

Tip Colors of Tungsten Electrode

| Electrode Name | Trade mark | Added impurity | Impurity quantity | Other impurities | Tungsten | Electric discharged power | Color sign |
|------------------------------|------------|--------------------------------|-------------------|------------------|----------|---------------------------|----------------|
| Pure Tungsten Electrode | WP | -- | -- | <0.20% | The rest | 4.5 | Green |
| Thorium Tungsten Electrode | WT10 | ThO ₂ | 0.90 - 1.20 | <0.20% | The rest | -- | Primary |
| Thorium Tungsten Electrode | WT20 | | 1.80 - 2.20 | <0.20% | The rest | -- | Red |
| Thorium Tungsten Electrode | WT30 | | 2.80 - 3.20 | <0.20% | The rest | -- | Purple |
| Thorium Tungsten Electrode | WT40 | | 3.80 - 4.20 | <0.20% | The rest | -- | Orange Primary |
| Lanthanum Tungsten Electrode | WL10 | La ₂ O ₃ | 0.80 - 1.20% | <0.20% | The rest | 2.6 - 2.7 | Black |
| Lanthanum Tungsten Electrode | WL15 | La ₂ O ₃ | 1.30 - 1.70% | <0.20% | The rest | 2.8 - 3.0 | Yellow |
| Lanthanum Tungsten Electrode | WL20 | La ₂ O ₃ | 1.80 - 2.20% | <0.20% | The rest | 2.8 - 3.2 | Sky blue |
| Cerium Tungsten Electrode | WC20 | CeO ₂ | 1.80 - 2.20% | <0.20% | The rest | 2.7 - 2.8 | Grey |
| Cerium Tungsten Electrode | WC20 | CeO ₂ | 1.80 - 2.20% | <0.20% | The rest | 2.7 - 2.8 | Grey |
| Zirconium Tungsten Electrode | WZ3 | ZrO ₂ | 0.20 - 0.40% | <0.20% | The rest | 2.5 - 3.0 | Brown |
| Zirconium Tungsten Electrode | WZ8 | ZrO ₂ | 0.70 - 0.90% | <0.20% | The rest | 2.5 - 3.0 | White |
| Yttrium Tungsten Electrode | WY20 | YO ₂ | 1.80 - 2.20% | <0.20% | The rest | 2.0 - 3.9 | Blue |
| Composite Electrode | WRex | ReOx | 1.00 - 4.00% | <0.20% | The rest | 2.45 - 3.1 | -- |
| Silver Tungsten Electrode | AgW | Silver | -- | -- | -- | -- | -- |