

## HCI-TC 20 W/830 WDL PB G8.5

---

POWERBALL HCI-TC | Metal halide lamps with ceramic technology for enclosed luminaires



- Shop interiors, shop windows
- Shopping arcades
- Foyers, reception areas
- Museums, exhibitions
- Accent lighting
- Decorative lighting

### Product benefits

---

- Very high efficiency
- Good to excellent color rendering
- Very good color stability
- UV values significantly below the maximum permitted thresholds to IEC 61167 thanks to UV filter

### Product features

---

- POWERBALL ceramic technology
- UV filter technology
- Light colors: warm white (830 WDL), neutral white (942 NDL)
- Average life: 15,000 hours (on ECG in h90 burning position)
- Average life: 12,000 hours (on magnetic control gear)



## Technical data

---

### Electrical data

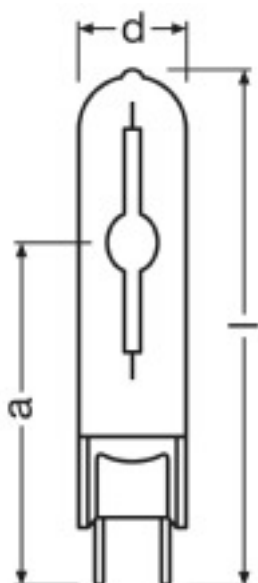
|                 |       |
|-----------------|-------|
| Nominal voltage | 230 V |
| Nominal wattage | 20 W  |
| Lamp current    | 0.2 A |
| Rated wattage   | 20 W  |

### Light technical data

|                          |         |
|--------------------------|---------|
| Luminous flux            | 1700 lm |
| Color rendering index Ra | 81      |
| Color rendering group    | 1B      |
| Color temperature        | 3000 K  |
| Luminous efficacy        | 85 lm/W |
| Light color              | 830     |

### Dimensions & weight

|                           |         |
|---------------------------|---------|
| Diameter                  | 15.0 mm |
| Length                    | 81.0 mm |
| Light center length (LCL) | 52.0 mm |



Product line drawing with letters

#### Colors & materials

|                      |        |
|----------------------|--------|
| Lamp mercury content | 3.4 mg |
| Mercury-free         | No     |

#### Temperatures

|                                     |        |
|-------------------------------------|--------|
| Maximum permitted pinch temperature | 300 °C |
|-------------------------------------|--------|

#### Lifespan

|              |                               |
|--------------|-------------------------------|
| Lifespan B50 | 15000 / 12000 h <sup>1)</sup> |
|--------------|-------------------------------|

<sup>1)</sup> At ECG / At CCG

#### Additional product data

|                             |       |
|-----------------------------|-------|
| Base (standard designation) | G8.5  |
| Design / version            | Clear |

**Capabilities**

|                         |     |
|-------------------------|-----|
| <b>Burning position</b> | Any |
|-------------------------|-----|

## Lamp-ECG combination (System)

---

### PTi 20 B

---

#### Products

PTi 20 B

### PTi 20 I

---

#### Products

PTi 20 I

### PTi 20 S

---

#### Products

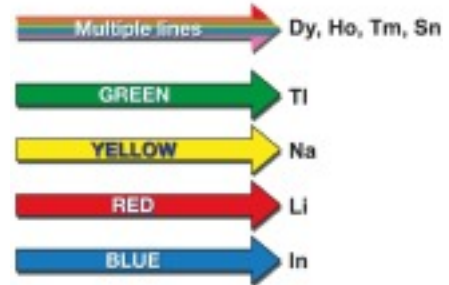
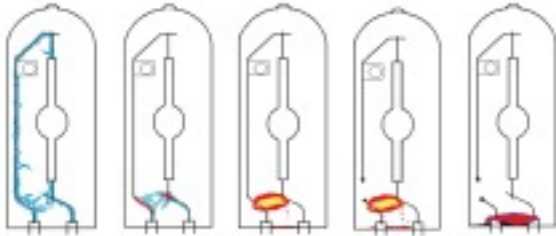
PTi 20 S

---

## System guarantee

---

For the vast majority of our lamps we are offering an extended system guarantee in conjunction with OSRAM POWERTRONIC control gear.

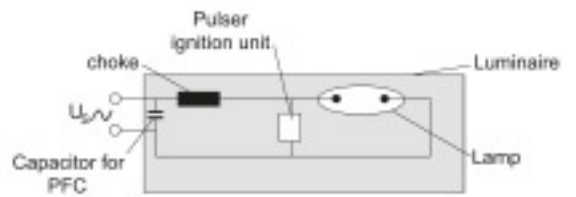
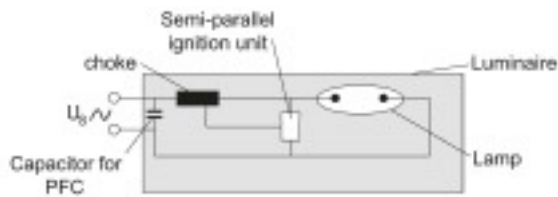


Variation possibilities of the Colour Temperature

|                       |     | $T_n$      | CRI   |
|-----------------------|-----|------------|-------|
| Daylight              | D   | > 5300 K   | ≥80   |
| Neutral White         | N   | ca. 4000 K | 60-69 |
| Neutral White de luxe | NDL | 4200 K     | ≥80   |
| Warm White de luxe    | WDL | 3000 K     | ≥80   |

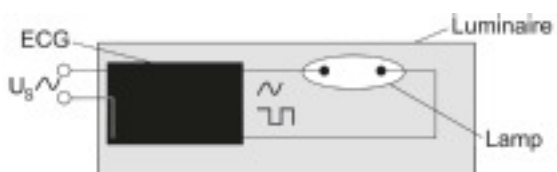
Others graphics

Others graphics



Circuit diagram

Circuit diagram



---

*Circuit diagram*

## References / Links

---

For more information on the system guarantee and the terms and conditions of the guarantee visit

▶ [www.osram.com/system-guarantee](http://www.osram.com/system-guarantee)

## Disclaimer

---

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.