

# Product Information Bulletin

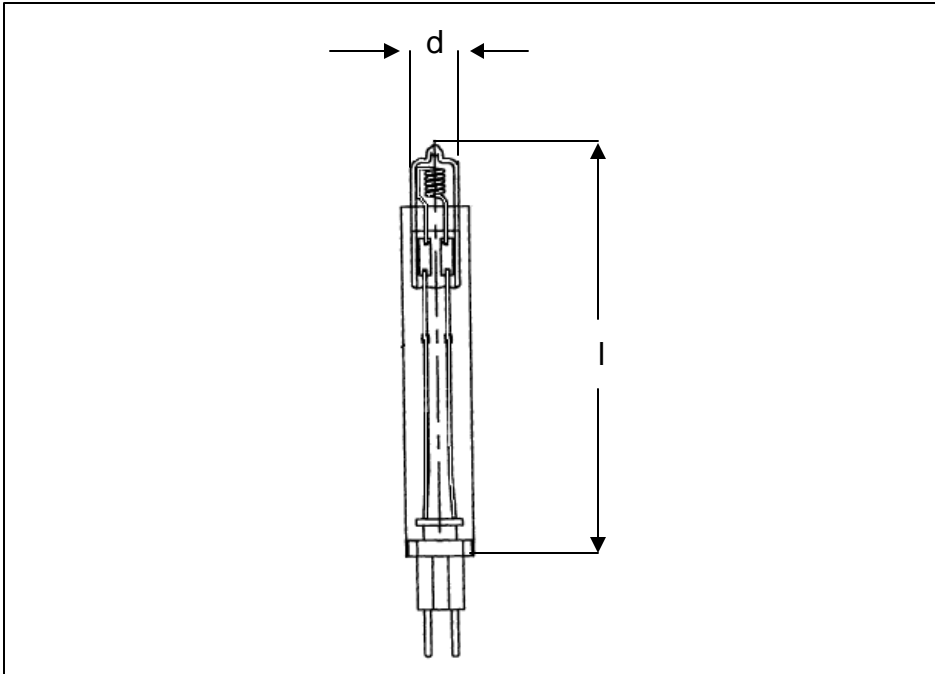
## 410 T3.5Q JKT 2Pin

### Tungsten-Halogen Lamp

hi-Tech lamps

800-229-6509

info@hi-techlamps.com



#### 410 T3.5Q JKT 2 Pin (NAED 54895) Tungsten-Halogen Lamp

- Special purpose heat lamp
- Improved electrical contact and excellent reliability
- Robust coil design that converts roughly 90% of electrical energy into radiant heat
- Easy to adjust and to replace

#### Technical Data

<b>Lamp / order reference</b> (Product ordering number)	<b>410 T3.5Q JKT 2Pin</b> (54895)
<b>Electrical data:</b>	
Rated lamp wattage (power)	410 W
Rated lamp voltage	82 V
<b>Photometric data:</b>	
Luminous flux	10,500 lm
Color temperature	3,250 K
<b>Geometrical data:</b>	
Diameter (d)	11.0 mm
Length l	101.1 mm
<b>Other data:</b>	
Average service life	75 hrs
Base	Stainless tube / 2 Pin
Coil	CC-8
Bulb	T3.5 quartz (clear)
<b>Operating limits:</b>	
max. bulb temperature	1000 °C
min. bulb temperature	250 °C
max. seal temperature	350 °C
Operating position	any

#### Application Information

##### Applications

- Semiconductor Industry
- Rapid Thermal Processing (RTP)
- Heat Processes

##### WARNING

The lamp emits ultraviolet (uv) radiation and operates at high internal pressure. **Before use** read the complete warning accompanying the product.

##### Disposal

When disposing of spent lamps, always consult federal, state, local and provincial hazardous waste disposal rules and regulations to ensure proper disposal.

**OSRAM**

# Product Information Bulletin

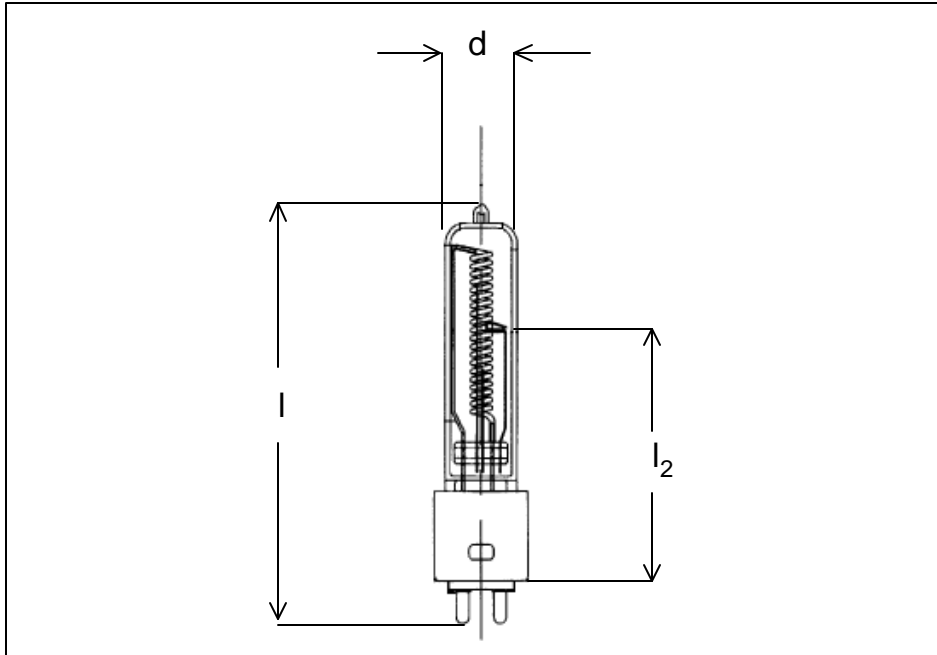
## 1500 T6Q

### Tungsten-Halogen Lamp

Hi-Tech LAMPS

800-229-6509

info@hi-techlamps.com



#### 1500 T6Q (NAED 54896/54884) Tungsten-Halogen Lamp

- Special purpose heat lamp
- Improved electrical contact and excellent reliability
- Robust coil design that converts roughly 90% of electrical energy into radiant heat
- Easy to adjust and to replace

#### Technical Data

<b>Lamp / order reference</b> (Product ordering number)	<b>1500 T6Q</b> (54896/54884)
<b>Electrical data:</b>	
Rated lamp wattage (power)	1,550 W
Rated lamp voltage	230 V
<b>Photometric data:</b>	
Luminous flux	29,000 lm
Color temperature	2,950 K
<b>Geometrical data:</b>	
Length $l_2$ max.	69.9 mm
Length $l$ max.	99 mm
Diameter $d$	20 mm
<b>Other data:</b>	
Average service life	2,000 hrs
Base	G9.5
Coil	CC-8
Bulb	T 6 quartz
<b>Operating limits:</b>	
max. bulb temperature	900 °C
min. bulb temperature	250 °C
max. seal temperature	350 °C
Operating position	Base up

#### Application Information

##### Applications

- Semiconductor industry
- Rapid Thermal Processing (RTP)
- Chemical Vapor Deposition (CVD)
- Heat Processes
  - Ink drying
  - Food warming
  - Paint drying
  - Heat sterilizing
  - Wood processing
  - Compound melting

##### WARNING

The lamp emits ultraviolet (uv) radiation and operates at high internal pressure.

**Before use** read the complete warning accompanying the product.

##### Disposal

When disposing of spent lamps, always consult federal, state, local and provincial hazardous waste disposal rules and regulations to ensure proper disposal.

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## Product Information Bulletin

# 1000QT6RTPFS / 1000QT6RTP2K 1000QT6RTPCRBULK / 1000QT6RTPX

## Tungsten Halogen Lamp

- Special purpose heat lamp
- Improved electrical contact and excellent reliability
- Robust coil design that converts roughly 90% of electrical energy into radiant heat
- Easy to adjust and to replace
- G9.5 (metal or ceramic base)

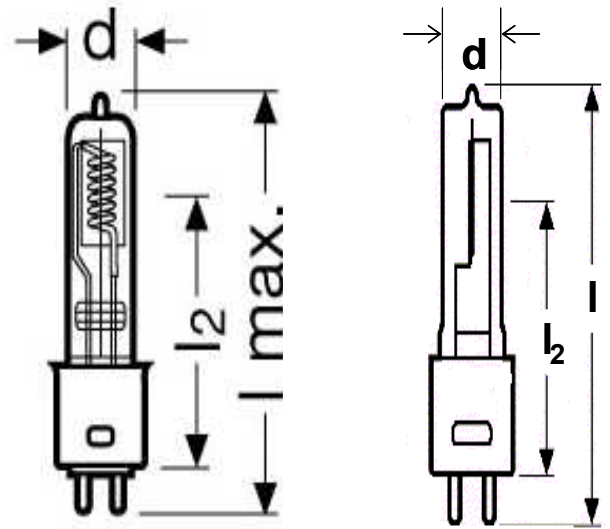


Diagram 1

Diagram 2

## Specification Information

Lamp Ordering Abbreviation Code:	1000QT6 RTPFS (54584)	1000QT6 RTP2K (54590)	1000QT6 RTPCR (54560)	1000QT6 RTPX (54752)	
<b>Diagram number:</b>	1	2	2	1	
<b>Electrical data:</b>					
Rated lamp wattage (power)	1000	1000	1000	1000	W
Rated lamp voltage	120	120	120	120	V
<b>Photometric data:</b>					
Luminous flux	27,500	25,000	25,000	25,000	lm
Color temperature	3,200	2,950	2,950	2,950	K
<b>Geometrical data:</b>					
Diameter (d) max.	20	20	20	20	mm
Length $l_2$ max.	60.3	60.3	60.3	60.3	mm
Length $l$ max.	101	101	101	101	mm
<b>Other data:</b>					
Average service life	300	2,000	2,000	2,000	Hrs.
Base	G9.5 (Alum.)	G9.5 (Cer.)	G9.5 (Cer.)	G9.5 (Alum.)	
Coil	CC-8	CC-8	CC-8	CC-8	
Bulb	T6 quartz	T6 quartz	T6 quartz	T6 quartz	
<b>Lamp operation:</b>					
Maximum bulb temperature	900	900	900	900	°C
Minimum bulb temperature	250	250	250	250	°C
Maximum seal temperature	350	350	350	350	°C

## Application Information

### Applications

- Semiconductor industry
- Rapid Thermal Processing (RTP)
- Chemical vapor deposition (CVD)
- Heat Processes
  - Ink drying
  - Food warming
  - Paint drying
  - Heat sterilizing
  - Wood processing

### WARNING

This lamp emits ultraviolet (UV) radiation and operates at high internal pressure. **Before use** read the complete warning accompanying the product.

### Disposal

When disposing of spent lamps, always consult federal, state, local and provincial hazardous waste disposal rules and regulations to ensure proper disposal.

**hi-Tech lamps**

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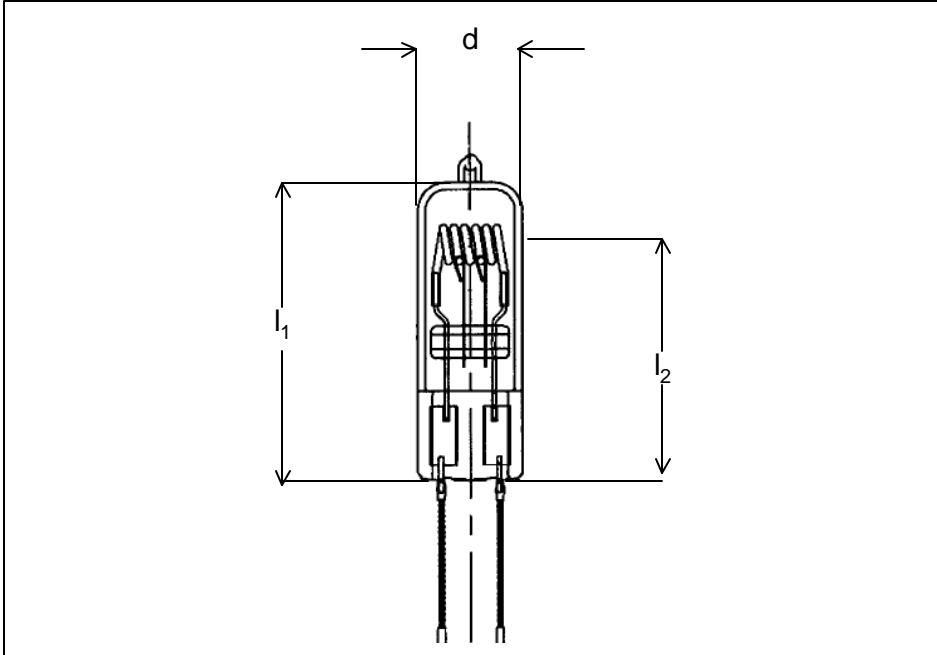
## 850 T6Q

### Tungsten-Halogen Lamp

hi-Tech lamps

800-229-6509

info@hi-techlamps.com



#### 850 T6Q (NAED 54572) Tungsten-Halogen Lamp

- Special purpose heat lamp
- Improved electrical contact and excellent reliability
- Robust coil design that converts roughly 90% of electrical energy into radiant heat
- Easy to adjust and to replace
- Can be operated well below its current rating

#### Technical Data

<b>Lamp / order reference</b> (Product ordering number)	<b>850 T6Q</b> (54572)
<b>Electrical data:</b>	
Rated lamp wattage (power)	850 W
Rated lamp voltage	80 V
<b>Photometric data:</b>	
Color temperature	3,200 K
<b>Geometrical data:</b>	
Diameter d max.	20 mm
Length l <sub>2</sub> max.	42 mm
Length l <sub>1</sub> max.	53 mm
<b>Other data:</b>	
Average service life	300 hrs
Base	1.125 stranded Nickel Lead
Coil	CC-6
Bulb	T-6 quartz
<b>Operating limits:</b>	
max. bulb temperature	900 °C
min. bulb temperature	250 °C
max. seal temperature	450 °C
Operating position	any

#### Application Information

##### Applications

- Semiconductor industry
- Rapid Thermal Processing (RTP)
- Chemical Vapor Deposition (CVD)
- Heat Processes
  - Ink drying
  - Food warming
  - Paint drying
  - Heat sterilizing
  - Wood processing
  - Compound melting

##### WARNING

The lamp emits ultraviolet (uv) radiation and operates at high internal pressure.

**Before use** read the complete warning accompanying the product.

##### Disposal

When disposing of spent lamps, always consult federal, state, local and provincial hazardous waste disposal rules and regulations to ensure proper disposal.

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# Product Information Bulletin

## 2000 T8Q

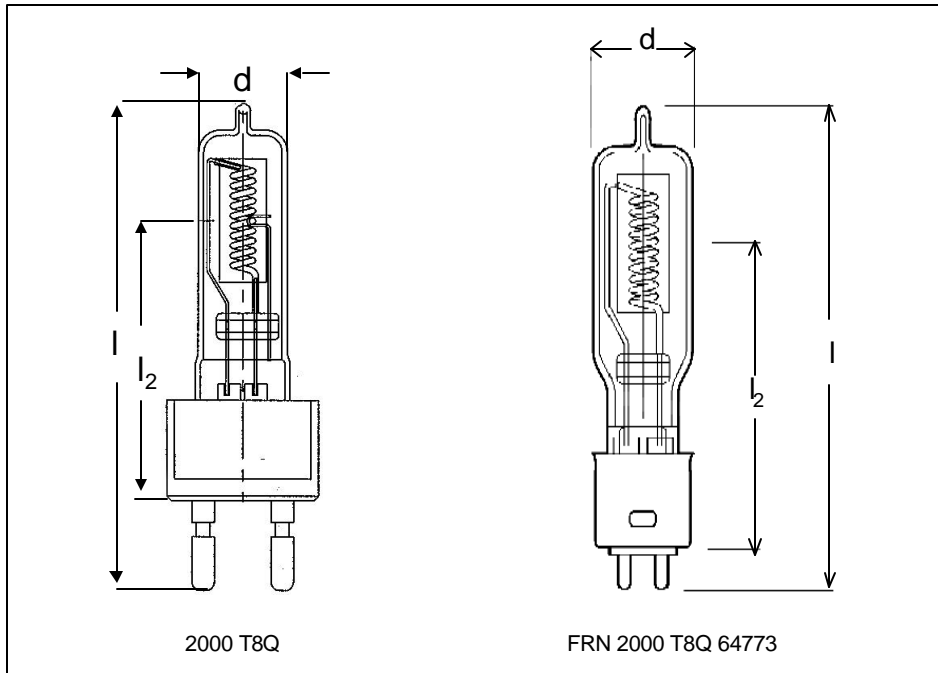
## FRN 2000 T8Q 64773

### Tungsten- Halogen Lamps

Hi-Tech lamps

800-229-6509

info@hi-techlamps.com



### 2000 T8Q (NAED 54577)

### FRN 2000 T8Q 64773 (NAED 54588)

#### Tungsten-Halogen Lamps

- Special purpose heat lamp
- Improved electrical contact and excellent reliability
- Robust coil design that converts roughly 90% of electrical energy into radiant heat
- Easy to adjust
- Choice of G9.5 metal or G22 ceramic base

#### Technical Data

Lamp / order reference (Product ordering number)	2000 T8Q (54577)	FRN 2000 T8Q 64773 (54588)	
<b>Electrical data:</b>			
Rated lamp wattage (power)	2000	2000	W
Rated lamp voltage	120	120	V
<b>Photometric data:</b>			
Luminous flux	56,500	56,500	lm
Color temperature	3,200	3,200	K
<b>Geometrical data:</b>			
Diameter d max.	27	27	mm
Length l max.	142.4	125	mm
Length l <sub>2</sub>	77.5	77.5	mm
<b>Other data:</b>			
Average service life	350	200	hrs
Base	G22	G9.5	
Coil	CC-8	CC-8	
Bulb	T-8 quartz	T-8 quartz	
<b>Operating limits:</b>			
max. bulb temperature	900	900	°C
min. bulb temperature	250	250	°C
max. seal temperature	350	350	°C
Operating position	any	any	

#### Application Information

##### Applications

- Semiconductor Industry
- Rapid Thermal Processing (RTP)
- Chemical Vapor Deposition (CVD)
- Heat Processes
  - Ink drying
  - Food warming
  - Paint drying
  - Heat sterilizing
  - Wood processing
  - Compound melting

##### WARNING

The lamp emits ultraviolet (uv) radiation and operates at high internal pressure. **Before use** read the complete warning accompanying the product.

##### Disposal

When disposing of spent lamps, always consult federal, state, local and provincial hazardous waste disposal rules and regulations to ensure proper disposal.

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