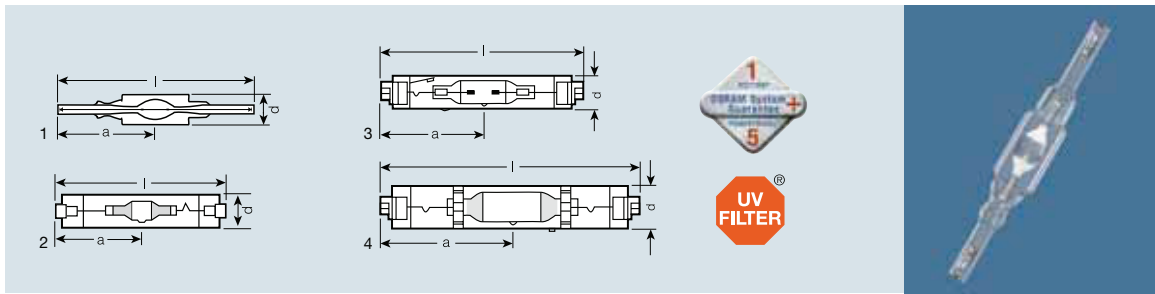


# Metal halide lamps with quartz technology POWERSTAR® HQI®-TS for enclosed luminaires



Product reference	Product number	W	Im		d max. [mm]	l max. [mm]	LCL a [mm]		No.	
<b>POWERSTAR® HQI®-TS EXCELLENCE for enclosed luminaires (NEW)</b>										
HQI-TS 70/WDL EXCELLENCE <sup>1)</sup>	4008321 <b>149619</b>	70	6000	RX7s	19	120	60	12	1	
HQI-TS 70/NDL EXCELLENCE <sup>1)</sup>	4008321 <b>149596</b>	70	6500	RX7s	19	120	60	12	1	
HQI-TS 70/D EXCELLENCE <sup>1)</sup>	4008321 <b>149572</b>	70	6200	RX7s	19	120	60	12	1	
HQI-TS 150/WDL EXCELLENCE <sup>1)</sup>	4008321 <b>149695</b>	150	12000	RX7s-24	23	138	69	12	1	
HQI-TS 150/NDL EXCELLENCE <sup>1)</sup>	4008321 <b>149671</b>	150	12500	RX7s-24	23	138	69	12	1	
HQI-TS 150/D EXCELLENCE <sup>1)</sup>	4008321 <b>149657</b>	150	12000	RX7s-24	23	138	69	12	1	
<b>POWERSTAR® HQI®-TS for enclosed luminaires</b>										
HQI-TS 70/WDL <sup>2)</sup>	4050300 <b>805481</b>	70	5100	RX7s	20	120	60	12	2	
HQI-TS 70/NDL <sup>2)</sup>	4050300 <b>805467</b>	70	5700	RX7s	20	120	60	12	2	
HQI-TS 70/D <sup>2)</sup>	4050300 <b>805566</b>	70	5500	RX7s	20	120	60	12	2	
HQI-TS 150/WDL <sup>2)</sup>	4050300 <b>805528</b>	150	11700	RX7s-24	23	138	69	12	2	
HQI-TS 150/NDL <sup>2)</sup>	4050300 <b>805504</b>	150	12000	RX7s-24	23	138	69	12	2	
HQI-TS 150/D <sup>2)</sup>	4050300 <b>437545</b>	150	12000	RX7s-24	23	138	69	12	2	
Fc2 base										
HQI-TS 250/WDL	4050300 <b>436012</b>	250	22000	Fc2	26	162	81	12	3	
HQI-TS 250/NDL	4050300 <b>436036</b>	250	20000	Fc2	26	162	81	12	3	
HQI-TS 250/D	4050300 <b>436050</b>	250	20000	Fc2	26	162	81	12	3	
HQI-TS 400/NDL <sup>3)</sup>	4050300 <b>304090</b>	400	36000	Fc2	33	206	103	12	4	
HQI-TS 400/D <sup>4)</sup>	4050300 <b>015385</b>	400	37000	Fc2	33	206	103	12	4	

**POWERSTAR® HQI®-TS** lamps are compact double-ended UV-reduced lamps. Approved for use only in enclosed luminaires.

### Benefits of HQI-TS and -TS EXCELLENCE

- High luminous efficacy
- Excellent color rendering properties
- Long life
- High luminous flux
- Low thermal output
- The Warm White DE LUXE color combines well with the light from HALOSTAR® lamps

### Benefits of UV FILTER technology

- Reduced brittleness of the plastics in luminaires
- The UV filter on the lamp meets the requirements of IEC 61167

### POWERSTAR® HQI®-TS EXCELLENCE

Innovative development of the successful HQI-TS lamp in a new design. Fully compatible with previous HQI-TS lamps.

### Benefits of HQI-TS EXCELLENCE

- Better distribution of light
- Easier handling
- Smaller size, greater luminaire efficiency
- Higher luminous flux
- Plus all the benefits of HQI-TS

### Applications

- **Indoors:** Factories, shop interiors, shop windows, foyers, hotels, restaurants, trade fairs, exhibitions, offices, schools, sports halls, etc.
- **Outdoors:** Floodlighting, building facades and monuments

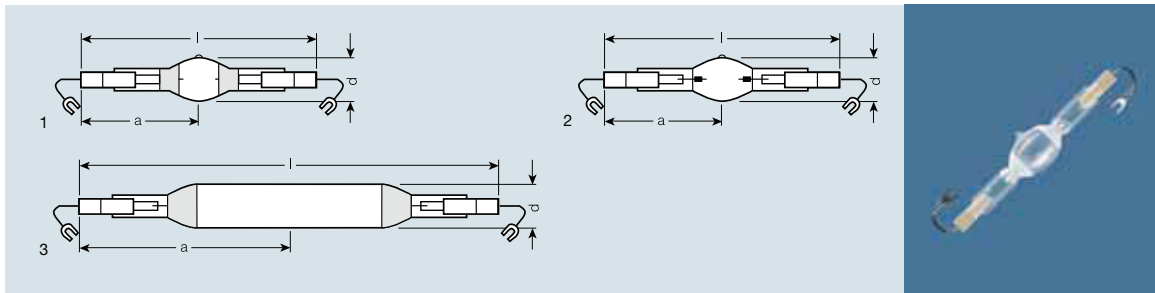


1) In preparation  
2) Will be replaced by HQI-TS Excellence  
3) Operate only with NAV® control gear  
4) Operate with NAV® control gear or HQI® control gear

# Metal halide lamps with quartz technology

## POWERSTAR® HQI®-TS short arc, without outer bulb for encl. luminaires

## POWERSTAR® HQI®-TS long arc, without outer bulb for encl. luminaires



Product reference	Product number	W	lm		d max. [mm]	l max. [mm]	LCL a [mm]		No.	
<b>POWERSTAR® HQI®-TS short arc, without outer bulb for enclosed luminaires</b>										
HQI-TS 1000/NDL/S	4050300349916	1000	90000	K12s-36	36	187	93	10	1	
HQI-TS 1000/D/S	4050300300092	1000	90000	K12s-36	36	187	93	10	1	
HQI-TS 2000/D/S	4050300271682	2000	200000	K12s-36	36	187	93	10	2	
<b>POWERSTAR® HQI®-TS long arc, without outer bulb for enclosed luminaires</b>										
HQI-TS 2000/N/L	4050300607344	2150	230000	K12s-36	32	274	137	10	3	

POWERSTAR® HQI®-TS lamps (1000/2000 W) are compact double-ended UV-reduced lamps with no outer bulb. Approved for use only in enclosed luminaires.

### POWERSTAR® HQI®-TS 2000/D/S POWERSTAR® HQI®-TS 1000/NDL/S

#### Benefits

- Extremely compact for small spotlights with low windage
- Extremely short arc for excellent directional light and very little scatter
- Excellent color rendering
- Can be used with conventional igniters and control gear
- Instant hot restart is possible with a special igniter

#### Applications

- Stadiums, sports halls, wide-area lighting, flood-lighting, solar simulation, material testing

### POWERSTAR® HQI®-TS 2000/N/L

#### Benefits

- Arc length 120 mm
- Ideal for compact floodlights
- Can be used with conventional igniter and control gear

#### Applications

- Semi-professional sports arenas, training facilities, building spotlighting, factory sites