

P-VIP OSRAM Replacement Lamp - EasyLamp GmbH

Characteristics of P-VIP[®] Lamps^a

- Technology Discharge lamps with mercury-halogene gas
- Lamp power 100 – 200 W AC
- Lumen yield > 60 lm / W
- Pressure cold lamp: 100 mbar
hot lamp: 250 bar
- Burner temperature operating: up to 1200 °C
typ. time to cool down (convective): < 5 min.
- Prematerials
 - Burner Glass: ultra pure quarzglass
Electrodes: tungsten
 - Reflector Glass, coated with dichroic mirror
- Design categories Projectors and Microdisplay TVs

a) also apply for all VIP R lamps of the aftermarket trade portfolio

P-VIP OSRAM Lamps for Replacement

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. ^a | 5,200 lm @ 120 W |
| ▪ Average Life time ^b | > 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 2AC/380 O1

P-VIP OSRAM Lamps for Replacement

Lamp P-VIP 100-120/1.0 P22ha

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



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

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

P-VIP OSRAM Lamps for Replacement

Lamp P-VIP 120-132/1.0 P22ha

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



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

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

P-VIP OSRAM Lamps for Replacement

Lamp VIP R 120/P12a

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



a) observed in working distance through 5.0 x 3.8 mm² rectangular aperture

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

P-VIP OSRAM Lamps for Replacement

Lamp VIP R 120/P16a

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



a) observed in working distance through 5.0 x 3.8 mm² rectangular aperture

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

P-VIP OSRAM Lamps for Replacement

Lamp VIP R 150/P16a

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



a) observed in working distance through 5.0 x 3.8 mm² rectangular aperture

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

P-VIP OSRAM Lamps for Replacement

Lamp P-VIP 150/1.3 E21.5a

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



a) observed in working distance through 5.0 x 3.8 mm² rectangular aperture

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

P-VIP OSRAM Lamps for Replacement

Lamp VIP R 150/P22a

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



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

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

P-VIP OSRAM Lamps for Replacement

Lamp P-VIP 180/1.0 E20a

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



a) observed in working distance through 5.0 x 3.8 mm² rectangular aperture

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

P-VIP OSRAM Lamps for Replacement

Lamp P-VIP 200/1.0 P21.5a

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|----------------------------------|-------------------|
| ▪ Category | FP |
| ▪ Reflector | P21.5 – parabolic |
| ▪ Arc gap | 1.0 mm |
| ▪ Power range | 200 W, Dimm: 160W |
| ▪ Ignition | 5 kV |
| ▪ Light output typ. ^a | 8,000 lm @ 200 W |
| ▪ Average Life time ^b | 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

P-VIP OSRAM Lamps for Replacement

Lamp P-VIP 200/1.0 E19a

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



a) observed in working distance through 5.0 x 3.8 mm² rectangular aperture

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