Product family datasheet
POWERBALL HCI-TT SUPER 4Y

Metal halide lamps with ceramic technology for enclosed luminaires

- Product features
  White light due to POWERBALL® ceramic technology
  Light color: warm white (830 WDL)
  Extended service lifetime: 4 years (at approx. 11 h/day)
  Very high luminous efficacy: up to 125 lm/W
  Lamp survival factor: 95 % after 16,000 h burning time
  Average lifetime: up to 24,000 h
  ErP compliant according to EU Regulation 245/2009
  Dimmable on conventional control gears and electronic control gears

Product benefits
- Up to 15 % higher lumen maintenance factor compared to HCI-TT standard lamps
- Up to 30 % higher lum. efficacy for lamps ≤ 100 W (comp. to NAV-T Super 4Y/6Y)
- Good color rendering
- Operation in existing HPS installations as ignition voltage of IEC 60662 is met
- Optimum energy efficiency on POWERTRONIC® PTo 3DIM ECGs
- UV values significantly below the maximum permitted thresholds to IEC 61167 thanks to UV filter

Areas of application
- Streets
- Outdoor lighting
- Industrial installations
- Exhibition halls and trade fairs

Approved only for use in enclosed luminaires

Outdoor applications only in suitable luminaires

System guarantee
- When operated with OSRAM POWERTRONIC® control gear, an extended system guarantee is granted for these lamps.
- Safety advice
  Where possible, use a timer igniter (switch-off time of at least 15 minutes).
  Otherwise, switch off the luminaire for at least 15 minutes if a brief interruption has occurred to the mains voltage supply.

References / Links
For more information on the system guarantee and the terms and conditions of the guarantee visit www.ledvance.com/system-guarantee
### Technical data

<table>
<thead>
<tr>
<th>Product description</th>
<th>Electrical data</th>
<th>Photometrical data</th>
<th>Product description</th>
<th>Nominal wattage</th>
<th>Rated wattage</th>
<th>Nominal voltage</th>
<th>Nominal current</th>
<th>Rated luminous flux</th>
<th>Color rendering index</th>
<th>Color temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>HCI-TT 70 W/830 SUPER 4Y</td>
<td>70.00 W</td>
<td>77.00 W</td>
<td>95 V</td>
<td>1 A</td>
<td>8000 lm</td>
<td>80</td>
<td>3200 K</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>HCI-TT 150 W/830 SUPER 4Y</td>
<td>150.00 W</td>
<td>148.00 W</td>
<td>95 V</td>
<td>1.8 A</td>
<td>17300 lm</td>
<td>≥80</td>
<td>3000 K</td>
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<td></td>
<td></td>
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<tr>
<td>HCI-TT 250 W/830 SUPER 4Y</td>
<td>250.00 W</td>
<td>255.00 W</td>
<td>96 V</td>
<td>2.9 A</td>
<td>32000 lm</td>
<td>≥80</td>
<td>3000 K</td>
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### Dimensions & weight

<table>
<thead>
<tr>
<th>Product description</th>
<th>Nominal luminous flux</th>
<th>Diameter</th>
<th>Length</th>
<th>Product weight</th>
<th>Outer bulb</th>
<th>Overall length</th>
<th>Base (standard designation)</th>
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</thead>
<tbody>
<tr>
<td>HCI-TT 70 W/830 SUPER 4Y</td>
<td>8000 lm</td>
<td>35.0 mm</td>
<td>156.0 mm</td>
<td>50.00 g</td>
<td>T35</td>
<td>150.0 mm</td>
<td>E27</td>
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<tr>
<td>HCI-TT 150 W/830 SUPER 4Y</td>
<td>17300 lm</td>
<td>47.0 mm</td>
<td>210.0 mm</td>
<td>130.00 g</td>
<td>T46</td>
<td>210.0 mm</td>
<td>E40</td>
</tr>
<tr>
<td>HCI-TT 250 W/830 SUPER 4Y</td>
<td>32000 lm</td>
<td>47.0 mm</td>
<td>226.0 mm</td>
<td>140.00 g</td>
<td>T46</td>
<td>226.0 mm</td>
<td>E40</td>
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</table>

### Capabilities

<table>
<thead>
<tr>
<th>Product description</th>
<th>Mercury-free</th>
<th>Dimmable</th>
<th>Energy efficiency class</th>
<th>Energy consumption</th>
<th>Order reference</th>
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</thead>
<tbody>
<tr>
<td>HCI-TT 70 W/830 SUPER 4Y</td>
<td>No</td>
<td>Yes</td>
<td>A+</td>
<td>85 kWh/1000h</td>
<td>HCI-TT 70W/830</td>
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<tr>
<td>HCI-TT 150 W/830 SUPER 4Y</td>
<td>No</td>
<td>Yes</td>
<td>A+</td>
<td>163 kWh/1000h</td>
<td>HCI-TT 150W/830</td>
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<tr>
<td>HCI-TT 250 W/830 SUPER 4Y</td>
<td>No</td>
<td>Yes</td>
<td>A+</td>
<td>281 kWh/1000h</td>
<td>HCI-TT 250W/830</td>
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</tbody>
</table>

1) in combination with POWERTRONIC PTo

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System guarantee

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

Application advice

For more detailed application information and graphics please see product datasheet.
<table>
<thead>
<tr>
<th>Product code</th>
<th>Product description</th>
<th>Packaging unit (Pieces/Unit)</th>
<th>Dimensions (length x width x height)</th>
<th>Volume</th>
<th>Gross weight</th>
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</thead>
<tbody>
<tr>
<td>4052899378339</td>
<td>HCI-TT 70 W/830 SUPER 4Y</td>
<td>Shipping carton box 12</td>
<td>210 mm x 171 mm x 212 mm</td>
<td>7.61 dm³</td>
<td>967.00 g</td>
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<tr>
<td>4052899925014</td>
<td>HCI-TT 150 W/830 SUPER 4Y</td>
<td>Shipping carton box 12</td>
<td>216 mm x 166 mm x 272 mm</td>
<td>9.75 dm³</td>
<td>2208.00 g</td>
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<tr>
<td>4052899081826</td>
<td>HCI-TT 250 W/830 SUPER 4Y</td>
<td>Shipping carton box 12</td>
<td>266 mm x 216 mm x 277 mm</td>
<td>15.92 dm³</td>
<td>2358.00 g</td>
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</table>

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

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.