has occurred.

**(92) CAUTION: THIS LAMP IS PRESSURIZED AND COULD SHATTER.** Should the outer bulb break, particles of extremely hot glass could be discharged into the fixture and/or the surrounding environment, thereby creating a risk of personal injury or fire. Provide adequate ventilation to ensure that seal temperature does not exceed 350°C and use only in fixtures rated for the wattage stated on this package. To avoid risks of burns or other injury, turn power off and allow lamp to fully cool before attempting to replace. Socket condition may affect lamp life. Inspect and replace socket if deterioration has occurred.

**(93)** Rated average life is the length of operation (in hours) at which point an average of 50% of the lamps will still be operational and 50% will not.

**(95) NOTICE:** Do not touch bulb with bare hands. Fingerprints may result in shorter life. Remove fingerprints with alcohol.

**CAUTION: THIS LAMP IS PRESSURIZED AND COULD SHATTER** so to avoid injury and to avoid exposure to ultraviolet radiation, use only in fixtures that provide a protective shield of tempered glass. Provide adequate ventilation to ensure that seal temperature does not exceed 350°C and use only in fixtures rated for the wattage stated on this package. To avoid risks of

burns or other injury, turn power off and allow lamp to fully cool before attempting to replace. Socket condition may affect lamp life. Inspect and replace socket if deterioration has occurred.

**(96) Operating Instructions:** Do not use lamp in close proximity to combustible materials. If used outdoors, use in an enclosed fixture only. If used indoors, no additional shield is required. Can be operated in all positions.

**CAUTION:** Read operating instructions before use. If outer glass breaks, turn power off immediately and avoid touching any metal components. To avoid potential burn and electrical shock during lamp replacement, always turn power off and let lamp cool before replacing bulb.

**(97) Operating Instructions:** Before replacing, turn off power and let lamp cool to avoid electrical shock or burn. For indoor use only. Do not allow hot bulb to come in contact with liquid or metal parts of the fixture as glass may shatter. Do not exceed the maximum wattage rating of the fixture. Do not use if outer glass is scratched or broken since it may break during operation or removal. If outer glass breaks the lamp may continue to light, however, immediately discontinue use. Due to the heat that radiates from the bulb, do not use in close proximity to combustible materials or objects susceptible to drying or fading. Manage in accord with disposal laws.

**CAUTION:** Adherence to the operating instructions will reduce the risk of personal injury or fire. The filament capsule contained inside this glass bulb is pressurized, operates at high temperature and could unexpectedly shatter. Should the outer bulb break, particles of extremely hot glass could be discharged into the fixture and/or the surrounding environment, thereby creating a risk of personal injury or fire.

**(98) NOTICE:** This twistline has a GU10 base and may be used in fixtures that have either GU10 or GZ10 sockets.

**Operating Instructions:** Do not use in close proximity to combustible materials or objects adversely affected by drying or fading. Can be operated in all positions.

**CAUTION: THIS LAMP IS PRESSURIZED AND COULD SHATTER** so to avoid injury and to avoid exposure to ultraviolet radiation, this lamp should be used in a fixture that provides a protective shield of tempered glass. If outer glass breaks, immediately discontinue use. Always turn power off and let lamp cool before removal to avoid potential burn or electric shock.

**(99) WARNING: BULB OPERATES AT VERY HIGH TEMPERATURES AND MUST BE USED PROPERLY TO AVOID/REDUCE RISK OF FIRE.** Do not use bulbs greater than 300 watts in indoor residential fixtures. Use only in fixtures specifying this bulb type and that meet revised UL 153 standard for tungsten-halogen torchiere lamps. Bulb is pressurized and could shatter and should only be used in fixtures that provide a protective shield of tempered glass. To avoid exposure to ultraviolet radiation which could cause skin and eye irritation use only in fixtures that provide a protective shield of tempered glass.

**NOTICE:** Do not touch bulb with bare hands. Fingerprints may result in reduced performance unless they are removed with alcohol. When operating, bulb is hot. To avoid risks of burns or injury, turn power off and allow bulb to cool before replacing. Socket conditions may affect bulb life. Inspect and replace socket if deterioration has occurred. Provide adequate ventilation to ensure that seal temperature does not exceed 350°C. **TO AVOID/REDUCE RISK OF FIRE, DO NOT USE NEAR COMBUSTIBLE MATERIALS.**

**(102)** Complies with CEC-140-2008-001, Part 1 605.2 State Standards for Federally Regulated Appliances, Table K-3. For more information go to [www.energy.ca.gov/siting/title20/](http://www.energy.ca.gov/siting/title20/).

**(103)** Complies with the Energy Independence and Security Act of 2007 (Public Law 110-140), Section 321—Efficient Light Bulbs.

**(104)** Complies with the Energy Independence and Security Act of 2007 (Public Law 110-140), Section 322—Incandescent Reflector Lamp Efficiency Standards.

**(445)** Estimated energy cost is based on 3 hrs/day, 1 l g/kWh. Cost depends on rates and use.

**(446)** Life in years is based on 3 hrs/day.

# Halogen and Incandescent Replacement Guide

General Service Incandescent Lamps affected by EISA Section 321\*

| Banned by Legislation |                           | Professional and Consumer Replacement |               |
|-----------------------|---------------------------|---------------------------------------|---------------|
| Product Number        | Ordering Code             | Product Number                        | Ordering Code |
| 13254-8               | 100A/W 12/4               | 40982-1                               | 72A19/EV      |
| 13255-5               | 100A/W/TP 24/4            | 40982-1                               | 72A19/EV      |
| 13423-9               | 100G25/W/LL 12/1          | —                                     | —             |
| 13560-8               | 75A/NTL 12/4              | 22696-9                               | 53A19/EV/NTL  |
| 13561-6               | 100A/NTL 12/4             | 22699-3                               | 72A19/EV/NTL  |
| 13684-6               | 100A                      | 40982-1                               | 72A19/EV      |
| 13996-3               | 75A/CL 120/I PRO          | 41048-0                               | 72A19/EV/CL   |
| 13997-1               | 75A 120/I PRO             | 40982-1                               | 72A19/EV      |
| 13998-9               | 100A/CL 120/I PRO         | 41048-0                               | 72A19/EV/CL   |
| 13999-7               | 100A 120/I PRO            | 40982-1                               | 72A19/EV      |
| 14297-5               | 200/99IF                  | —                                     | —             |
| 14997-0               | 75A/W 12/4                | 40982-1                               | 72A19/EV      |
| 15000-3               | 75A-67A/99/EW             | 40982-1                               | 72A19/EV      |
| 15001-1               | 100A-90A/99/EV            | 40982-1                               | 72A19/EV      |
| 15002-9               | 150A-135A/99/EV           | —                                     | —             |
| 15008-6               | 100A/CL/LL 12/2           | 41048-0                               | 72A19/EV/CL   |
| 15009-4               | 150A/CL/LL 12/I TP        | —                                     | —             |
| 15129-0               | 75A/NTL/2X 12/4           | 22696-9                               | 53A19/EV/NTL  |
| 15130-8               | 100A/NTL/2X 12/4          | 22699-3                               | 72A19/EV/NTL  |
| 16739-5               | 75A/WL 24/4               | 40982-1                               | 72A19/EV      |
| 16740-3               | 100A/WL 24/4              | 40982-1                               | 72A19/EV      |
| 16801-3               | 75A/CL/LL 12/2            | 41048-0                               | 72A19/EV/CL   |
| 16844-3               | 100F20/POSTLT/CL/LL 6/I   | 42385-5                               | BC72F15/EV/CL |
| 16850-0               | 100G30/W/LL 6/I           | —                                     | —             |
| 16862-5               | 100A/WL 12/4              | 40982-1                               | 72A19/EV      |
| 16866-6               | 150A/WL 12/1              | —                                     | —             |
| 16879-9               | 75A/WL 12/4               | 40982-1                               | 72A19/EV      |
| 21386-8               | BC70BT15/HAL/W            | 40982-1                               | 72A19/EV      |
| 21443-7               | 38A/W/TP 12/4             | 40984-7                               | 43A19/EV      |
| 21444-5               | 38A/CL                    | 41050-6                               | 29A19/EV/CL   |
| 21446-0               | 38A/CL/LL 12-2 WP TP      | 41050-6                               | 29A19/EV/CL   |
| 21447-8               | 38A/WL/TP 12/4            | 40983-9                               | 29A19/EV      |
| 21452-8               | 57A/CL/LL/TP 12/2         | 41049-8                               | 43A19/EV/CL   |
| 21453-6               | 71A/W/TP 24/4             | 40982-1                               | 72A19/EV      |
| 21454-4               | 71A                       | 40982-1                               | 72A19/EV      |
| 21455-1               | 71A/CL/LL 120V 12/2 WP TP | 41048-0                               | 72A19/EV/CL   |
| 21459-3               | 95A                       | 40982-1                               | 72A19/EV      |
| 21460-1               | 95A/W 24/4                | 40982-1                               | 72A19/EV      |
| 21461-9               | 95A/WL 24/4               | 40982-1                               | 72A19/EV      |
| 21463-5               | 57A/CL                    | 40984-7                               | 43A19/EV      |
| 21466-8               | 57A                       | 40984-7                               | 43A19/EV      |
| 21469-2               | 71A                       | 40982-1                               | 72A19/EV      |
| 21470-0               | 71A/CL                    | 41048-0                               | 72A19/EV/CL   |
| 21473-4               | 95A/CL                    | 41048-0                               | 72A19/EV/CL   |
| 21474-2               | 95A                       | 40982-1                               | 72A19/EV      |
| 21497-3               | 57A 12/4                  | 40984-7                               | 43A19/EV      |
| 21498-1               | 57A/W/TP 12/4             | 40984-7                               | 43A19/EV      |
| 21499-9               | 57A/WL 12/4 TP            | 40984-7                               | 43A19/EV      |
| 21501-2               | 71A/W/TP 12/4             | 40982-1                               | 72A19/EV      |

\* EISA Section 321 refers to energy efficiency standards for general service incandescent lamps.

# Halogen and Incandescent Replacement Guide

General Service Incandescent Lamps affected by EISA Section 321\*

| Banned by Legislation |                        | Professional and Consumer Replacement |               |
|-----------------------|------------------------|---------------------------------------|---------------|
| Product Number        | Ordering Code          | Product Number                        | Ordering Code |
| 21502-0               | 71A/WL 24/4            | 40982-1                               | 72A19/EV      |
| 21503-8               | 71A/WL /TP 12/4        | 40982-1                               | 72A19/EV      |
| 21504-6               | 95A/W/TP 12/4          | 40982-1                               | 72A19/EV      |
| 21818-0               | 95A/WL 12/4            | 40982-1                               | 72A19/EV      |
| 22240-6               | 75A-67A/EW             | 40982-1                               | 72A19/EV      |
| 22241-4               | 75A-67A/EW             | 40982-1                               | 72A19/EV      |
| 22243-0               | 100A-90A/EW            | 40982-1                               | 72A19/EV      |
| 22244-8               | 100A-90A/EW            | 40982-1                               | 72A19/EV      |
| 22430-3               | 100A23                 | —                                     | —             |
| 22979-9               | 100A/99                | 40982-1                               | 72A19/EV      |
| 23415-3               | 75A 120V 24-2LP/SL W/P | 40982-1                               | 72A19/EV      |
| 24135-6               | 75A/WL                 | 40982-1                               | 72A19/EV      |
| 24927-6               | BC75BT15/HAL/W         | 40982-1                               | 72A19/EV      |
| 24931-8               | BC100BT15/HAL/W        | 40982-1                               | 72A19/EV      |
| 26836-7               | 135A25/35              | —                                     | —             |
| 27069-4               | 150A                   | —                                     | —             |
| 27083-5               | 75A 12/4               | 40982-1                               | 72A19/EV      |
| 28171-7               | 100A21                 | —                                     | —             |
| 28172-5               | 150A23                 | —                                     | —             |
| 28173-3               | 150                    | —                                     | —             |
| 28174-1               | 150PS25/99             | —                                     | —             |
| 28175-8               | 150A-135A/EW           | —                                     | —             |
| 31305-6               | 75A21                  | —                                     | —             |
| 37406-6               | 75A/99                 | 40982-1                               | 72A19/EV      |
| 37411-6               | 100A21/35              | —                                     | —             |
| 37417-3               | 150A/99                | —                                     | —             |
| 37460-3               | 100A21/99              | —                                     | —             |
| 37472-8               | 75A                    | 40982-1                               | 72A19/EV      |
| 37473-6               | 75A                    | 40982-1                               | 72A19/EV      |
| 37474-4               | 100A                   | 40982-1                               | 72A19/EV      |
| 37476-9               | 100A                   | 40982-1                               | 72A19/EV      |
| 37485-0               | 75A/W 12/4             | 40982-1                               | 72A19/EV      |
| 37486-8               | 75A/W/TP 24/4          | 40982-1                               | 72A19/EV      |
| 37525-3               | 75A/CL                 | 41048-0                               | 72A19/EV/CL   |
| 37527-9               | 100A/CL                | 41048-0                               | 72A19/EV/CL   |
| 40948-2               | 57A/W/TP               | 40984-7                               | 43A19/EV      |

\* EISA Section 321 refers to energy efficiency standards for general service incandescent lamps.



# Halogen and Incandescent Replacement Guide

Incandescent Reflector Lamps Affected by EISA Section 322 & DOE Rulemaking\*

| Banned by Legislation |                        | Professional Replacement |                     | Consumer Replacement |                    |
|-----------------------|------------------------|--------------------------|---------------------|----------------------|--------------------|
| Product #             | Ordering Code          | Product #                | Ordering Code       | Product #            | Ordering Code      |
| 13401-5               | 45PAR38/HAL/FL/LL      | 23845-1                  | 39PAR38/IRC+/FL25   | 41942-4              | 39PAR38/EV/FL25    |
| 13402-3               | 90PAR38/HAL/FL/LL      | 13862-8                  | 70PAR38/IRC+/FL25   | 41940-8              | 72PAR38/EV/FL25    |
| 13403-1               | 90PAR38/HAL/FL/LL      | 13862-8                  | 70PAR38/IRC+/FL25   | 41940-8              | 72PAR38/EV/FL25    |
| 13404-9               | 45PAR38/HAL/SP/LL      | 23844-4                  | 39PAR38/IRC+/SP10   | 41943-2              | 39PAR38/EV/SP10    |
| 13405-6               | 90PAR38/HAL/SP/LL      | 13861-0                  | 70PAR38/IRC+/SP10   | 41938-2              | 72PAR38/EV/SP10    |
| 13407-2               | 50PAR30L/HAL/FL/LL     | 23429-4                  | 50PAR30L/IRC+/FL25  | 41974-7              | 39PAR30L/EV/FL25   |
| 13408-0               | 75PAR30L/HAL/FL/LL     | 23429-4                  | 50PAR30L/IRC+/FL25  | 41954-9              | 53PAR30L/EV/FL25   |
| 13409-8               | 75PAR30L/HAL/SP/LL     | 23799-0                  | 50PAR30L/IRC+/SP10  | 41956-4              | 53PAR30L/EV/SP10   |
| 13410-6               | 50PAR20/HAL/FL/LL      | 15216-5                  | 20PAR20E/HAL/FL25   | 41986-1              | 39PAR20/EV/FL25    |
| 13411-4               | 50PAR20/HAL/SP/LL      | 15216-5                  | 20PAR20E/HAL/FL25   | 41973-9              | 39PAR20/EV/SP10    |
| 13467-6               | 75PAR30S/HAL/FL25      | 23856-8                  | 55PAR30S/IRC+/FL25  | 42143-8              | 53PAR30S/EV/FL25   |
| 13846-1               | 50PAR20/HAL/SP10       | 40494-7                  | 20PAR20E/HAL/SP10   | 41973-9              | 39PAR20/EV/SP10    |
| 13848-7               | 75PAR30L/HAL/SP10      | 23799-0                  | 50PAR30L/IRC+/SP10  | 41956-4              | 53PAR30L/EV/SP10   |
| 13849-5               | 75PAR30S/HAL/SP10      | 23855-0                  | 55PAR30S/IRC+/SP10  | 42112-3              | 53PAR30S/EV/SP10   |
| 13853-7               | 50PAR30S/IRC/HAL/SP10  | 23853-5                  | 39PAR30S/IRC+/SP10  | 42112-3              | 53PAR30S/EV/SP10   |
| 13854-5               | 50PAR30S/IRC/HAL/FL25  | 23854-3                  | 39PAR30S/IRC+/FL25  | 42143-8              | 53PAR30S/EV/FL25   |
| 13855-2               | 50PAR30S/IRC/HAL/WFL40 | 23854-3                  | 39PAR30S/IRC+/FL25  | —                    | —                  |
| 13856-0               | 45PAR38/IRC/HAL/FL25   | 23845-1                  | 39PAR38/IRC+/FL25   | 41942-4              | 39PAR38/EV/FL25    |
| 13857-8               | 45PAR38/IRC/HAL/WFL40  | 23849-3                  | 55PAR38/IRC+/WFL40  | —                    | —                  |
| 13858-6               | 55PAR38/IRC/HAL/SP10   | 14505-2                  | 50PAR38/IRC+/SP10   | 41945-7              | 53PAR38/EV/SP10    |
| 13859-4               | 55PAR38/IRC/HAL/FL25   | 14506-0                  | 50PAR38/IRC+/FL25   | 41944-0              | 53PAR38/EV/FL25    |
| 13860-2               | 55PAR38/IRC/HAL/WFL40  | 14507-8                  | 50PAR38/IRC/WFL40   | —                    | —                  |
| 13864-4               | 90PAR38/IRC/HAL/SP10   | 13861-0                  | 70PAR38/IRC+/SP10   | —                    | —                  |
| 13865-1               | 90PAR38/IRC/HAL/FL25   | 13862-8                  | 70PAR38/IRC+/FL25   | 42498-5              | 83PAR38/EV/FL25/LL |
| 13866-9               | 90PAR38/IRC/HAL/WFL40  | 13863-6                  | 70PAR38/IRC+/WFL40  | —                    | —                  |
| 13873-5               | 60PAR38/IRC/HAL/SP10   | 23847-7                  | 55PAR38/IRC+/SP10   | 41938-2              | 72PAR38/EV/SP10    |
| 13874-3               | 60PAR38/IRC/HAL/FL25   | 23865-9                  | 55PAR38/IRC+/FL25   | 41940-8              | 72PAR38/EV/FL25    |
| 13875-0               | 60PAR38/IRC/HAL/WFL40  | 23849-3                  | 55PAR38/IRC+/WFL40  | —                    | —                  |
| 13879-2               | 60PAR38/IRC/HAL/FL25   | 23865-9                  | 55PAR38/IRC+/FL25   | 41940-8              | 72PAR38/EV/FL25    |
| 13918-8               | 60PAR38/IRC/HAL/WFL40  | 23849-3                  | 55PAR38/IRC+/WFL40  | —                    | —                  |
| 13919-6               | 45PAR38/IRC/HAL/SP10   | 23844-4                  | 39PAR38/IRC+/SP10   | 41943-2              | 39PAR38/EV/SP10    |
| 13920-4               | 60PAR38/IRC/HAL/SP10   | 23847-7                  | 55PAR38/IRC+/SP10   | 41938-2              | 72PAR38/EV/SP10    |
| 14022-8               | 60PAR38/HAL/FL/LL      | 23845-1                  | 39PAR38/IRC+/FL25   | 42128-9              | 39PAR38/EV/FL25/LL |
| 14482-4               | 60PAR38/HAL/SP10       | 23844-4                  | 39PAR38/IRC+/SP10   | 41944-0              | 53PAR38/EV/FL25    |
| 14483-2               | 60PAR38/HAL/FL25       | 23845-1                  | 39PAR38/IRC+/FL25   | 41945-7              | 53PAR38/EV/SP10    |
| 14484-0               | 60PAR38/HAL/WFL40      | 23849-3                  | 55PAR38/IRC+/WFL40  | —                    | —                  |
| 14485-7               | 75PAR38/HAL/SP10       | 23847-7                  | 55PAR38/IRC+/SP10   | 41945-7              | 53PAR38/EV/SP10    |
| 14486-5               | 75PAR38/HAL/FL25       | 23865-9                  | 55PAR38/IRC+/FL25   | 41944-0              | 53PAR38/EV/FL25    |
| 14487-3               | 90PAR38/HAL/WFL40      | 13863-6                  | 70PAR38/IRC+/WFL40  | —                    | —                  |
| 14488-1               | 60PAR38/HAL/SP10       | 23844-4                  | 39PAR38/IRC+/SP10   | 41944-0              | 53PAR38/EV/FL25    |
| 14489-9               | 60PAR38/HAL/FL25       | 23845-1                  | 39PAR38/IRC+/FL25   | 41945-7              | 53PAR38/EV/SP10    |
| 14490-7               | 60PAR38/HAL/FL25       | 23845-1                  | 39PAR38/IRC+/FL25   | 41945-7              | 53PAR38/EV/SP10    |
| 14491-5               | 60PAR38/HAL/WFL40      | 23849-3                  | 55PAR38/IRC+/WFL40  | —                    | —                  |
| 14493-1               | 75PAR38/HAL/SP10       | 23847-7                  | 55PAR38/IRC+/SP10   | 41945-7              | 53PAR38/EV/SP10    |
| 14494-9               | 75PAR38/HAL/FL25       | 23865-9                  | 55PAR38/IRC+/FL25   | 41944-0              | 53PAR38/EV/FL25    |
| 14495-5               | 90PAR38/HAL/WFL40      | 13863-6                  | 70PAR38/IRC+/WFL40  | —                    | —                  |
| 14496-3               | 40PAR30S/IRC/HAL/SP10  | 23853-5                  | 39PAR30S/IRC+/SP10  | 42111-5              | 39PAR30S/EV/SP10   |
| 14497-1               | 40PAR30S/IRC/HAL/FL25  | 23854-3                  | 39PAR30S/IRC+/FL25  | 42110-7              | 39PAR30S/EV/FL25   |
| 14498-9               | 40PAR30S/IRC/HAL/WFL40 | 23854-3                  | 39PAR30S/IRC+/FL25  | 42110-7              | 39PAR30S/EV/FL25   |
| 14499-7               | 50PAR30S/IRC+/SP10     | 23853-5                  | 39PAR30S/IRC+/SP10  | 42112-3              | 53PAR30S/EV/SP10   |
| 14500-3               | 50PAR30S/IRC+/FL25     | 23854-3                  | 39PAR30S/IRC+/FL25  | 42143-8              | 53PAR30S/EV/FL25   |
| 14501-1               | 50PAR30S/IRC+/WFL40    | 23854-3                  | 39PAR30S/IRC+/FL25  | —                    | —                  |
| 14502-9               | 40PAR38/IRC/HAL/SP10   | 23844-4                  | 39PAR38/IRC+/SP10   | 41943-2              | 39PAR38/EV/SP10    |
| 14503-7               | 40PAR38/IRC/HAL/FL25   | 23845-1                  | 39PAR38/IRC+/FL25   | 41942-4              | 39PAR38/EV/FL25    |
| 14504-5               | 40PAR38/IRC/HAL/WFL40  | 23845-1                  | 39PAR38/IRC+/FL25   | 41942-4              | 39PAR38/EV/FL25    |
| 14507-8               | 50PAR38/IRC/HAL/WFL40  | 23849-3                  | 55PAR38/IRC+/WFL40  | —                    | —                  |
| 14720-7               | 75PAR38/NLP/FL         | 23865-9                  | 55PAR38/IRC+/FL25   | 41944-0              | 53PAR38/EV/FL25    |
| 14989-8               | 60PAR30S/IRC/HAL/WFL40 | 23857-6                  | 55PAR30S/IRC+/WFL40 | —                    | —                  |
| 15004-5               | 60PAR30S/IRC/HAL/SP10  | 23855-0                  | 55PAR30S/IRC+/SP10  | 42112-3              | 53PAR30S/EV/SP10   |

\* EISA Section 322 & DOE Rulemaking refers to energy efficiency standards for incandescent reflector lamps.

# Halogen and Incandescent Replacement Guide

Incandescent Reflector Lamps affected by EISA Section 322 & DOE Rulemaking\*

| Banned by Legislation |                       | Professional Replacement |                     | Consumer Replacement |                  |
|-----------------------|-----------------------|--------------------------|---------------------|----------------------|------------------|
| Product #             | Ordering Code         | Product #                | Ordering Code       | Product #            | Ordering Code    |
| 15007-8               | 60PAR30S/IRC/HAL/FL25 | 23856-8                  | 55PAR30S/IRC+/FL25  | 42143-8              | 53PAR30S/EV/FL25 |
| 15879-0               | 60BR30/HAL/FL         | 21359-5                  | 40BR30/HEA/FL       | 42118-0              | 50BR30/EV/FL     |
| 20231-7               | 45PAR38/HAL/FL25      | 23845-1                  | 39PAR38/IRC+/FL25   | 41942-4              | 39PAR38/EV/FL25  |
| 20234-1               | 90PAR38/HAL/FL25      | 13862-8                  | 70PAR38/IRC+/FL25   | 41940-8              | 72PAR38/EV/FL25  |
| 20257-2               | 60BR30/HAL/NLP/FL     | —                        | —                   | —                    | —                |
| 20573-2               | 60BR40/HAL/NLP/FL     | —                        | —                   | —                    | —                |
| 20579-9               | 60BR30/HAL/FL/LL      | 21359-5                  | 40BR30/HEA/FL       | 42118-0              | 50BR30/EV/FL     |
| 20580-7               | 60BR40/HAL/FL/LL      | 22238-0                  | 40BR40/HEA/FL       | 42116-4              | 40BR40/EV/FL     |
| 22486-5               | 60K19/DL              | —                        | —                   | —                    | —                |
| 22906-2               | 50PAR20/HAL/SP10      | 40494-7                  | 20PAR20E/HAL/SP10   | 41973-9              | 39PAR20/EV/SP10  |
| 22911-2               | 50PAR20/HAL/FL25      | 15216-5                  | 20PAR20E/HAL/FL25   | 41986-1              | 39PAR20/EV/FL25  |
| 22921-1               | 50PAR20/HAL/FL25      | 15216-5                  | 20PAR20E/HAL/FL25   | 41986-1              | 39PAR20/EV/FL25  |
| 22922-9               | 50PAR30L/HAL/SP10     | 23799-0                  | 50PAR30L/IRC+/SP10  | 42303-8              | 39PAR30L/EV/SP10 |
| 22923-7               | 50PAR30L/HAL/WSP16    | 23799-0                  | 50PAR30L/IRC+/SP10  | 42303-8              | 39PAR30L/EV/SP10 |
| 22925-2               | 50PAR30L/HAL/FL25     | 23429-4                  | 50PAR30L/IRC+/FL25  | 41942-4              | 39PAR38/EV/FL25  |
| 22926-0               | 50PAR30L/HAL/FL25     | 23429-4                  | 50PAR30L/IRC+/FL25  | 41942-4              | 39PAR38/EV/FL25  |
| 22927-8               | 50PAR30L/HAL/WFL40    | 23800-6                  | 50PAR30L/IRC+/WFL40 | —                    | —                |
| 22928-6               | 50PAR30L/HAL/WFL40    | 23800-6                  | 50PAR30L/IRC+/WFL40 | —                    | —                |
| 22930-2               | 75PAR30L/HAL/SP10     | 23799-0                  | 50PAR30L/IRC+/SP10  | 41956-4              | 53PAR30L/EV/SP10 |
| 22934-4               | 75PAR30L/HAL/WSP16    | 23799-0                  | 50PAR30L/IRC+/SP10  | 41956-4              | 53PAR30L/EV/SP10 |
| 22941-9               | 75PAR30L/HAL/FL25     | 23429-4                  | 50PAR30L/IRC+/FL25  | 41954-9              | 53PAR30L/EV/FL25 |
| 22943-5               | 75PAR30L/HAL/FL25     | 23429-4                  | 50PAR30L/IRC+/FL25  | 41954-9              | 53PAR30L/EV/FL25 |
| 22944-3               | 75PAR30L/HAL/WFL40    | 23800-6                  | 50PAR30L/IRC+/WFL40 | —                    | —                |
| 22945-0               | 75PAR30L/HAL/WFL40    | 23800-6                  | 50PAR30L/IRC+/WFL40 | —                    | —                |
| 22946-8               | 45PAR38/HAL/SP10      | 23844-4                  | 39PAR38/IRC+/SP10   | 41943-2              | 39PAR38/EV/SP10  |
| 22947-6               | 45PAR38/HAL/SP10      | 23844-4                  | 39PAR38/IRC+/SP10   | 41943-2              | 39PAR38/EV/SP10  |
| 22949-2               | 45PAR38/HAL/FL25      | 23845-1                  | 39PAR38/IRC+/FL25   | 41942-4              | 39PAR38/EV/FL25  |
| 23069-8               | 90PAR38/HAL/SP10      | 13861-0                  | 70PAR38/IRC+/SP10   | 41938-2              | 72PAR38/EV/SP10  |
| 23650-5               | 90PAR38/HAL/SP10      | 13861-0                  | 70PAR38/IRC+/SP10   | 41938-2              | 72PAR38/EV/SP10  |
| 23651-3               | 90PAR38/HAL/FL25      | 13862-8                  | 70PAR38/IRC+/FL25   | 41940-8              | 72PAR38/EV/FL25  |
| 26349-1               | 50PAR30S/HAL/SP10     | 23853-5                  | 39PAR30S/IRC+/SP10  | —                    | —                |
| 26357-4               | 50PAR30S/HAL/SP10     | 23853-5                  | 39PAR30S/IRC+/SP10  | —                    | —                |
| 26358-2               | 50PAR30S/HAL/FL25     | 23854-3                  | 39PAR30S/IRC+/FL25  | —                    | —                |
| 26362-4               | 50PAR30S/HAL/FL25     | 23854-3                  | 39PAR30S/IRC+/FL25  | —                    | —                |
| 26364-0               | 50PAR30S/HAL/WFL40    | 23854-3                  | 39PAR30S/IRC+/FL25  | —                    | —                |
| 26384-8               | 50PAR30S/HAL/WFL40    | 23854-3                  | 39PAR30S/IRC+/FL25  | —                    | —                |
| 26877-1               | 90PAR38/HAL/FL        | 13862-8                  | 70PAR38/IRC+/FL25   | 41940-8              | 72PAR38/EV/FL25  |
| 26883-9               | 45PAR38/HAL/FL        | 23845-1                  | 39PAR38/IRC+/FL25   | 41942-4              | 39PAR38/EV/FL25  |
| 27429-0               | 90PAR38/HAL/FL        | 13862-8                  | 70PAR38/IRC+/FL25   | 41946-5              | 72PAR38/EV/FL25  |
| 28479-4               | 75PAR30S/HAL/SP10     | 23855-0                  | 55PAR30S/IRC+/SP10  | 42112-3              | 53PAR30S/EV/SP10 |
| 28488-5               | 75PAR30S/HAL/FL25     | 23856-8                  | 55PAR30S/IRC+/FL25  | 42143-8              | 53PAR30S/EV/FL25 |
| 28491-9               | 75PAR30S/HAL/WFL40    | 23857-6                  | 55PAR30S/IRC+/WFL40 | —                    | —                |
| 28492-7               | 75PAR30S/HAL/WFL40    | 23857-6                  | 55PAR30S/IRC+/WFL40 | —                    | —                |
| 30728-0               | 40K19/DL              | —                        | —                   | —                    | —                |
| 35751-7               | 60PAR30S/HAL/SP10     | 23855-0                  | 55PAR30S/IRC+/SP10  | 42112-3              | 53PAR30S/EV/SP10 |
| 35752-5               | 60PAR30S/HAL/SP10     | 23855-0                  | 55PAR30S/IRC+/SP10  | 42112-3              | 53PAR30S/EV/SP10 |
| 35753-3               | 60PAR30S/HAL/FL25     | 23856-8                  | 55PAR30S/IRC+/FL25  | 42143-8              | 53PAR30S/EV/FL25 |
| 35758-2               | 60PAR30S/HAL/WFL40    | 23857-6                  | 55PAR30S/IRC+/WFL40 | —                    | —                |
| 35762-4               | 60PAR30S/HAL/WFL40    | 23857-6                  | 55PAR30S/IRC+/WFL40 | —                    | —                |
| 35788-9               | 60PAR30S/HAL/FL25     | 23856-8                  | 55PAR30S/IRC+/FL25  | 42143-8              | 53PAR30S/EV/FL25 |
| 38849-6               | 60BR30/HAL/FL         | 21359-5                  | 40BR30/HEA/FL       | 42118-0              | 50BR30/EV/FL     |
| 38875-1               | 60BR30/HAL/SP         | —                        | —                   | —                    | —                |
| 38884-3               | 60PAR38/HAL/2FL       | —                        | —                   | —                    | —                |
| 38886-8               | 90PAR38/HAL/2FL       | —                        | —                   | —                    | —                |
| 38887-6               | 60PAR38/HAL/3FL       | 38890-0                  | 90PAR38/HAL/3FL     | —                    | —                |
| 38925-4               | 90PAR38/HAL/FL        | 13862-8                  | 70PAR38/IRC+/FL25   | 41941-6              | 72PAR38/EV/FL25  |
| 39174-8               | 60BR40/HAL/FL         | 22238-0                  | 40BR40/HEA/FL       | 42116-4              | 40BR40/EV/FL     |

\* EISA Section 322 & DOE Rulemaking refers to energy efficiency standards for incandescent reflector lamps.