



shining new light on **HID**



shining new light on

H I D

HID

FEATURES / BENEFITS

- Long life
- Energy efficient
- Available in multiple wattages
- Indoor and outdoor usage
- Available with UV Guard™



A brilliant light option

Long lasting and energy efficient, these lamps are ideal for street lights, parking lots, warehouses, interior highbays, and exterior lighting.

800.324.1496 + www.tcpi.com

energy efficient lighting



LU35/MED



MH 400W/U



MH 175W/U



MP 350W/BU/UVG/PS



LU1000/MOG



MH 175W/C/U



MP 70W/U/UVG/PS



MH 400W/BU/UVG



MH 1000W/U

H I I D

2007

TCP provides a **wide variety** of wattages and includes our **MP-protected** lamps for all of your open rated applications.

Contact factory for specialty applications.
Please check Rep Link and or Customer Link for clarification on stock and specialty items.

So many choices
High lumens and long life make metal halide lamps an easy choice!

Fast warm up time
Many pulse start lamps warm up in 1 – 2 minutes. That's faster than it takes the average person to wake up!

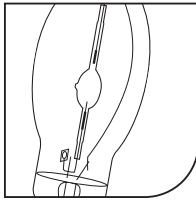
Illuminate your world
Downlighting, floodlighting, and landscape lighting are the perfect applications for these lamps.

METAL HALIDE PULSE START



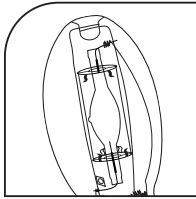
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|-------------|------------------|-----------|----------------|-------------|-----------|-----|-----|--------|--------------------|------|-----------|
|-------------|------------------|-----------|----------------|-------------|-----------|-----|-----|--------|--------------------|------|-----------|

50 WATT PULSE START METAL HALIDE



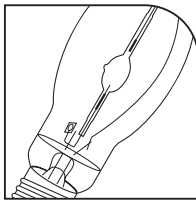
| | | | | | | | | | | | |
|-------|----------------------|--------|----------------|----------------|-----------------|------|----|--------|---|-----|-------|
| 46110 | MH 50W/U/PS | M110/E | 3400V 3100H | 2200V 2000H | 10000V 7500H | 4000 | 65 | Clear | U | E26 | ED17 |
| 46111 | MH 50W/C/U/PS | M110/E | 3200V 2900H | 2100V 1900H | 10000V 7500H | 3700 | 70 | Coated | U | E26 | ED17 |
| 46112 | MP 50W/U/UVG/PS/3K | M110/O | 3200V 2900H | 2100V 1900H | 10000V 7500H | 3200 | 65 | Clear | U | E26 | EDX17 |
| 46113 | MP 50W/C/U/UVG/PS/3K | M110/O | 3000V 2700H | 2000V 1800H | 10000V 7500H | 3200 | 70 | Coated | U | E26 | EDX17 |

70 WATT PULSE START METAL HALIDE



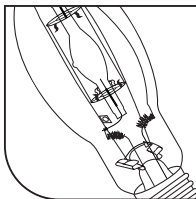
| | | | | | | | | | | | |
|-------|-------------------|-------|------------------|------------------|--------------------|------|----|--------|---|-----|-------|
| 46120 | MH 70W/U/PS | M98/E | 5600 V 5000 H | 3600 V 3300 H | 15000 V 11250 H | 4000 | 65 | Clear | U | E26 | ED17 |
| 46121 | MH 70W/C/U/PS | M98/E | 5300 V 4800 H | 3400 V 3100 H | 15000 V 11250 H | 3700 | 70 | Coated | U | E26 | ED17 |
| 46124 | MP 70W/U/UVG/PS | M98/O | 5300V 4800H | 3400V 3100H | 15000 V 11250 H | 4000 | 65 | Clear | U | E26 | EDX17 |
| 46127 | MP 70W/C/U/UVG/PS | M98/O | 5000V 4500H | 3300V 3000H | 15000 V 11250 H | 3700 | 70 | Coated | U | E26 | EDX17 |

100 WATT PULSE START METAL HALIDE



| | | | | | | | | | | | |
|-------|--------------------|-------|------------------|------------------|--------------------|------|----|--------|---|-----|-------|
| 46130 | MH 100W/U/PS | M90/E | 9000 V 8100 H | 5900 V 5300 H | 15000 V 11250 H | 4000 | 65 | Clear | U | E26 | ED17 |
| 46131 | MH 100W/C/U/PS | M90/E | 8500 V 7700 H | 5500 V 5000 H | 15000 V 11250 H | 3700 | 70 | Coated | U | E26 | ED17 |
| 46132 | MH 100W/U/PS/3K | M90/E | 9000 V 8100 H | 5900 V 5300 H | 15000 V 11250 H | 3200 | 65 | Clear | U | E26 | ED17 |
| 46133 | MH 100W/C/U/PS/3K | M90/E | 8500 V 7700 H | 5500 V 5000 H | 15000 V 11250 H | 3200 | 70 | Coated | U | E26 | ED17 |
| 46136 | MP 100W/U/UVG/PS | M90/O | 8500V 7700H | 5500V 5000H | 15000 V 11250 H | 4000 | 65 | Clear | U | E26 | EDX17 |
| 46139 | MP 100W/C/U/UVG/PS | M90/O | 8100V 7300H | 5300V 4800H | 15000 V 11250 H | 3700 | 70 | Coated | U | E26 | EDX17 |

150 WATT PULSE START METAL HALIDE



| | | | | | | | | | | | |
|-------|---------------------|--------|--------------------|-------------------|--------------------|------|----|--------|---|-----|-------|
| 46156 | MH 150W/U/PS | M102/E | 14000 V 12600 H | 10500 V 9500 H | 15000 V 11250 H | 4000 | 65 | Clear | U | E26 | ED17 |
| 46161 | MH 150W/C/U/PS | M102/E | 13300 V 12000 H | 10000 V 9000 H | 15000 V 11250 H | 3700 | 70 | Coated | U | E26 | ED17 |
| 46158 | MH 150W/U/ED28/PS | M102/E | 14000V 12600H | 10500V 9500H | 15000 V 11250 H | 4000 | 65 | Clear | U | E39 | ED28 |
| 46150 | MP 150W/U/UVG/PS | M102/O | 13300 V 12000 H | 10000 V 9000 H | 15000 V 11250 H | 4000 | 65 | Clear | U | E26 | EDX17 |
| 46155 | MP 150W/C/U/UVG/PS | M102/O | 12600V 11300H | 9500V 8500H | 15000V 11250H | 3700 | 70 | Coated | U | E26 | EDX17 |
| 46152 | MP 150W/U/UVG/PS/3K | M102/O | 13300 V 12000 H | 10000 V 9000 H | 15000 V 11250 H | 3200 | 65 | Clear | U | E26 | EDX17 |

A lot of light

Great for parking garages, site lighting, and industrial lighting.

UV Guard™

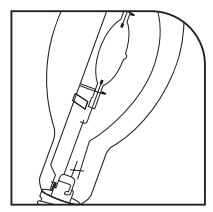
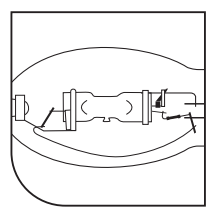
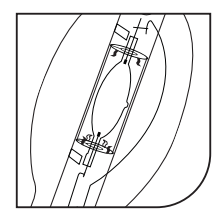
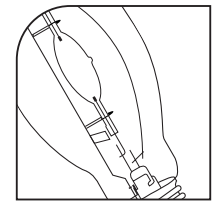
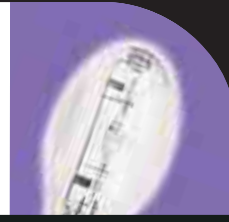
Our UV Guard™ open rated lamps provide a 90% reduction in ultraviolet light output.

More light for your watts

Higher light output, better maintained lumens, and longer life than standard probe start lamps with equivalent watts.

METAL HALIDE PULSE START

| ITEM NUMBER | ITEM DESCRIPTION | ANSI SPEC | INITIAL LUMENS | MEAN LUMENS | LAMP LIFE | CCT | CRI | FINISH | OPERATING POSITION | BASE | BULB TYPE |
|--|--------------------------|------------------|----------------|-------------|-----------|------|-----|--------|--------------------|------|-----------|
| 175 WATT PULSE START METAL HALIDE | | | | | | | | | | | |
| 46170 | MS 175W/BU/MED/PS | M152/E M137/E | 17500 | 14000 | 15000 | 4000 | 65 | Clear | BU+/-15° | E26 | ED17 |
| 46171 | MS 175W/C/BU/MED/PS | M152/E M137/E | 16600 | 13300 | 15000 | 3700 | 70 | Coated | BU+/-15° | E26 | ED17 |
| 46174 | MS 175W/BU/PS | M152/E M137/E | 17500 | 14000 | 15000 | 4000 | 65 | Clear | BU+/-15° | E39 | ED28 |
| 46175 | MS 175W/C/BU/PS | M152/E M137/E | 16600 | 13300 | 15000 | 3700 | 70 | Coated | BU+/-15° | E39 | ED28 |
| 46176 | MP 175W/BU/UVG/PS | M152/O M137/O | 16600 | 13300 | 15000 | 4000 | 65 | Clear | BU+/-15° | EX39 | ED28 |
| 46177 | MP 175W/C/BU/UVG/PS | M152/O M137/O | 15800 | 12600 | 15000 | 3700 | 70 | Coated | BU+/-15° | EX39 | ED28 |
| 200 WATT PULSE START METAL HALIDE | | | | | | | | | | | |
| 46212 | MS 200W/V/PS | M136/E | 21000 | 16800 | 15000 | 4000 | 65 | Clear | V+/-15° | E39 | ED28 |
| 46213 | MS 200W/C/V/PS | M136/E | 20000 | 16000 | 15000 | 3700 | 70 | Coated | V+/-15° | E39 | ED28 |
| 46214 | MS 200W/BU/MED/PS | M136/E | 21000 | 16800 | 12000 | 4000 | 65 | Clear | BU+/-15° | E26 | ED17 |
| 46210 | MP 200W/BU/UVG/PS | M136/O | 20000 | 16000 | 15000 | 4000 | 65 | Clear | BU+/-15° | EX39 | ED28 |
| 46215 | MP 200W/C/BU/UVG/PS | M136/O | 19000 | 15200 | 15000 | 3700 | 70 | Coated | BU+/-15° | EX39 | ED28 |
| 250 WATT PULSE START METAL HALIDE | | | | | | | | | | | |
| 46222 | MS 250W/V/PS | M153/E M138/E | 25000 | 20000 | 15000 | 4000 | 65 | Clear | V+/-15° | E39 | ED28 |
| 46223 | MS 250W/C/V/PS | M153/E M138/E | 23800 | 19000 | 15000 | 3700 | 70 | Coated | V+/-15° | E39 | ED28 |
| 46226 | MS 250W/HOR/PS | M153/E M138/E | 21000 | 16000 | 10000 | 4000 | 65 | Clear | HOR+/-45° | E39 | ED28 |
| 46224 | MP 250W/BU/UVG/PS | M153/O M138/O | 23800 | 19000 | 15000 | 4000 | 65 | Clear | BU+/-15° | EX39 | ED28 |
| 46221 | MP 250W/C/BU/UVG/PS | M153/O M138/O | 22600 | 17600 | 15000 | 3700 | 70 | Coated | BU+/-15° | EX39 | ED28 |
| 320 WATT PULSE START METAL HALIDE | | | | | | | | | | | |
| 46236 | MS 320W/V/ED28/PS | M154/E M132/E | 33000 | 26000 | 20000 | 4000 | 65 | Clear | V+/-15° | E39 | ED28 |
| 46231 | MS 320W/C/V/ED28/PS | M154/E M132/E | 31000 | 25000 | 20000 | 3700 | 70 | Coated | V+/-15° | E39 | ED28 |
| 46232 | MS 320W/V/ED37/PS | M154/E M132/E | 33000 | 26000 | 20000 | 4000 | 65 | Clear | V+/-15° | E39 | ED37 |
| 46233 | MS 320W/C/V/ED37/PS | M154/E M132/E | 31000 | 25000 | 20000 | 3700 | 70 | Coated | V+/-15° | E39 | ED37 |
| 46240 | MP 320W/BU/ED28/UVG/PS | M154/O M132/O | 31000 | 25000 | 20000 | 4000 | 65 | Clear | BU+/-15° | EX39 | ED28 |
| 46237 | MP 320W/C/BU/ED28/UVG/PS | M154/O M132/O | 29000 | 23000 | 20000 | 3700 | 70 | Coated | BU+/-15° | EX39 | ED28 |
| 46242 | MP 320W/BU/ED37/UVG/PS | M154/O M132/O | 31000 | 25000 | 20000 | 4000 | 65 | Clear | BU+/-15° | EX39 | ED37 |
| 46239 | MP 320W/C/BU/ED37/UVG/PS | M154/O M132/O | 29000 | 23000 | 20000 | 3700 | 70 | Coated | BU+/-15° | EX39 | ED37 |



Metal Halide

2007

Versatility
Our metal halides are perfect for your retail, hazardous location, and warehouse lighting needs.

Fewer watts, more lumens
More lumen output than standard metal halide lamps, using fewer watts.

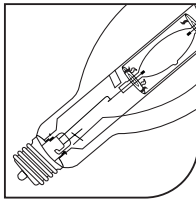
Long Life
20,000 hours.

METAL HALIDE PULSE START



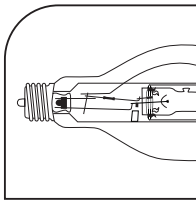
| ITEM NUMBER | ITEM DESCRIPTION | ANSI SPEC | INITIAL LUMENS | MEAN LUMENS | LAMP LIFE | CCT | CRI | FINISH | OPERATING POSITION | BASE | BULB TYPE |
|-------------|------------------|-----------|----------------|-------------|-----------|-----|-----|--------|--------------------|------|-----------|
|-------------|------------------|-----------|----------------|-------------|-----------|-----|-----|--------|--------------------|------|-----------|

350 WATT PULSE START METAL HALIDE



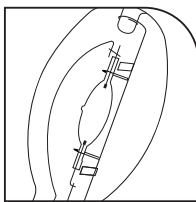
| | | | | | | | | | | | |
|-------|-------------------------|--------|-------|-------|-------|------|----|--------|----------|------|------|
| 46250 | MS 350WV/PS | M131/E | 37000 | 29000 | 20000 | 4000 | 65 | Clear | V+/-15° | E39 | ED37 |
| 46253 | MS 350WCV/PS | M131/E | 35000 | 28000 | 20000 | 3700 | 70 | Coated | V+/-15° | E39 | ED37 |
| 46254 | MS 350WV/ED28/PS | M131/E | 37000 | 29000 | 20000 | 4000 | 65 | Clear | V+/-15° | E39 | ED28 |
| 46256 | MS 350WCV/ED28/PS | M131/E | 35000 | 28000 | 20000 | 3700 | 70 | Coated | V+/-15° | E39 | ED28 |
| 46258 | MP 350WBU/UVG/PS | M131/O | 35000 | 28000 | 20000 | 4000 | 65 | Clear | BU+/-15° | EX39 | ED37 |
| 46257 | MP 350WC/BU/UVG/PS | M131/O | 33000 | 26000 | 20000 | 3700 | 70 | Coated | BU+/-15° | EX39 | ED37 |
| 46260 | MP 350WBU/ED28/UVG/PS | M131/O | 35000 | 28000 | 20000 | 4000 | 65 | Clear | BU+/-15° | EX39 | ED28 |
| 46259 | MP 350WC/BU/ED28/UVG/PS | M131/O | 33000 | 26000 | 20000 | 3700 | 70 | Coated | BU+/-15° | EX39 | ED28 |

400 WATT PULSE START METAL HALIDE



| | | | | | | | | | | | |
|-------|-------------------------|------------------|-------|-------|-------|------|----|--------|-----------|------|------|
| 46274 | MS 400WV/PS | M155/E M135/E | 44000 | 35000 | 20000 | 4000 | 65 | Clear | V+/-15° | E39 | ED37 |
| 46275 | MS 400WCV/PS | M155/E M135/E | 42000 | 33000 | 20000 | 3700 | 70 | Coated | V+/-15° | E39 | ED37 |
| 46273 | MS 400WCV/ED28/PS | M155/E M135/E | 42000 | 33000 | 20000 | 3700 | 70 | Coated | V+/-15° | E39 | ED28 |
| 46280 | MP 400WBU/UVG/PS | M155/O M135/O | 41000 | 33000 | 20000 | 4000 | 65 | Clear | BU+/-15° | EX39 | ED37 |
| 46279 | MP 400WC/BU/ED28/UVG/PS | M155/O M135/O | 39000 | 31000 | 20000 | 3700 | 70 | Coated | BU+/-15° | EX39 | ED28 |
| 46284 | MS 400W/HOR/PS | M155/E M135/E | 38000 | 28500 | 15000 | 4000 | 65 | Clear | HOR+/-45° | E39 | ED37 |

450 WATT PULSE START METAL HALIDE



| | | | | | | | | | | | |
|-------|--------------------|--------|-------|-------|-------|------|----|--------|----------|------|------|
| 46290 | MS 450WV/PS | M144/E | 50000 | 40000 | 20000 | 4000 | 65 | Clear | V+/-15° | E39 | ED37 |
| 46291 | MS 450WCV/PS | M144/E | 47000 | 37000 | 20000 | 3700 | 70 | Coated | V+/-15° | E39 | ED37 |
| 46292 | MP 450WBU/UVG/PS | M144/O | 47000 | 37000 | 20000 | 4000 | 65 | Clear | BU+/-15° | EX39 | ED37 |
| 46293 | MP 450WC/BU/UVG/PS | M144/O | 45000 | 36000 | 20000 | 3700 | 70 | Coated | BU+/-15° | EX39 | ED37 |

This way up

Universal burning position makes our lamps perfect for many applications.


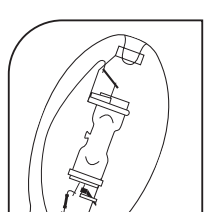
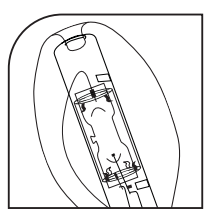
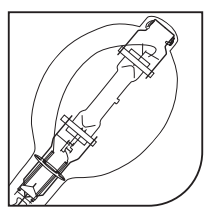
UV Guard™

Our UV Guard™ open rated lamps provide a 90% reduction in ultraviolet light output.

Play Ball!

Use our lamps to light stadiums, parking lots, buildings, and all your outdoor needs.

METAL HALIDE PROBE START

| ITEM NUMBER | ITEM DESCRIPTION | ANSI SPEC | INITIAL LUMENS | MEAN LUMENS | LAMP LIFE | CCT | CRI | FINISH | OPERATING POSITION | BASE | BULB TYPE | |
|--|------------------|-----------|---------------------|--------------------|--------------------|------|-----|--------|--------------------|------|-----------|---|
| 175 WATT STANDARD PROBE START METAL HALIDE | | | | | | | | | | | | |
| 46310 | MH 175W/U | M57/E | 14000 V 12600 H | 9100 V 8200 H | 10000 V 7500 H | 4000 | 65 | Clear | U | E39 | ED28 |  |
| 46311 | MH 175W/C/U | M57/E | 13300 V 12000 H | 8600 V 7800 H | 10000 V 7500 H | 3700 | 70 | Coated | U | E39 | ED28 | |
| 46317 | MH 175W/U/MED | M57/E | 14000V 12600H | 9100V 8200H | 10000V 7500H | 4000 | 65 | Clear | U | E26 | ED17 | |
| 46319 | MH 175W/C/U/MED | M57/E | 13300V 12000H | 8600V 7800H | 10000V 7500H | 3700 | 70 | Coated | U | E26 | ED17 | |
| 250 WATT STANDARD PROBE START METAL HALIDE | | | | | | | | | | | | |
| 46320 | MH 250W/U | M58/E | 21000 V 18900 H | 13700 V 12300 H | 10000 V 7500 H | 4000 | 65 | Clear | U | E39 | ED28 |  |
| 46321 | MH 250W/C/U | M58/E | 20000 V 18000 H | 13000 V 11700 H | 10000 V 7500 H | 3700 | 70 | Coated | U | E39 | ED28 | |
| 400 WATT STANDARD PROBE START METAL HALIDE | | | | | | | | | | | | |
| 46340 | MH 400W/U | M59/E | 36000 V 32400 H | 23000 V 21100 H | 20000 V 15000 H | 4000 | 65 | Clear | U | E39 | ED37 |  |
| 46341 | MH 400W/C/U | M59/E | 34000 V 30600 H | 22000 V 19900 H | 20000 V 15000 H | 3700 | 70 | Coated | U | E39 | ED37 | |
| 46352 | MH 400W/U/ED28 | M59/E | 36000 V 32400 H | 23000 V 21100 H | 20000 V 15000 H | 4000 | 65 | Clear | U | E39 | ED28 | |
| 46347 | MH 400W/C/U/ED28 | M59/E | 34000 V 30600 H | 22000 V 19900 H | 20000 V 15000 H | 3700 | 70 | Coated | U | E39 | ED28 | |
| 46344 | MS 400W/BU | M59/E | 40000 | 26000 | 20000 | 4000 | 65 | Clear | BU+/-15° | E39 | ED37 | |
| 46345 | MS 400W/C/BU | M59/E | 38000 | 24000 | 20000 | 3700 | 70 | Coated | BU+/-15° | E39 | ED37 | |
| 46346 | MP 400W/BU/UVG | M59/O | 36000 | 23000 | 20000 | 4000 | 65 | Clear | BU+/-15° | EX39 | ED37 | |
| 1000 WATT STANDARD PROBE START METAL HALIDE | | | | | | | | | | | | |
| 46370 | MH 1000W/U | M47/E | 110000 V 99000 H | 71000 V 64400 H | 12000 V 9000 H | 4000 | 65 | Clear | U | E39 | BT56 |  |

Metal Halide

2007

This way up

Universal burning position makes our lamps perfect for many applications.


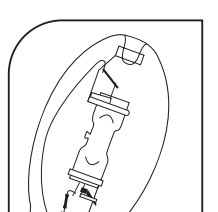
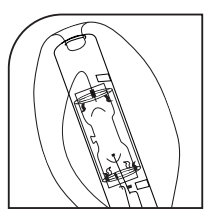
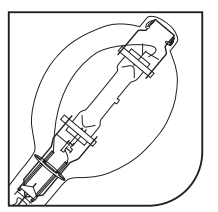
UV Guard™

Our UV Guard™ open rated lamps provide a 90% reduction in ultraviolet light output.

Play Ball!

Use our lamps to light stadiums, parking lots, buildings, and all your outdoor needs.

METAL HALIDE PROBE START

| ITEM NUMBER | ITEM DESCRIPTION | ANSI SPEC | INITIAL LUMENS | MEAN LUMENS | LAMP LIFE | CCT | CRI | FINISH | OPERATING POSITION | BASE | BULB TYPE | |
|--|------------------|-----------|---------------------|--------------------|--------------------|------|-----|--------|--------------------|------|-----------|---|
| 175 WATT STANDARD PROBE START METAL HALIDE | | | | | | | | | | | | |
| 46310 | MH 175W/U | M57/E | 14000 V 12600 H | 9100 V 8200 H | 10000 V 7500 H | 4000 | 65 | Clear | U | E39 | ED28 |  |
| 46311 | MH 175W/C/U | M57/E | 13300 V 12000 H | 8600 V 7800 H | 10000 V 7500 H | 3700 | 70 | Coated | U | E39 | ED28 | |
| 46317 | MH 175W/U/MED | M57/E | 14000V 12600H | 9100V 8200H | 10000V 7500H | 4000 | 65 | Clear | U | E26 | ED17 | |
| 46319 | MH 175W/C/U/MED | M57/E | 13300V 12000H | 8600V 7800H | 10000V 7500H | 3700 | 70 | Coated | U | E26 | ED17 | |
| 250 WATT STANDARD PROBE START METAL HALIDE | | | | | | | | | | | | |
| 46320 | MH 250W/U | M58/E | 21000 V 18900 H | 13700 V 12300 H | 10000 V 7500 H | 4000 | 65 | Clear | U | E39 | ED28 |  |
| 46321 | MH 250W/C/U | M58/E | 20000 V 18000 H | 13000 V 11700 H | 10000 V 7500 H | 3700 | 70 | Coated | U | E39 | ED28 | |
| 400 WATT STANDARD PROBE START METAL HALIDE | | | | | | | | | | | | |
| 46340 | MH 400W/U | M59/E | 36000 V 32400 H | 23000 V 21100 H | 20000 V 15000 H | 4000 | 65 | Clear | U | E39 | ED37 |  |
| 46341 | MH 400W/C/U | M59/E | 34000 V 30600 H | 22000 V 19900 H | 20000 V 15000 H | 3700 | 70 | Coated | U | E39 | ED37 | |
| 46352 | MH 400W/U/ED28 | M59/E | 36000 V 32400 H | 23000 V 21100 H | 20000 V 15000 H | 4000 | 65 | Clear | U | E39 | ED28 | |
| 46347 | MH 400W/C/U/ED28 | M59/E | 34000 V 30600 H | 22000 V 19900 H | 20000 V 15000 H | 3700 | 70 | Coated | U | E39 | ED28 | |
| 46344 | MS 400W/BU | M59/E | 40000 | 26000 | 20000 | 4000 | 65 | Clear | BU+/-15° | E39 | ED37 | |
| 46345 | MS 400W/C/BU | M59/E | 38000 | 24000 | 20000 | 3700 | 70 | Coated | BU+/-15° | E39 | ED37 | |
| 46346 | MP 400W/BU/UVG | M59/O | 36000 | 23000 | 20000 | 4000 | 65 | Clear | BU+/-15° | EX39 | ED37 | |
| 1000 WATT STANDARD PROBE START METAL HALIDE | | | | | | | | | | | | |
| 46370 | MH 1000W/U | M47/E | 110000 V 99000 H | 71000 V 64400 H | 12000 V 9000 H | 4000 | 65 | Clear | U | E39 | BT56 |  |

Metal Halide

2007

High Efficacy
Ideal for general lighting applications where high efficacy and long life are desired while color rendering is not critical

P is for Practical
Perfect for outdoor applications, industrial facilities, and roadways.

Lasts a long, long time
Long life – 24,000+ hours!

HIGH PRESSURE SODIUM



ITEM NUMBER

ITEM DESCRIPTION

ANSI SPEC

INITIAL LUMENS

MEAN LUMENS

LAMP LIFE

CCT

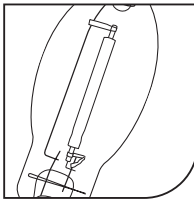
CRI

FINISH

DIAMETER

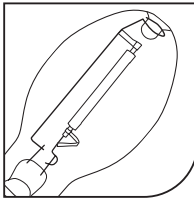
BULB TYPE

HIGH PRESSURE SODIUM, MEDIUM BASE



| | | | | | | | | | | |
|-------|--------------|-----|-------|-------|--------|------|----|-------|------|------|
| 48110 | LU35/MED | S76 | 2200 | 2000 | 16000+ | 1900 | 22 | Clear | 2.13 | ED17 |
| 48120 | LU50/MED | S68 | 4000 | 3600 | 24000+ | 1900 | 22 | Clear | 2.13 | ED17 |
| 48140 | LU70/MED | S62 | 6400 | 5800 | 24000+ | 2000 | 22 | Clear | 2.13 | ED17 |
| 48160 | LU100/MED | S54 | 9000 | 7200 | 24000+ | 2000 | 22 | Clear | 2.13 | ED17 |
| 48180 | LU150/55/MED | S55 | 16000 | 14400 | 24000+ | 2000 | 22 | Clear | 2.13 | ED17 |

HIGH PRESSURE SODIUM, MOGUL BASE



| | | | | | | | | | | |
|-------|--------------|-----|--------|--------|--------|------|----|-------|------|--------|
| 48210 | LU50/MOG | S68 | 4000 | 3600 | 24000+ | 2000 | 22 | Clear | 3.00 | ED23.5 |
| 48220 | LU70/MOG | S62 | 6400 | 5800 | 24000+ | 2000 | 22 | Clear | 3.00 | ED23.5 |
| 48230 | LU100/MOG | S54 | 9500 | 8500 | 24000+ | 2000 | 22 | Clear | 3.00 | ED23.5 |
| 48240 | LU150/55/MOG | S55 | 16000 | 14400 | 24000+ | 2000 | 22 | Clear | 3.00 | ED23.5 |
| 48250 | LU250/MOG | S50 | 28000 | 25200 | 24000+ | 2100 | 22 | Clear | 2.25 | ED18 |
| 48260 | LU400/MOG | S51 | 50000 | 45000 | 24000+ | 2100 | 22 | Clear | 2.25 | ED18 |
| 42870 | LU1000/MOG | S52 | 130000 | 117000 | 24000+ | 2100 | 22 | Clear | 3.12 | E25 |

Warranties

Metal Halide & High Pressure Sodium

Metal Halide & High Pressure Sodium Lamps 12 months

LIMITED WARRANTY

This TCP product is warranted for a period of one year from date of original purchase against defects in materials and workmanship. If this product should fail to operate due to defects in materials or workmanship, simply return this product to the place of purchase or to TCP Service Center (address below) along with the original sales receipt within one year of purchase. This product will be repaired or replaced, at TCP's option. This warranty is expressly limited to repair or replacement of the product. This warranty gives the consumer specific legal rights, which vary from state to state.

WARRANTY IS VOID IF PRODUCT IS NOT USED FOR THE PURPOSE FOR WHICH THIS PRODUCT IS MANUFACTURED.

High Intensity Discharge Technical Information

Lamp Description Codes

Each TCP lamp has an imprinted monogram code that identifies the important features needed to select a replacement. For better interpretation and selection of lamp types, the lamp description code used to identify TCP lamps appears below. Each lamp description follows the lamp standards used in the industry.

Metal Halide Description Code Example:

Lamp type: MH 350W/C/BU/ED28/PS, 350 watt pulse start lamp, enclosed fixture rated, base-up burning position, coated, reduced outer jacket bulb, standard 4000 Kelvin color temperature.

| MH | 350W | C | BU | ED28 | PS | |
|------------------------|--------------|----------------------------|-----------------------------|--|------------------|--|
| Metal halide lamp type | Lamp wattage | Coated Outer jacket finish | Operating position, Base-up | Bulb shape and diameter, if non-standard | Pulse start lamp | Color temperature family, 4K unless otherwise stated |

High Pressure Sodium Description Code Example:

Lamp type: LU70/MOG, 70 watt universal burning high pressure sodium lamp with a mogul base (E39). All HPS lamps can be used in the universal burn position.

| LU | 70 | MOG |
|--------------------------------|--------------|----------------|
| High Pressure Sodium lamp type | Lamp wattage | Mogul base E39 |

Lamp Description Codes:

Lamp type: LU70/MOG, 70 watt universal burning high pressure sodium lamp with a mogul base (E39). All HPS lamps can be used in the universal burn position

- BU** Lamps designed for base up ($\pm 15^\circ$) operating position
- V** Lamps designed for a vertical ($\pm 15^\circ$) operating position
- C** Lamps with a phosphor coated (diffuse) outer jacket
- ED##** Bulb shape and diameter in 1/8 inches (i.e. diameter of ED28 is 3.5 in.)
- LU** High Pressure Sodium
- MED** Medium base E26
- MH** Metal Halide, typically universal "U"
- MOG** Mogul base E39
- MP** Lamps with protected (shrouded) arc tube designed for open luminaries
- MS** High output metal halide lamps for dedicated operating positions, a "BU", "V", or "HOR"
- PS** Pulse start lamp
- U** Universal operating position "U"
- UVG** UV Guard™ lamps with reduced ultraviolet output
- HOR** Horizontal operating position (HOR $\pm 45^\circ$)

Metal Halide Warning

LAMP OPERATING CHARACTERISTICS

- 1) This is a discharge lamp and requires several minutes to restart and come to full brightness after a power interruption. For total load, add auxiliary ballast watts to lamp watts.
- 2) Color variation from lamp to lamp is an inherent characteristic of metal halide lamps. It is further influenced by variation in the operating conditions and is not an indication of lamp or system failure. As lamps age, a gradual shift in color normally appears.

WARNING: THIS LAMP CAN CAUSE SERIOUS SKIN BURN AND EYE INFLAMMATION FROM SHORTWAVE ULTRAVIOLET RADIATION IF THE OUTER ENVELOPE OF THE LAMP IS BROKEN OR PUNCTURED AND THE ARC TUBE CONTINUES TO OPERATE. DO NOT USE WHERE PEOPLE WILL REMAIN FOR MORE THAN A FEW MINUTES UNLESS ADEQUATE SHIELDING OR OTHER SAFETY PRECAUTIONS ARE USED. CERTAIN TYPES OF LAMPS THAT WILL AUTOMATICALLY EXTINGUISH WHEN THE OUTER ENVELOPE IS BROKEN OR PUNCTURED ARE COMMERCIALY AVAILABLE.

Complies with USA Federal Standard 21 CFR 1040.03 and Canadian Standard SOR/80-381.

If the outer envelope breaks or is punctured and lamp continues to operate, immediately turn power off and remove lamp after it has been cooled. If the arc tube is broken, avoid skin contact with any of the contents and fragments.

 LAMP CONTAINS MERCURY

Manage in Accord with Disposal Laws.

See: www.lamprecycle.org

or 1-800-378-6998

