

Banned ED and BT HID Lamps - Product Replacement Suggestions

|                            |              |                |                |                  |                   |                   |                  |                     |                       |                     | Replacement Options   |  |
|----------------------------|--------------|----------------|----------------|------------------|-------------------|-------------------|------------------|---------------------|-----------------------|---------------------|---|--|
| Banned States              | Shape        | Length         | Base           | CRI              | Watt              | Color Temp        | Halco            | Current (GE)        | Signify (Philips)     | LEDVANCE (Sylvania) | LED Fixture   |  |
| CA, CO, ME, OR, RI, VT, WA | ED17         | 5.64in         | E26            | 80+              | 70W               | 3000              | CDM70/U/830/MED  | CMH70/C/U/830/MED/O | MHC70/C/U/M/3K/ALTO   | MCP70/C/U/MED/830   | Reasonable LED Fixture Substitutes Include: Linear High Bays, Round High Bays, LED Corn Cobs & Bollards - Please contact Halco Customer Care at 800-677-3334 for assistance |  |
|                            |              | 5.31in         |                |                  | 150W              | 3000              | CDM150/U/830/MED | CHM150/U/830/MED/O  | MHC150/U/MP/3K/ALTO   | MCP150/U/MED/830    |   |  |
|                            |              | 5.45in         |                | 20+              | 35W               | 2000              | LU35/MED/ECO     | LU35/MED            | C35S76/M              | LU35/MED            |   |  |
|                            |              |                |                |                  | 50W               |                   | LU50/MED/ECO     | LU50/MED            | C50S68/M              | LU50/MED            |   |  |
|                            |              |                |                |                  | 70W               |                   | LU70/MED/ECO     | LU70/MED            | C70S62/M              | LU70/MED            |   |  |
|                            |              |                |                |                  | 100W              |                   | LU100/MED/ECO    | LU100/MED           | C100S54/M             | LU100/MED           |   |  |
|                            |              |                |                |                  | 150W              |                   | LU150/MED/ECO    | LU150/MED           | C150S55/D/M           | LU150/55/MED        |   |  |
|                            |              |                |                |                  | 70W               |                   | MP70/C/U/MED/PS  | MXR70/C/U/MED/O     |                       | MP70/C/U/MED        |   |  |
|                            |              |                |                | 70+              | 100W              | MP100/C/U/MED/PS  |                  |                     |                       |                     |   |  |
|                            |              |                |                |                  | 150W              | MP150/C/U/MED/PS  | MXR150/C/U/MED/O | MP150/C/U/MED       |                       |                     |   |  |
|                            |              |                |                |                  | 70W               | MH70/C/U/MED/PS   | MXR70/C/U/MED    |                     | MP70/C/U/MED          |                     |   |  |
|                            |              |                |                |                  | 100W              | MH100/C/U/MED/PS  | MXR100/C/U/MED   |                     | MP100/C/U/MED         |                     |   |  |
|                            |              |                |                |                  | 175W              | MH175/C/U/MED     | MVR175/C/U/MED   | MH175/C/U/M         | M175/C/U/MED          |                     |   |  |
|                            |              |                |                |                  | 60+               | 50W               | MH50/U/MED/PS    | MXR50/U/MED/O       | MH50/U/M              | MP50/U/MED          |   |  |
|                            |              |                |                |                  |                   | 70W               | MH70/U/MED/PS    | MXR70/U/MED         |                       | MP70/U/MED          |   |  |
|                            |              |                |                |                  |                   | 100W              | MH100/U/MED/PS   | MXR100/U/MED        |                       | MP100/U/MED         |   |  |
|                            |              | 150W           |                | MH150/U/MED/PS   |                   | MXR150/U/MED      | MP150/U/MED      |                     |                       |                     |   |  |
|                            |              | 175W           |                | MH175/U/MED      |                   | MVR175/U/MED      | MH175/U/M        | M175/U/MED          |                       |                     |   |  |
|                            |              | 175W           |                | MH175/BU/MED/PS  |                   | MVR175/VBU/MED/PA | MS175/BU/PS      | MS175/PS/BU         |                       |                     |   |  |
|                            |              | 50W            |                | MP50/U/MED/PS    |                   | MXR50/U/MED/O     |                  | MP50/U/MED          |                       |                     |   |  |
|                            | 70W          | MP70/U/MED/PS  |                |                  |                   |                   |                  |                     |                       |                     |   |  |
|                            | 100W         | MP100/U/MED/PS | MXR100/U/MED/O |                  |                   | MP100/U/MED       |                  |                     |                       |                     |   |  |
|                            | 150W         | MP150/U/MED/PS | MXR150/U/MED/O |                  |                   | MP150/U/MED       |                  |                     |                       |                     |   |  |
|                            | 200W         | MP175/U/MED    |                |                  | MP175/BU-ONLY/MED |                   |                  |                     |                       |                     |   |  |
|                            | 100W         | LU100MED/M     |                |                  |                   |                   |                  |                     |                       |                     |   |  |
|                            | ED18         | 9.75in         | E39            | 60+              | 400W              | 4000              | MH400/HBU/ED18   |                     |                       |                     |   |  |
|                            |              |                |                | 20+              | 250W              | 2000              | LU250/ECO        | LU250/D             | C200S50/ALTO          | LU250/D             |   |  |
|                            | 400W         | LU400/ECO      | LU400/D        |                  | C400S51/D/ALTO    |                   | LU400/D          |                     |                       |                     |   |  |
|                            | ED23.5       | 7.75in         | E39            | 20+              |                   | 2000              | LU50/ECO         | LU50                | C50S68/ALTO           | LU50/ECO            |   |  |
|                            |              |                |                |                  |                   |                   | LU70/ECO         | LU70                | C70S62/ALTO           | LU70/D              |   |  |
|                            |              |                |                |                  |                   |                   | LU100/ECO        | LU100/D             | C100S54/ALTO          | LU100/D             |   |  |
|                            |              |                |                |                  |                   |                   | LU150/ECO        | LU150/55/D          | C150S55/M             | LU150/55/D          |   |  |
|                            | ED25         | 15.08in        | E39            | 20+              | 1000W             | 2000              | LU1000/ECO       | LU1000              | C1000S52/ALTO         | LU1000              |   |  |
|                            | ED28         | 8.25in         | E39            | 70+              | 250W              | 2700              | MH250/C/U        | MVR250/C/U          | MS250/C/U             | M250/C/U            |   |  |
|                            |              |                |                |                  | 175W              | 3700              | MH175/C/U        | MVR175/C/U          | MH175/C/U             | M175/C/U            |   |  |
|                            |              |                |                |                  | 400W              |                   | MH400/C/U/ED28   | MVR400/C/U/ED28     | MH400/U/ED28          | M400/C/U/BT28       |   |  |
|                            |              |                |                | 60+              | 100W              | 4000              | MH100/U/MOG/PS   |                     |                       |                     |   |  |
|                            |              |                |                |                  | 150W              |                   | MH150/U/PS       |                     |                       |                     |   |  |
|                            |              |                |                |                  | 175W              |                   | MH175/U          | MVR175/U            | MH175/U               | M175/U              |   |  |
|                            |              |                |                |                  | 175W              |                   | MH175/BU/PS      | MVR175/VBU/PA       | MS175/BU/PS           | MS175/PS/BU-ONLY    |   |  |
| 175W                       |              |                |                |                  | MH175/HBU/PS      |                   | MVR175/VBU/PA    |                     |                       |                     |   |  |
| 200W                       |              |                |                |                  | MH200/BU/PS       |                   |                  |                     | MS200/PS/BU-ONLY/BT28 |                     |   |  |
| 200W                       |              |                |                |                  | MH250/U           |                   | MVR250/U         | MH250/U             | M250/U                |                     |   |  |
| 250W                       |              |                |                |                  | MH250/U/CSTF      |                   |                  |                     |                       |                     |   |  |
| 250W                       |              |                |                |                  | MH250/BU/PS       |                   | MVR250/VBU/PA    | MS250/BU/PS         | MP250/PS/BU-ONLY      |                     |   |  |
| 250W                       | MH250/HBU/PS | MVR250/VBU/PA  | MS250/BU/PS    | MP250/PS/BU-ONLY |                   |                   |                  |                     |                       |                     |   |  |

Banned ED and BT HID Lamps - Product Replacement Suggestions

|                            |        |        |            |              |              |             |                 |                    |                    |                           | Replacement Options   |                   |
|----------------------------|--------|--------|------------|--------------|--------------|-------------|-----------------|--------------------|--------------------|---------------------------|---|-------------------|
| Banned States              | Shape  | Length | Base       | CRI          | Watt         | Color Temp  | Halco           | Current (GE)       | Signify (Philips)  | LEDVANCE (Sylvania)       | LED Fixture   |                   |
| CA, CO, ME, OR, RI, VT, WA | ED28   | 8.25in | E39        | 60+          | 320W         | 4000        | MH320/BU/PS     | MVR320/VBU/XHO/PS  | MS320/U/PS         | MP320/350/PS/BU-ONLY/BT28 | Reasonable LED Fixture Substitutes Include: Linear High Bays, Round High Bays, LED Corn Cobs & Bollards - Please contact Halco Customer Care at 800-677-3334 for assistance |                   |
|                            |        |        |            |              | 400W         |             | MH320/HBU/PS    | MVR320/HOR/PA      | MS320/PS/U         | M320/PS/BU-HOR            |   |                   |
|                            |        |        |            |              |              |             | MH400/U/ED28    | MVR400/U/ED28      | MH400/U/ED28       | M400/U/BT28               |   |                   |
|                            |        |        |            |              |              |             | MH400/U/ED28/PS | MVR400/HOR/ED28/PA |                    | M400/PS/U/BT28            |   |                   |
|                            |        |        | EX39       | 60+          | 175W         | 4000        | MP175/BU        | MPR175/VBU/O       | MP175/BU           | MP175/BU-ONLY             |   |                   |
|                            |        |        |            |              | 200W         |             | MP200/BU/PS     |                    |                    | MP250/PS/BU-ONLY          |   |                   |
|                            |        |        |            |              | 250W         |             | MP250/BU/PS     |                    |                    | MP250/PS/BU-ONLY          |   |                   |
|                            |        |        |            | 70+          | 3700         | MP250/BU    | MPR250/VBU/O    | MP250/BU           | MP250/BU-ONLY      |                           |   |                   |
|                            |        |        |            |              | 60+          | 3700        | MP250/C/BU/PS   |                    |                    | MP250/C/PS/BU-ONLY        |   |                   |
|                            |        |        |            |              | 320W         | 4000        | MP320/BU/PS     | MPR320/VBU/XHO/PA  | MP320/BU/PS        | MP320/350/PS/BU-ONLY/BT28 |   |                   |
|                            | ED37   | 11.5in | E39        | 60+          | 350W         | 4000        | MH350/BU/PS     | MVR350/VBU/XHO/PA  | MS350/BU/PS        | MP350/400/PS/BU-ONLY      |   |                   |
|                            |        |        |            |              | 360W         |             | MH360/BU/ES     | MVR360/VBU/WM/HO   |                    |                           |   |                   |
|                            |        |        |            |              | 400W         |             | MH400/U/CSTF    |                    |                    |                           |   |                   |
|                            |        |        |            |              |              |             | MH400/U/PS      | MVR400/HOR/PA      | MS400/HOR/PS       | M400/PS/U                 |   |                   |
|                            |        |        |            |              |              |             | MH400/BU/PS     | MVR400/VBU/HO/PA   | MS400/BU/PS        | MS400/PS/BU-ONLY          |   |                   |
|                            |        |        |            |              |              |             | MH400/U         | MVR400/U           | MH400/U            | M400/U                    |   |                   |
|                            |        | 70+    | 3700       | MH400/C/U    | MVR400/C/U   | MH400/C/U   | M400/C/U        |                    |                    |                           |   |                   |
|                            |        | 60+    | 750W       | 4000         | MH750/HBU/PS |             |                 |                    |                    |                           |   |                   |
|                            |        | 11.5in | EX39       | 60+          | 400W         | 360W        | 4000            | MP360/BU/ES        | MPR360/VBU/WM/HO/O | MP360/BU/EW               |   | MSP360/SS/BU-ONLY |
|                            |        |        |            |              |              |             |                 | MP400/BU/CSTF      |                    |                           |   |                   |
|                            |        |        |            |              |              | MP400/BU/PS |                 |                    |                    |                           |   |                   |
|                            |        |        |            |              |              | MP400/BU    |                 | MVT400/VBU         | MHT400/U           | MPT400/BU                 |   |                   |
|                            | 70+    | 3700   | MP400/C/BU | MVT400/C/VBU | MHT400/C/U   | MPT400/C/BU |                 |                    |                    |                           |   |                   |
|                            | 60+    | 750W   | 4000       | MP750/BU/PS  |              |             | MP750/BU/PS     |                    |                    |                           |   |                   |
|                            | ED58   |        | E39        |              | 250W         |             | LU250/A         |                    |                    |                           |   |                   |
|                            | BT28   |        | E39        | 60+          | 175W         | 4200        | MH175U/M        |                    |                    |                           |   |                   |
|                            | BT37   | 11.5in | E39        | 60+          | 875W         | 4000        | MH875/U/PS      |                    |                    |                           |   |                   |
|                            |        |        |            |              | 1000W        |             | MH1000/U/PS     | MVR1000/U/BT37/PA  | M1000/PS/U/BT37    | MS1000/BU/BT37/PS         |   |                   |
|                            |        | 1000W  |            |              | 3800         | MH1000/BT37 |                 |                    |                    |                           |   |                   |
|                            |        | 11.5in |            |              | 1000W        | 4000        | MH1000/U/BT37   | MVR1000/U/BT37     | M1000/U/BT37       | MH1000/U/BT37             |   |                   |
| 11.5in                     | EX39   | 60+    | 875W       | 4000         | MP875/BU/PS  |             |                 |                    |                    |                           |   |                   |
| BT56                       | 15.4in | E39    | 60+        | 1500W        | 3400         | MH1500/BU   | MVR1500/HBU     | MH1500/U           | M1500/BU-HOR       |                           |   |                   |
|                            |        |        |            | 1000W        | 4000         | MH1000/U    | MVR1000/U       | MH1000/U           | M1000/U            |                           |   |                   |
|                            |        |        |            | 1500W        | 3900         | MH1500HBU   |                 |                    |                    |                           |   |                   |
|                            |        |        |            | 1000W        | 4000         | MH1000U/M   |                 |                    |                    |                           |   |                   |
|                            | 15.4in | EX39   | 60+        | 1000W        | 4000         | MP1000/BU   | MPR1000/VBU/O   | MP1000/BU          | MP100/BU-ONLY      |                           |   |                   |