

# P-VIP Replacement Lamps



**OSRAM** 

# P-VIP Replacement Lamps Agenda

- **P-VIP® and VIP® after sales lamps**
- General description
- New after sales lamps
- Existing after sales lamps
- Instruction for use

# P-VIP MD TV Replacement Lamps

Lamp type	Cat.	Box size, pcs.	EAN 10 (1pcs)	IC
P-VIP 100-120/1.3 E23ha	TV	50	4008321 194 909	518 59A 002G
P-VIP 100-120/1.0 P22ha	TV	50	4008321 194 923	518 62F 002G
P-VIP 120-132/1.0 P22ha	TV	50	4008321 194 947	518 63B 002G
<b>P-VIP 120-132/1.0 E22ha</b>	<b>TV</b>	<b>50</b>	<b>4008321 126 641</b>	<b>482 47E01HM</b>
P-VIP 100-120/1.0 E22ha	TV	50	4008321 221 582	535 073 002G
P-VIP 100-120/1.0 E23ha	TV	50	4008321 221 568	535 05B 002G
<b>P-VIP 100-120/1.3 E23a</b>	<b>TV</b>	<b>50</b>	<b>4008321 901323</b>	<b>542 930 002G</b>
<b>P-VIP 132-150/1.0 E22ha</b>	<b>TV</b>	<b>50</b>	<b>4008321 244260</b>	<b>542 94D 002G</b>
<b>P-VIP 132-150/1.0 E23ha</b>	<b>TV</b>	<b>50</b>	<b>4008321 244284</b>	<b>542 959 002G</b>
<b>P-VIP 100-120/1.3 P23a</b>	<b>TV</b>	<b>50</b>	<b>4008321 243614</b>	<b>541 559 0187</b>

# P-VIP FP Replacement Lamps

Lamp type	Cat.	Box size, pcs.	EAN 10 (1pcs)	IC
P-VIP 150/1.0 P21.5a	FP	50	4008321 228666	538 118 002G
VIP R 120/P12a	FP	60	4008321 195 067	518 694 002G
VIP R 120/P16a	FP	50	4008321 194 985	518 653 002G
VIP R 150/P16a	FP	50	4008321 195 005	518 661 002G
P-VIP 150/1.3 E21.5a	FP	50	4008321 194 961	518 647 002G
VIP R 150/P22a	FP	50	4008321 195 029	518 67C 002G
P-VIP 180/1.0 E20a	FP	50	4008321 195 081	518 700 002G
P-VIP 200/1.0 P21.5a	FP	50	4008321 195 043	518 688 002G
<b>P-VIP 200/1.0 E17.5a</b>	<b>FP</b>	<b>60</b>	<b>4008321 242235</b>	<b>544 77A 002G</b>
P-VIP 200/1.0 E19a	FP	60	4008321 195 104	518 71D 002G
<b>P-VIP 250/1.3 E21.8a</b>	<b>FP</b>	<b>50</b>	<b>4008321 257 291</b>	<b>A54256C002G</b>

# P-VIP Replacement Lamps Agenda

- P-VIP® and VIP® after sales lamps
- **General description**
- New after sales lamps
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# P-VIP Replacement Lamps Advantages

- Supreme efficiency P-VIP<sup>®</sup> and VIP<sup>®</sup> lamps
- Highest quality meeting the strict quality demands of the CE and IT industries
- From leading player in the market

# P-VIP® Technical Aspects

- Technology Discharge lamps with Mercury-halogen gas
- Lamp power 100 – 250 W AC
- Lumen yield > 60 lm / W
- Pressure cold lamp: 100 mbar  
hot lamp: up to 250 bar
- Burner temperature operating: up to 1200 °C  
typical cool down < 5 min.
- Pre-materials
  - Burner Glass: ultra pure quartz glass  
Electrodes: Tungsten
  - Reflector Glass, coated with dichroic mirror

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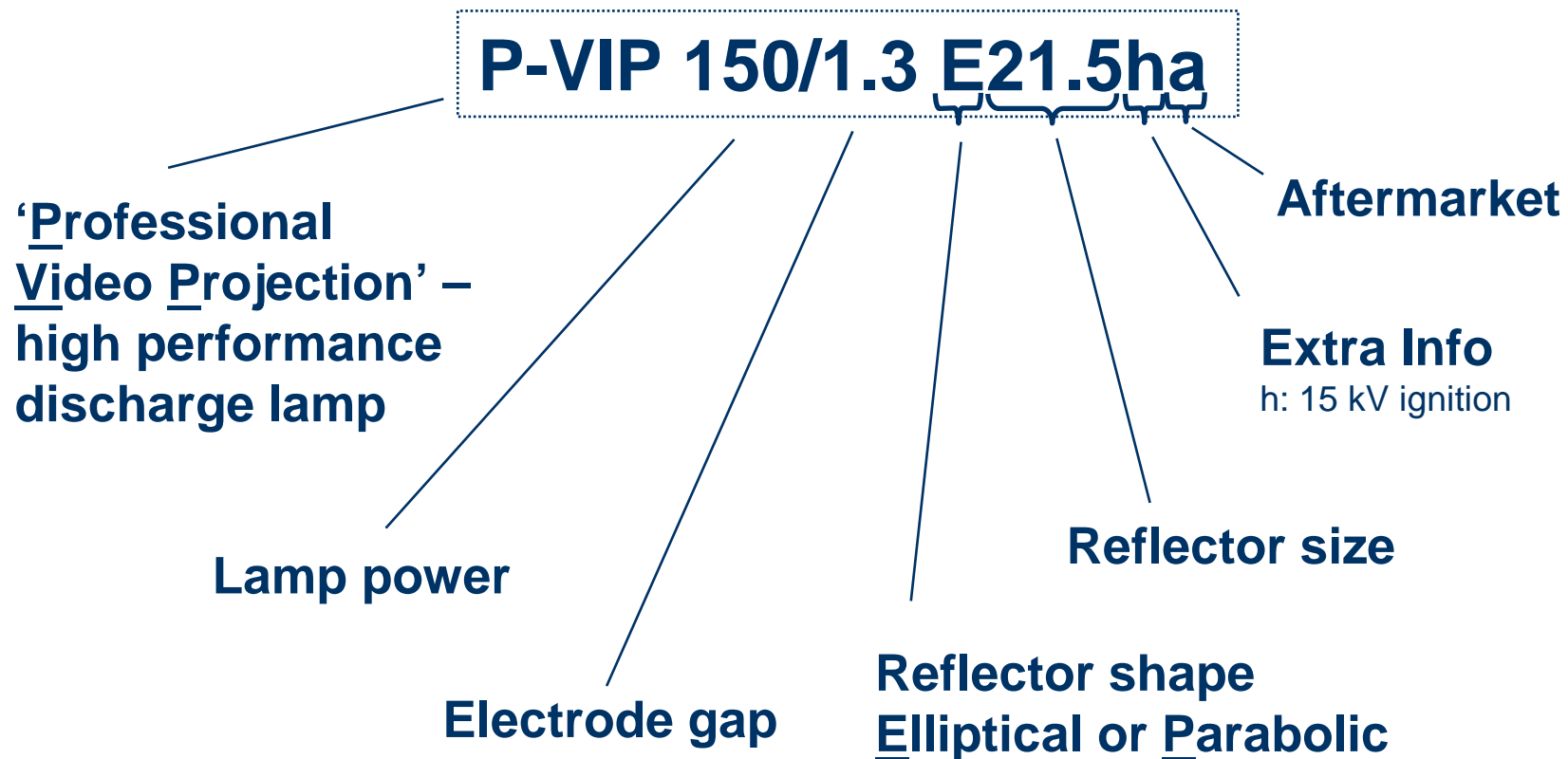
a) Valid for P-VIP and VIP R lamps

DO DIS

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Subject to alteration  
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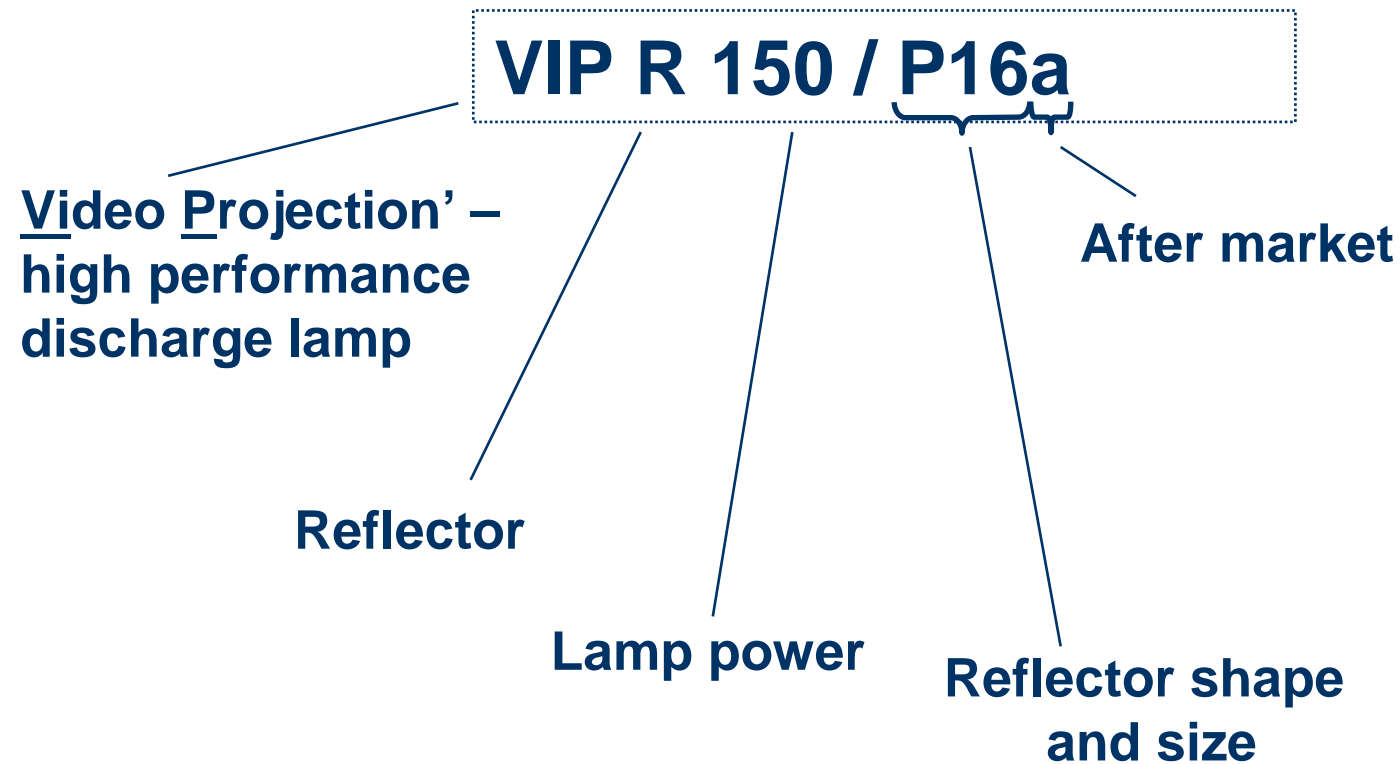


# P-VIP® Lamp Naming





# P-VIP® Lamp Naming



# P-VIP Replacement Lamps Agenda

- P-VIP® and VIP® after sales lamps
- General description
- **New after sales lamps**
- Existing after sales lamps
- Instruction for use

# Lamp P-VIP 120-132/1.0 E22ha

- |                                  |                   |
|----------------------------------|-------------------|
| ▪ Category                       | MD TV             |
| ▪ Reflector                      | E22 – elliptic    |
| ▪ Arc gap                        | 1.0 mm            |
| ▪ Power range                    | 120 – 132 W       |
| ▪ Ignition                       | 15 – 18 kV        |
| ▪ Light output typ. <sup>a</sup> | 5,900 lm @ 132 W  |
| ▪ Average Life time <sup>b</sup> | > 6,000 h @ 132 W |
| ▪ Environmental                  | Complies RoHS     |



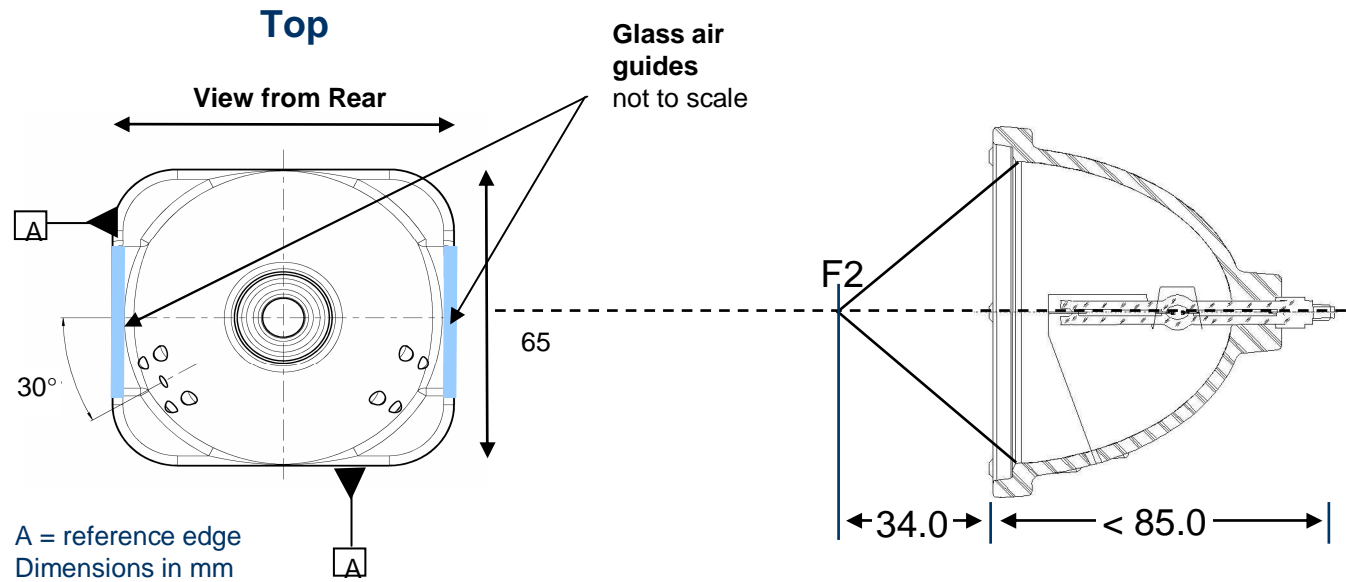
a) observed in working distance through  $\varnothing$  6 mm aperture

b) when operated on OSRAM lamp driver PT VIP 01 RP

# Lamp P-VIP 120-132/1.0 E22ha

Contour	E22 – elliptic
working distance	34.0 mm
Reflector glass	borosilicate

Lamp design	
front glass	yes
air inlets	tooled air gaps
location contact 1 <sup>a</sup>	central at base
location contact 2 <sup>a</sup>	04:00 o'clock



# Lamp P-VIP 100-120/1.3 E23a

- |                                  |                   |
|----------------------------------|-------------------|
| ▪ Category                       | MD TV             |
| ▪ Reflector                      | E23 – elliptic    |
| ▪ Arc gap                        | 1.3 mm            |
| ▪ Power range                    | 100 – 120 W       |
| ▪ Ignition                       | 5 – 7 kV          |
| ▪ Light output typ. <sup>a</sup> | 5,200 lm @ 120 W  |
| ▪ Average Life time <sup>b</sup> | > 6,000 h @ 120 W |
| ▪ Environmental                  | Complies RoHS     |



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a) observed in working distance through  $\varnothing$  6 mm aperture

b) when operated on OSRAM lamp driver PT VIP 2AC/380 O1

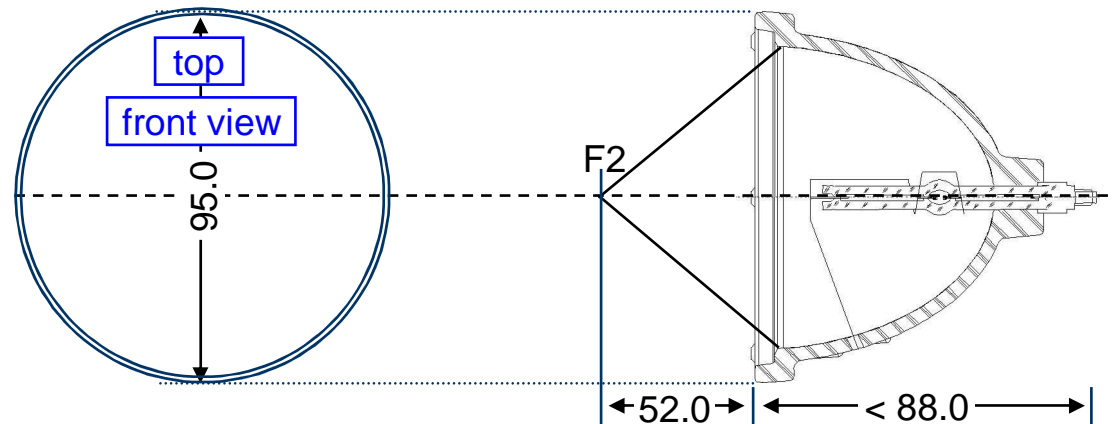
# Lamp P-VIP 100-120/1.3 E23a

Contour	E23 – elliptic
working distance	52.0 mm
Reflector glass	borosilicate

Lamp design	
front glass	yes
air inlets	no, lamp closed
location contact 1 <sup>a</sup>	central at base
location contact 2 <sup>a</sup>	03:00 o'clock

a) viewed from front

dimensions in mm



# Lamp P-VIP 132-150/1.0 E22ha

- |                                  |                  |
|----------------------------------|------------------|
| ▪ Category                       | MD TV            |
| ▪ Reflector                      | E22 – elliptic   |
| ▪ Arc gap                        | 1.0 mm           |
| ▪ Power range                    | 132 – 150 W      |
| ▪ Ignition                       | 15 – 18 kV       |
| ▪ Light output typ. <sup>a</sup> | 6,500 lm @ 150 W |
| ▪ Average Life time <sup>b</sup> | 6,000 h @ 150 W  |
| ▪ Environmental                  | Complies RoHS    |



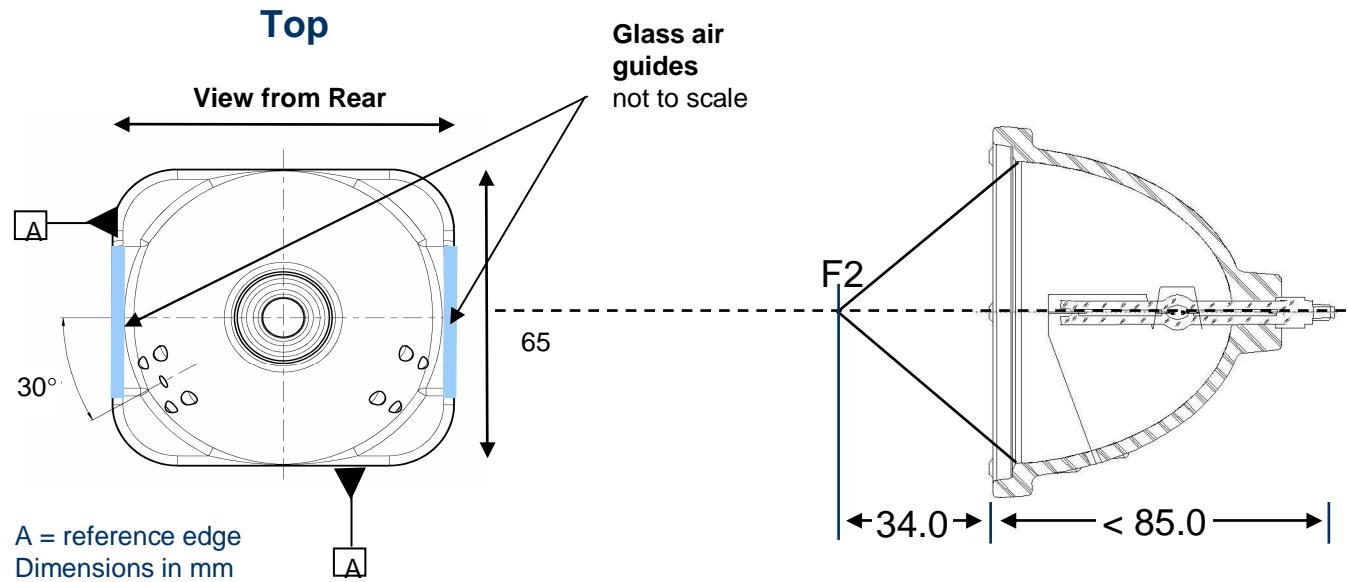
a) observed in working distance through  $\varnothing$  6 mm aperture

b) when operated on OSRAM lamp driver PT VIP 01 RP

# Lamp P-VIP 132-150/1.0 E22ha

Contour	E22 – elliptic
working distance	34.0 mm
Reflector glass	borosilicate

Lamp design	
front glass	yes
air inlets	tooled air gaps
location contact 1 <sup>a</sup>	central at base
location contact 2 <sup>a</sup>	04:00 o'clock





# Lamp P-VIP 132-150/1.0 E23ha

- |                                  |                  |
|----------------------------------|------------------|
| ▪ Category                       | MD TV            |
| ▪ Reflector                      | E23 – elliptic   |
| ▪ Arc gap                        | 1.0 mm           |
| ▪ Power range                    | 132 – 150 W      |
| ▪ Ignition                       | 15 – 18 kV       |
| ▪ Light output typ. <sup>a</sup> | 6,500 lm @ 150 W |
| ▪ Average Life time <sup>b</sup> | 6,000 h @ 150 W  |
| ▪ Environmental                  | Complies RoHS    |



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a) observed in working distance through  $\varnothing$  6 mm aperture

b) when operated on OSRAM lamp driver PT VIP O1RP

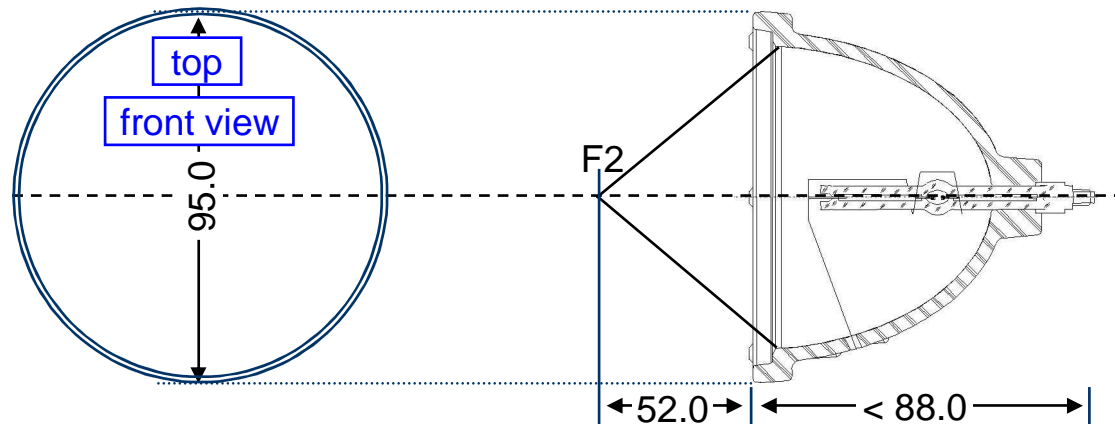
# Lamp P-VIP 100-120/1.0 E23ha

Contour	E23 – elliptic
working distance	52.0 mm
Reflector glass	borosilicate

Lamp design	
front glass	yes
air inlets	no, lamp closed
location contact 1 <sup>a</sup>	central at base
location contact 2 <sup>a</sup>	03:00 o'clock

a) viewed from front

dimensions in mm



# Lamp P-VIP 100-120/1.3 P23a

- |                                  |                  |
|----------------------------------|------------------|
| ▪ Category                       | MD TV            |
| ▪ Reflector                      | P23 – parabolic  |
| ▪ Arc gap                        | 1.3 mm           |
| ▪ Power range                    | 100 – 120 W      |
| ▪ Ignition                       | 15 – 18 kV       |
| ▪ Light output typ. <sup>a</sup> | 4,400 lm @ 120 W |
| ▪ Average Life time <sup>b</sup> | 6,000 h @ 120 W  |
| ▪ Environmental                  | Complies RoHS    |



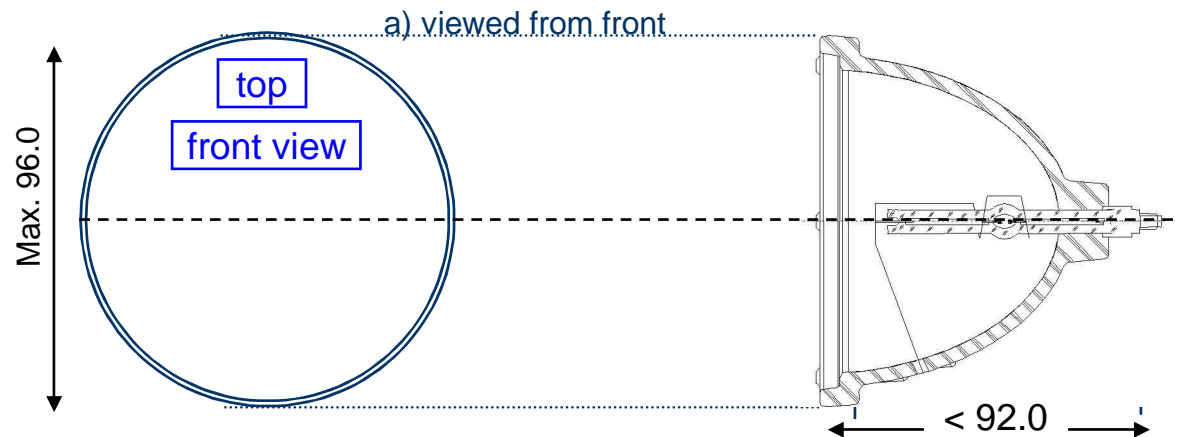
- 
- a) observed in 900 mm distance through  $\varnothing$  95 mm aperture  
b) when operated on OSRAM lamp driver PT VIP 2AC/380 O1

# Lamp P-VIP 100-120/1.3 P23a

Contour	P23 – parabolic
working distance	infinite
Reflector glass	borosilicate

Lamp design	
front glass	yes
air inlets	no
location contact 1 <sup>a</sup>	central at base
location contact 2 <sup>a</sup>	04:30 o'clock

dimensions in mm



# Lamp P-VIP 200/1.0 E17.5a

- Category FP
- Reflector E17.5 – elliptic
- Arc gap 1.0 mm
- Rated power 200 W
- Ignition 16 kV
- Light output typ.<sup>a</sup> 6,300 lm @ 200 W
- Average Life time<sup>b</sup> 2,000 h @ 200 W
- Environmental Complies RoHS



- 
- a) observed in working distance through 5.0 x 3.8 mm<sup>2</sup> rectangular aperture
- b) when operated on OSRAM lamp driver PT VIP 3 AC/380 O3

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Subject to alteration**  
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# Lamp P-VIP 200/1.0 E17.5a

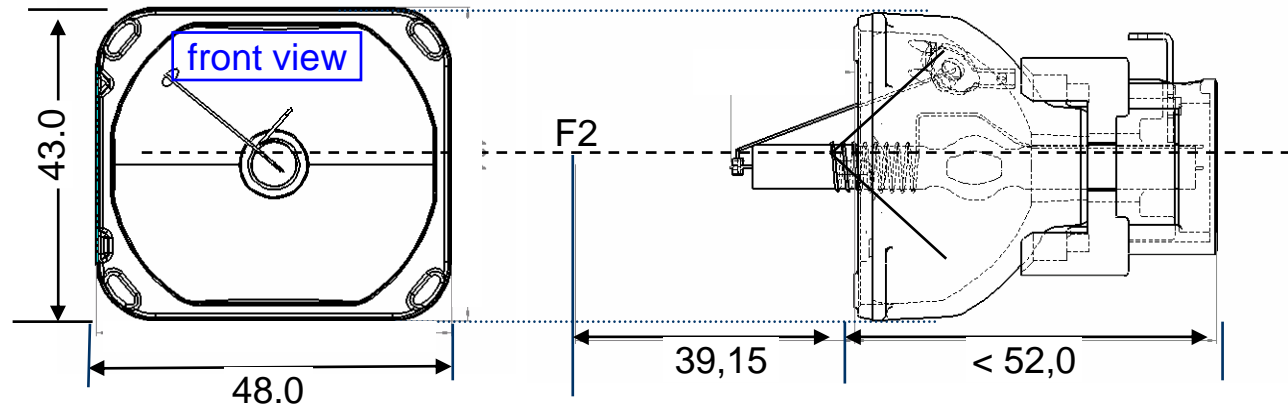
Contour	E17.5 – elliptic
working distance	39.15 mm
Reflector glass	borosilicate

Lamp design	
front glass	no
air inlets <sup>a</sup>	no
location contact 1 <sup>a</sup>	Side at base
location contact 2 <sup>a</sup>	10:30 o'clock

top

a) viewed from front

dimensions in mm



# Lamp P-VIP 250/1.3 E21.8a

- |                                  |                    |
|----------------------------------|--------------------|
| ▪ Category                       | FP                 |
| ▪ Reflector                      | E21.8 – elliptical |
| ▪ Arc gap                        | 1.3 mm             |
| ▪ Rated power                    | 250 W              |
| ▪ Ignition                       | 5 kV               |
| ▪ Light output typ. <sup>a</sup> | 8.600 lm @ 250 W   |
| ▪ Average Life time <sup>b</sup> | > 2,000 h @ 250 W  |
| ▪ Environmental                  | Complies RoHS      |



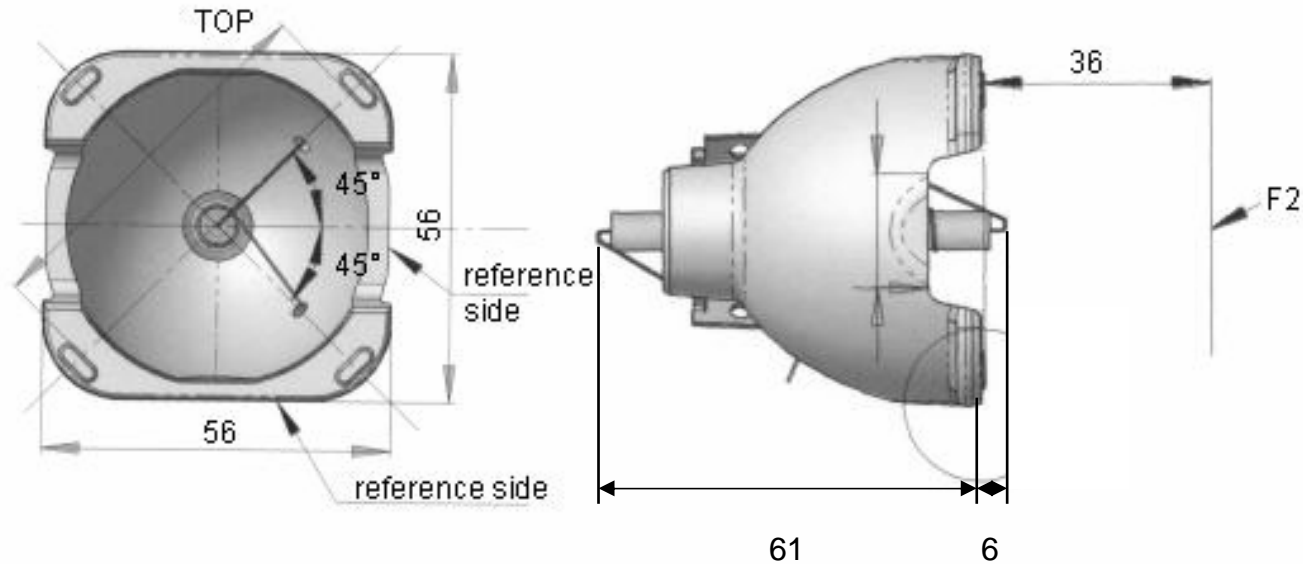
a) observed in working distance through 5.0 x 3.8 mm<sup>2</sup> rectangular aperture

b) when operated on OSRAM lamp driver PT VIP 5AC/380 O4

# Lamp P-VIP 250/1.3 E21.8a

Contour	E21.82 – elliptical
working distance	36.0 mm
Reflector glass	Cristalized
Lamp lenght	67 mm

Lamp design	
front glass	yes
air inlets	air gaps
location contact 1 <sup>a</sup>	central at base
location contact 2 <sup>a</sup>	04:00 o'clock





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# Lamp P-VIP 100-120/1.0 E23ha

- |                                  |                   |
|----------------------------------|-------------------|
| ▪ Category                       | MD TV             |
| ▪ Reflector                      | E23 – elliptic    |
| ▪ Arc gap                        | 1.3 mm            |
| ▪ Power range                    | 100 – 120 W       |
| ▪ Ignition                       | 15 – 18 kV        |
| ▪ Light output typ. <sup>a</sup> | 5,200 lm @ 120 W  |
| ▪ Average Life time <sup>b</sup> | > 6,000 h @ 120 W |
| ▪ Environmental                  | Complies RoHS     |



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a) observed in working distance through  $\varnothing$  6 mm aperture

b) when operated on OSRAM lamp driver PT VIP 2AC/380 O1

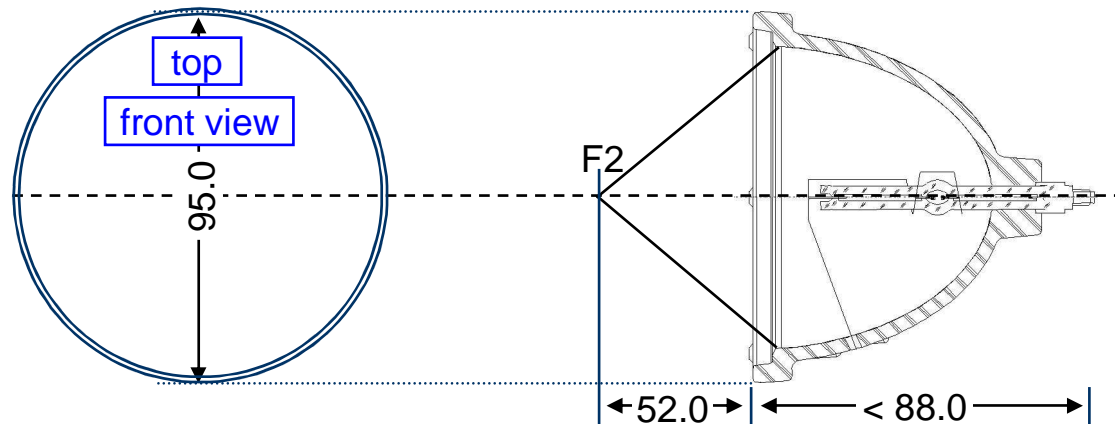
# Lamp P-VIP 100-120/1.0 E23ha

Contour	E23 – elliptic
working distance	52.0 mm
Reflector glass	borosilicate

Lamp design	
front glass	yes
air inlets	no, lamp closed
location contact 1 <sup>a</sup>	central at base
location contact 2 <sup>a</sup>	03:00 o'clock

a) viewed from front

dimensions in mm



# Lamp P-VIP 100-120/1.0 E22ha

- |                                  |                   |
|----------------------------------|-------------------|
| ▪ Category                       | MD TV             |
| ▪ Reflector                      | E22 – elliptic    |
| ▪ Arc gap                        | 1.0 mm            |
| ▪ Power range                    | 100 – 120 W       |
| ▪ Ignition                       | 15 – 18 kV        |
| ▪ Light output typ. <sup>a</sup> | 5,200 lm @ 120 W  |
| ▪ Average Life time <sup>b</sup> | > 6,000 h @ 120 W |
| ▪ Environmental                  | Complies RoHS     |



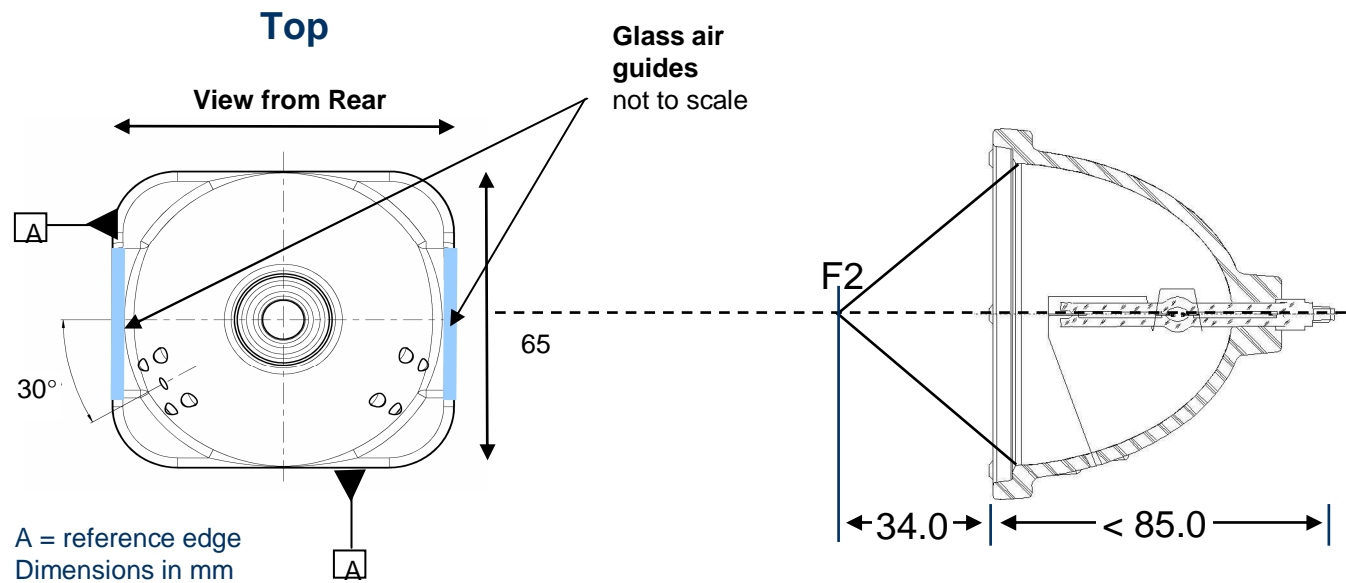
a) observed in working distance through  $\varnothing$  6 mm aperture

b) when operated on OSRAM lamp driver PT VIP 01 RP

# Lamp P-VIP 100-120/1.0 E22ha

Contour	E22 – elliptic
working distance	34.0 mm
Reflector glass	borosilicate

Lamp design	
front glass	yes
air inlets	tooled air gaps
location contact 1 <sup>a</sup>	central at base
location contact 2 <sup>a</sup>	04:00 o'clock



# Lamp P-VIP 150/1.0 P21.5a

- Category FP
- Reflector P21.5 – parabolic
- Arc gap 1.0 mm
- Power range 150 W
- Ignition 5 kV
- Light output typ.<sup>a</sup> 5,300 lm @ 150 W
- Average Life time<sup>b</sup> 1,500 h @ 150 W
- Environmental Complies RoHS



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a) observed in 900 mm distance through  $\varnothing$  95 mm aperture

b) when operated on OSRAM lamp driver PT VIP 150AC/380 O1

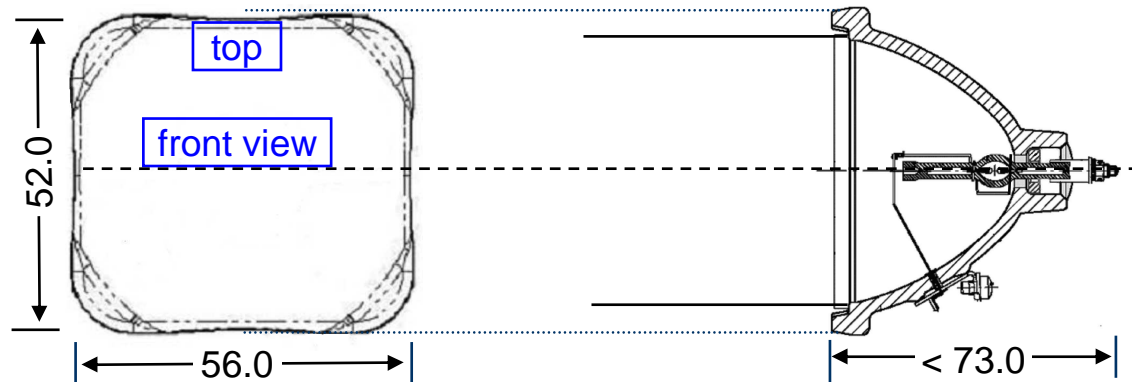
# Lamp P-VIP 150/1.0 P21.5a

Contour	P21.5 – parabolic
working distance	infinite
Reflector glass	crystallized

Lamp design	
front glass	yes
air inlets	4 x, on all four sides
location contact 1 <sup>a</sup>	04:30 o'clock
location contact 2 <sup>a</sup>	07:30 o'clock

a) viewed from front

dimensions in mm



# Lamp P-VIP 100-120/1.3 E23ha

- |                                  |                   |
|----------------------------------|-------------------|
| ▪ Category                       | MD TV             |
| ▪ Reflector                      | E23 – elliptic    |
| ▪ Arc gap                        | 1.3 mm            |
| ▪ Power range                    | 100 – 120 W       |
| ▪ Ignition                       | 15 – 18 kV        |
| ▪ Light output typ. <sup>a</sup> | 5,200 lm @ 120 W  |
| ▪ Average Life time <sup>b</sup> | > 6,000 h @ 120 W |
| ▪ Environmental                  | Complies RoHS     |



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a) observed in working distance through  $\varnothing$  6 mm aperture

b) when operated on OSRAM lamp driver PT VIP 2AC/380 O1



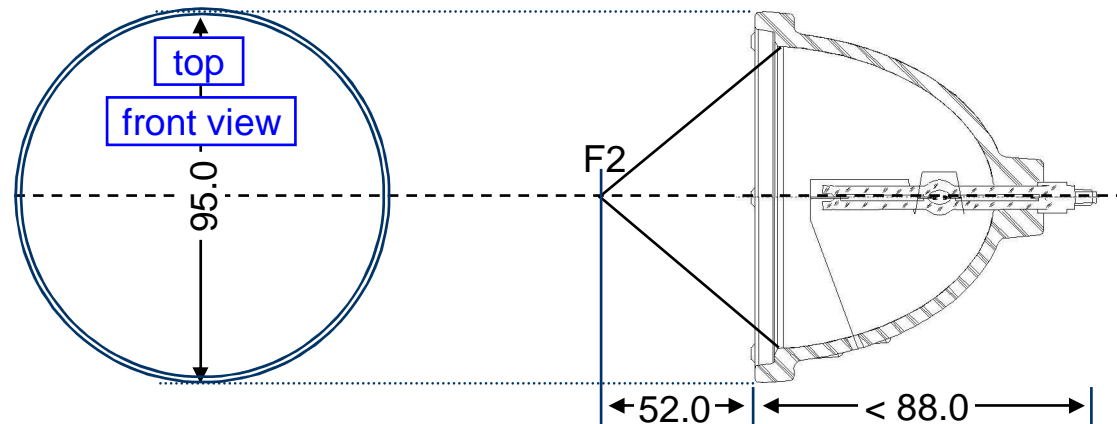
# Lamp P-VIP 100-120/1.3 E23ha

Contour	E23 – elliptic
working distance	52.0 mm
Reflector glass	borosilicate

Lamp design	
front glass	yes
air inlets	no, lamp closed
location contact 1 <sup>a</sup>	central at base
location contact 2 <sup>a</sup>	03:00 o'clock

a) viewed from front

dimensions in mm



# Lamp P-VIP 100-120/1.0 P22ha

- Category MD TV
- Reflector P22 – parabolic
- Arc gap 1.0 mm
- Power range 100 – 120 W
- Ignition 15 – 18 kV
- Light output typ.<sup>a</sup> 3,800 lm @ 120 W
- Average Life time<sup>b</sup> > 6,000 h @ 120 W
- Environmental Complies RoHS



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a) observed in 2400 mm distance through  $\varnothing$  160 mm aperture

b) when operated on OSRAM lamp driver PT VIP 2AC/380 O1

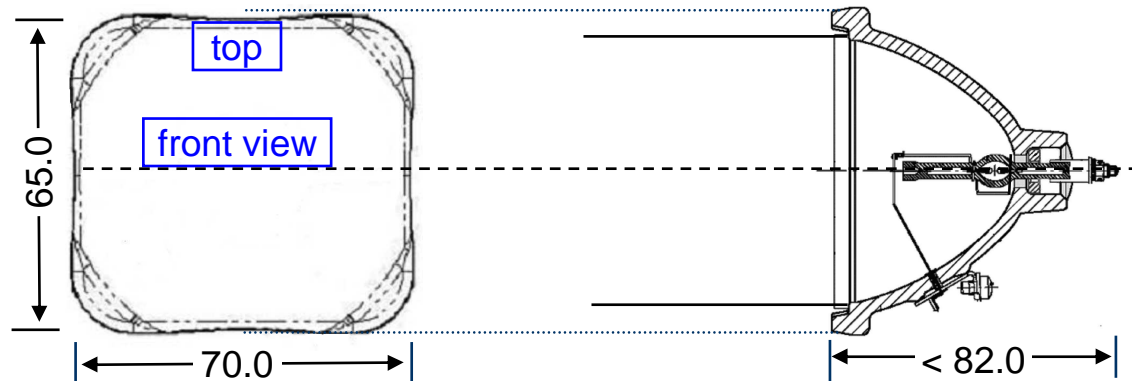
# Lamp P-VIP 100-120/1.0 P22ha

Contour	P22 – parabolic
working distance	infinite
Reflector glass	borosilicate

Lamp design	
front glass	yes
air inlets	no, lamp closed
location contact 1 <sup>a</sup>	central at base
location contact 2 <sup>a</sup>	04:30 o'clock

a) viewed from front

dimensions in mm



# Lamp P-VIP 120-132/1.0 P22ha

- |                                  |                   |
|----------------------------------|-------------------|
| ▪ Category                       | MD TV             |
| ▪ Reflector                      | P22 – parabolic   |
| ▪ Arc gap                        | 1.0 mm            |
| ▪ Power range                    | 120 – 132 W       |
| ▪ Ignition                       | 15 – 18 kV        |
| ▪ Light output typ. <sup>a</sup> | 4,500 lm @ 132 W  |
| ▪ Average Life time <sup>b</sup> | > 6,000 h @ 132 W |
| ▪ Environmental                  | Complies RoHS     |



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a) observed in 2400 mm distance through  $\varnothing$  160 mm aperture

b) when operated on OSRAM lamp driver PT VIP O1 RP 132

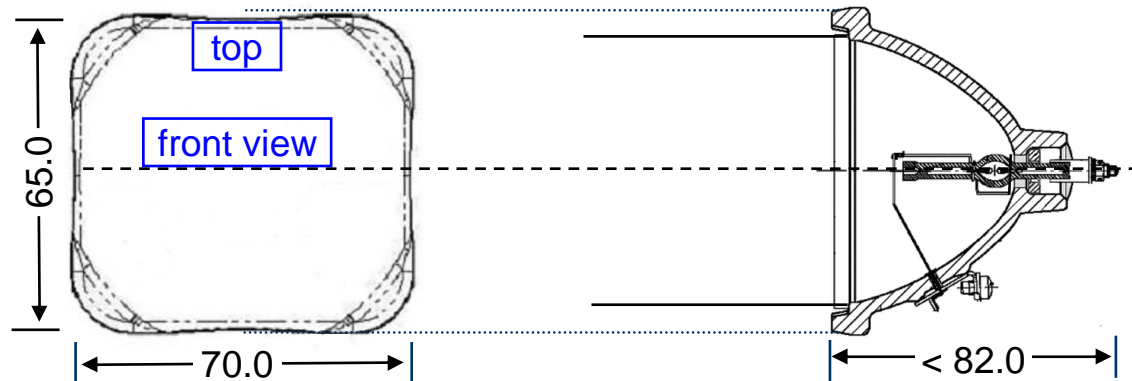
# Lamp P-VIP 120-132/1.0 P22ha

Contour	P22 – parabolic
working distance	infinite
Reflector glass	borosilicate

Lamp design	
front glass	yes
air inlets	1 x TOP, 1 x BOTTOM
location contact 1 <sup>a</sup>	central at base
location contact 2 <sup>a</sup>	04:30 o'clock

a) viewed from front

dimensions in mm



# Lamp VIP R 120/P12a

- |                                  |                   |
|----------------------------------|-------------------|
| ▪ Category                       | FP                |
| ▪ Reflector                      | E18 – elliptic    |
| ▪ Arc gap                        | 1.0 mm            |
| ▪ Rated power                    | 120 – 132 W       |
| ▪ Ignition                       | 5 kV              |
| ▪ Light output typ. <sup>a</sup> | 4,900 lm @ 132 W  |
| ▪ Average Life time <sup>b</sup> | > 3,000 h @ 132 W |
| ▪ Environmental                  | Complies RoHS     |



a) observed in working distance through 5.0 x 3.8 mm<sup>2</sup> rectangular aperture

b) when operated on OSRAM lamp driver PT VIP 120AC/100-240 Q1

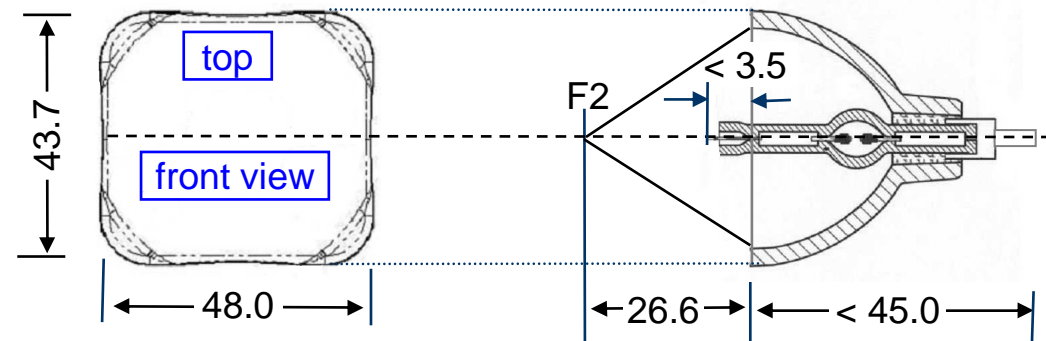
# Lamp VIP R 120/P12a

Contour	E18 – elliptic
working distance	26.6 mm
Reflector glass	borosilicate

Lamp design	
front glass	no
air inlets	burner extends over reflector rim
location contact 1 <sup>a</sup>	10:30 o'clock
location contact 2 <sup>a</sup>	01:30 o'clock

a) viewed from front

dimensions in mm



# Lamp VIP R 120/P16a

- |                                  |                  |
|----------------------------------|------------------|
| ▪ Category                       | FP               |
| ▪ Reflector                      | P16 – elliptic   |
| ▪ Arc gap                        | 1.0 mm           |
| ▪ Rated power                    | 120 W            |
| ▪ Ignition                       | 20 kV            |
| ▪ Light output typ. <sup>a</sup> | 4,400 lm @ 120 W |
| ▪ Average Life time <sup>b</sup> | >1,500 h @ 120 W |
| ▪ Environmental                  | Complies RoHS    |



a) observed in working distance through 5.0 x 3.8 mm<sup>2</sup> rectangular aperture

b) when operated on OSRAM lamp driver PT VIP 120AC/100-240 H

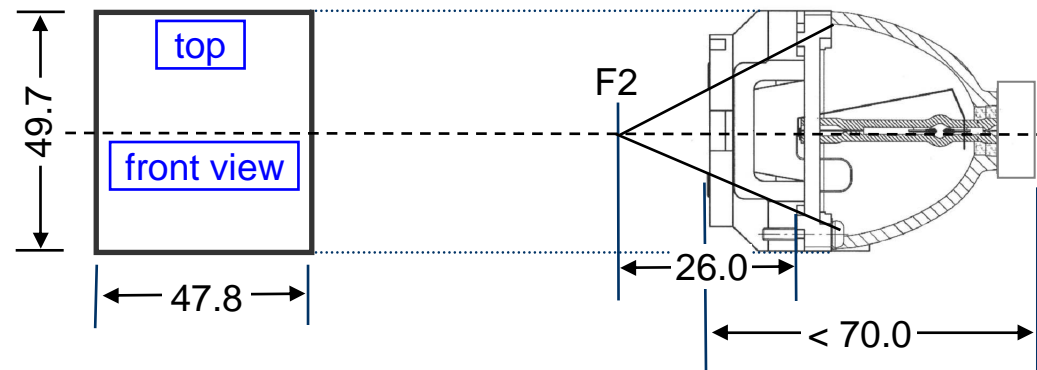


# Lamp VIP R 120/P16a

Contour	P16 – elliptic
working distance	26.0 mm
Reflector glass	borosilicate

Lamp design	
front glass	front cap incl. front glass
air inlets	1 x left, 1 x right
HV contacting	70/100 mm leads with plug attached to lamp
HV plug	SMK 101CCT-92-01 male

dimensions in mm



# Lamp VIP R 150/P16a

- Category FP
- Reflector P16 – elliptic
- Arc gap 1.3 mm
- Rated power 150 W
- Ignition 20 kV
- Light output typ.<sup>a</sup> 5,200 lm @ 150 W
- Average Life time<sup>b</sup> >3,000 h @ 150 W
- Environmental Complies RoHS



a) observed in working distance through 5.0 x 3.8 mm<sup>2</sup> rectangular aperture

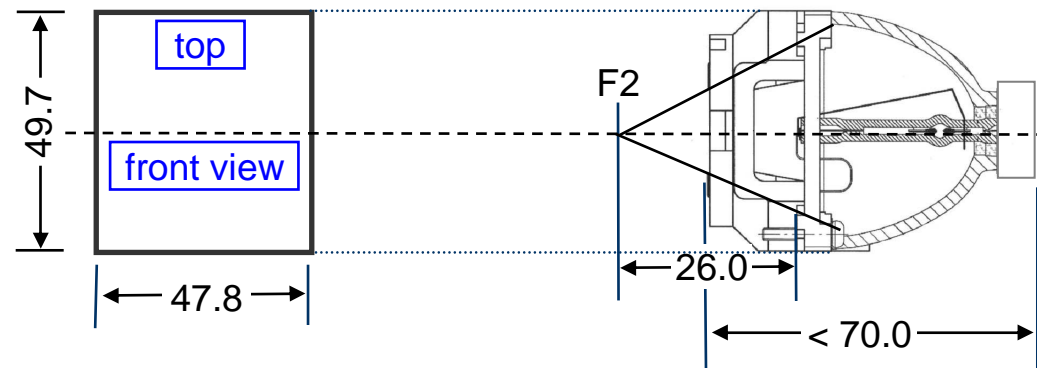
b) when operated on OSRAM lamp driver PT VIP 150AC/100-240 H2

# Lamp VIP R 150/P16a

Contour	P16 – elliptic
working distance	26.0 mm
Reflector glass	borosillicate

Lamp design	
front glass	front cap incl. front glass
air inlets	1 x left, 1 x right
HV contacting	70/100 mm leads with plug attached to lamp
HV plug	SMK 101CCT-92-01 male

dimensions in mm



# Lamp P-VIP 150/1.3 E21.5a

- |                                  |                   |
|----------------------------------|-------------------|
| ▪ Category                       | FP                |
| ▪ Reflector                      | E21.5 – elliptic  |
| ▪ Arc gap                        | 1.3 mm            |
| ▪ Rated power                    | 150 W             |
| ▪ Ignition                       | 16 kV             |
| ▪ Light output typ. <sup>a</sup> | 5,500 lm @ 150 W  |
| ▪ Average Life time <sup>b</sup> | > 2,500 h @ 150 W |
| ▪ Environmental                  | Complies RoHS     |



a) observed in working distance through 5.0 x 3.8 mm<sup>2</sup> rectangular aperture

b) when operated on OSRAM lamp driver PT VIP 150AC/100-240 H1

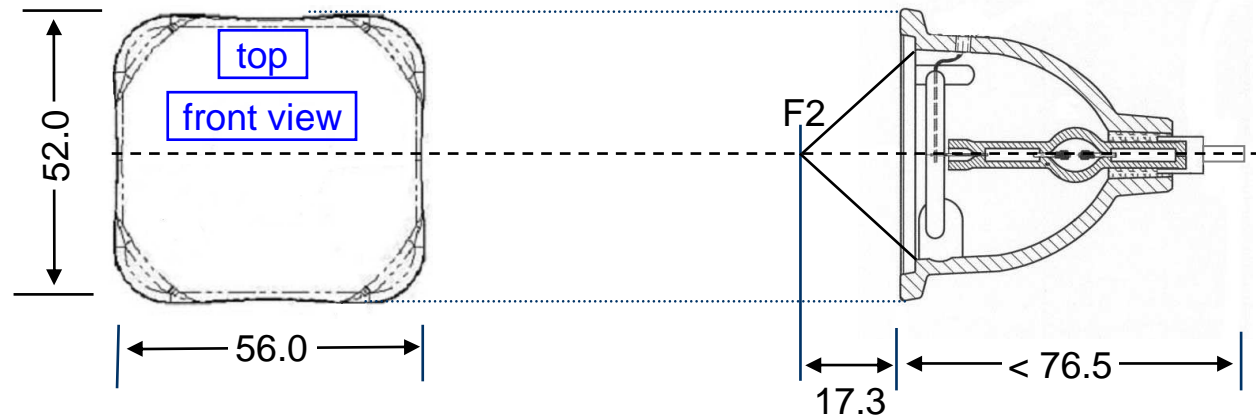
# Lamp P-VIP 150/1.3 E21.5a

Contour	E21.5 – elliptic
working distance	17.3 mm
Reflector glass	borosilicate

Lamp design	
front glass	yes
air inlets <sup>a</sup>	slot on left side
location contact 1 <sup>a</sup>	central at base
location contact 2 <sup>a</sup>	01:30 o'clock

a) viewed from front

dimensions in mm



# Lamp VIP R 150/P22a

- |                                  |                 |
|----------------------------------|-----------------|
| ▪ Category                       | FP              |
| ▪ Reflector                      | P22 – parabolic |
| ▪ Arc gap                        | 1.3 mm          |
| ▪ Power range                    | 150 W           |
| ▪ Ignition                       | 16 kV           |
| ▪ Light output typ. <sup>a</sup> | 3800 lm @ 150 W |
| ▪ Average Life time <sup>b</sup> | 1000 h @ 150 W  |
| ▪ Environmental                  | Complies RoHS   |



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a) observed in 900 mm distance through  $\varnothing$  95 mm aperture

b) when operated on OSRAM lamp driver PT VIP 150AC/100-240 H1

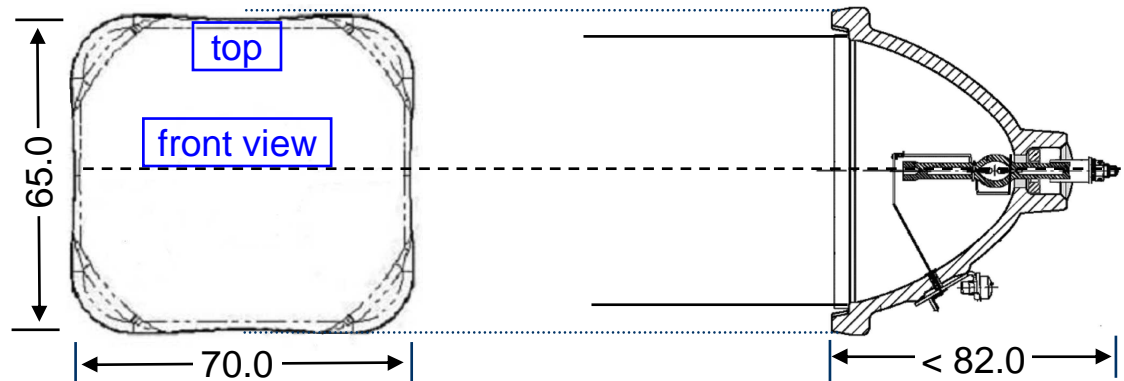
# Lamp VIP R 150/P22a

Contour	P22 – parabolic
working distance	infinite
Reflector glass	borosilicate

Lamp design	
front glass	yes
air inlets	no, lamp closed
location contact 1 <sup>a</sup>	central at base
location contact 2 <sup>a</sup>	4:30 o'clock

a) viewed from front

dimensions in mm



# Lamp P-VIP 180/1.0 E20a

- |                                  |                    |
|----------------------------------|--------------------|
| ▪ Category                       | FP                 |
| ▪ Reflector                      | E20 – elliptic     |
| ▪ Arc gap                        | 1.0 mm             |
| ▪ Rated power                    | 180 W; Dimm: 156 W |
| ▪ Ignition                       | 5 kV               |
| ▪ Light output typ. <sup>a</sup> | 6,800 lm @ 180 W   |
| ▪ Average Life time <sup>b</sup> | >3,000 h @ 180 W   |
| ▪ Environmental                  | Complies RoHS      |



a) observed in working distance through 5.0 x 3.8 mm<sup>2</sup> rectangular aperture

b) when operated on OSRAM lamp driver PT VIP 180AC/100-240 H1

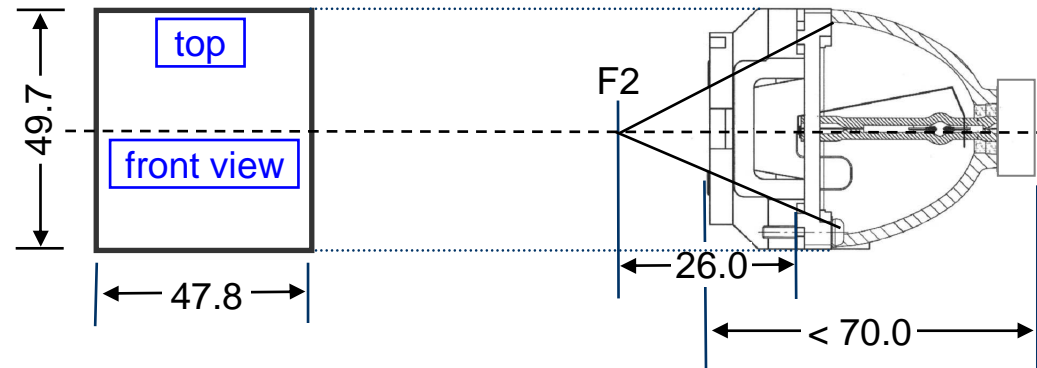


# Lamp P-VIP 180/1.0 E20a

Contour	E20 – elliptic
working distance	26.0
Reflector glass	borosilicate

Lamp design	
front glass	front cap incl. front glass
air inlets	1 x left, 1 x right
HV contacting	100/100 mm leads with plug attached to lamp
HV plug	SMK 101CCT-92-01 male

dimensions in mm



# Lamp P-VIP 200/1.0 P21.5a

- Category FP
- Reflector P21.5 – parabolic
- Arc gap 1.0 mm
- Power range 200 W, Dimm: 160W
- Ignition 5 kV
- Light output typ.<sup>a</sup> 8,000 lm @ 200 W
- Average Life time<sup>b</sup> 1,500 h @ 200 W
- Environmental Complies RoHS



a) observed in 900 mm distance through  $\varnothing$  95 mm aperture

b) when operated on OSRAM lamp driver PT VIP 3AC/380 O3

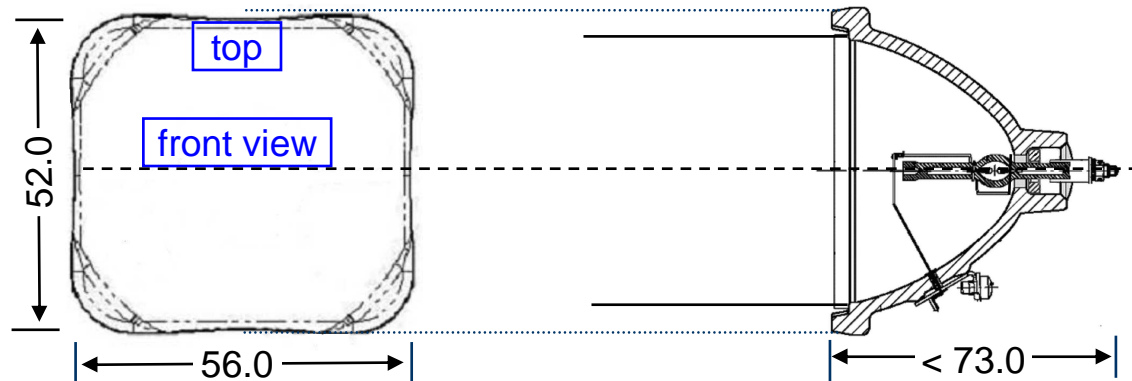
# Lamp P-VIP 200/1.0 P21.5a

Contour	P21.5 – parabolic
working distance	infinite
Reflector glass	crystallized

Lamp design	
front glass	yes
air inlets	4 x, on all four sides
location contact 1 <sup>a</sup>	04:30 o'clock
location contact 2 <sup>a</sup>	07:30 o'clock

a) viewed from front

dimensions in mm



# Lamp P-VIP 200/1.0 E19a

- |                                  |                  |
|----------------------------------|------------------|
| ▪ Category                       | FP               |
| ▪ Reflector                      | E19 – elliptic   |
| ▪ Arc gap                        | 1.0 mm           |
| ▪ Power range                    | 200 W            |
| ▪ Ignition                       | 2.5 – 5 kV       |
| ▪ Light output typ. <sup>a</sup> | 8,200 lm @ 200 W |
| ▪ Average Life time <sup>b</sup> | 2,500 h @ 200 W  |
| ▪ Environmental                  | Complies RoHS    |



a) observed in working distance through 5.0 x 3.8 mm<sup>2</sup> rectangular aperture

b) when operated on OSRAM lamp driver PT VIP O3 MID 200

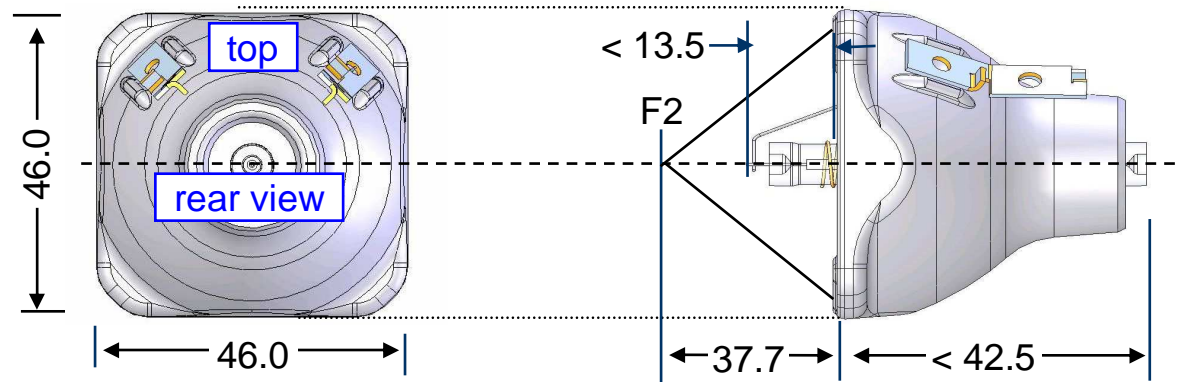
# Lamp P-VIP 200/1.0 E19a

Contour	E19 – elliptic
working distance	37.7 mm
Reflector glass	crystallized

Lamp design	
front glass	no
air inlets	burner extends over reflector rim
location contact 1 <sup>a</sup>	10:30 o'clock
location contact 2 <sup>a</sup>	01:30 o'clock

a) viewed from front

dimensions in mm



# P-VIP Replacement Lamps Agenda

- P-VIP® and VIP® after sales lamps
- General description
- New after sales lamps
- Existing after sales lamps
- **Instruction for use**

# P-VIP Instruction for Use

## For lamp replacement

- switch off power,
- disconnect mains supply,
- disconnect power cord,
- allow lamp to reach room temperature.

## This P-VIP® lamp

- operates at high pressure and at high temperature and may unexpectedly shatter.
- generates ultraviolet radiation which may cause skin and eye irritation with prolonged exposure.
- must be operated only in suitably designed, enclosed fixtures which prevent direct observation of the arc and will prevent lamp fragments from exiting, in the unlikely event of a lamp rupture.

# P-VIP Instruction for Use

- **Do not touch the lamp with bare hands.**
- **If necessary, lamp can be cleaned with lint free towel before operation.**
- **Protect lamp environment against high ignition pulses**  
**Front projection max. 8 kV and rear projection max. 23 kV**
- **Avoid direct contact of objects to reflector cover glass.**
- **This lamp must not be operated with a broken, cracked or loose reflector or cover glass.**
- **Fast on-off-cycles will reduce lamp life ( 10 min on/off)**
- **Operate lamp only in accordance with UL 1950 regulations.**
- **Avoid back-reflection of light into burner.**



# P-VIP Instruction for Use

## Disposal

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

## Caution

- This lamp emits ultra violet (UV) radiation and operates at high pressure. This lamp may only be used in enclosed fixtures that comply with UL1572. Due to the high luminous efficacy, the UV radiation which the lamp emits and the high pressure within the lamp, P-VIP® lamps may only be operated within enclosed, purpose-built housings.