

Germicidal Medium Pressure

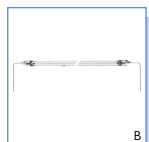


Medium Pressure-High power, small footprint

Medium Pressure Mercury lamps are available in a wide range with an arc length between 10 and 140 centimeter. The lamps can be fitted with various types of end fitting from our catalogue, or equipped with customer special fittings, cables or pins. The lamps are made from selected types of quartz glass, with transmission characteristics tailored to the application. Medium Pressure Mercury lamps contain sophisticated quantities of mercury bromides, providing a self-cleaning halogen cycle, to control the depreciation of UV radiation over lamp life.

Product Benefits

- Security of effective disinfection over the complete lifetime of the lamp



- High system efficacy because it is not required to over-design the purification system to maintain effectiveness of disinfection
 - The unique P3 technology allows for more design freedom, longer lamp life, better lifetime reliability (reduced early failures) and better performance
 - Lamps can be custom made
- ### Product Features
- Short-wave UV radiation with a peak at 253.7 nm (UVC) for disinfection
 - Precisely dosed quantities of mercury bromides providing a self-cleaning halogen cycle to ensure constant UV output over the complete lifetime of the lamp
 - Available with patented P3 (Philips Pinch Protection) technology to secure optimal lifetime behavior including higher heat tolerance on the pinch

- HOK /80 and /120 lamps can be loaded up to 80 and 120 W respectively per cm of arc length
- Horizontal burning position $\pm 10^\circ$
- Different dimensions available on request

Application

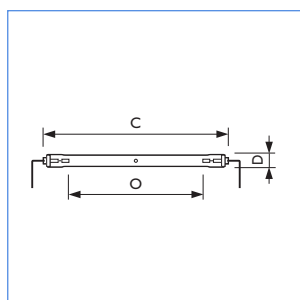
- Deactivation of bacteria, viruses and other micro-organisms
- Water treatment (waste-, drinking- or process water)
- Surface treatment
- Advanced oxidation (with special quartz glass)
- Ship ballast water treatment

System

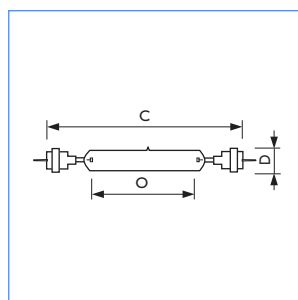
- A choke and ignitor can be used at up to 2 kW lamp power
- A transformer-type circuit is required for lamp powers over 2 kW
- Information on electronic drivers available on request

Type	Technical Type	Execution	Additional Information	Packing type	Packing configuration	Cap-Base	Dim. no.	Photo letter	Ordering number
HTK	7/30			ICT	4	C22	1	B	871150019672945
HOK	20/100			ICT	6	RX15sp	2		871829115468600
HOK	20/100			ICT	6	C14X	3	A	871150018870010
HOK	25/120	PP	D	ICT	6	RX15sp	4	C	871829115914800
HOK	25/120	PP	D	UNP	25	RX15sp	4	C	872790094272900
HOK	35/120			ICT	4	SK32	5	D	871150019386545
HOK	50/120			ICT	4	SK32	6	D	871150019389645
HOK	65/120			ICT	4	SK32	7	D	871150019363645
HOK	65/80			ICT	4	SK32	8	D	871150018867045
HOK	105/120			ICT	4	SK32	9	D	871150019357545
HOK	140/80			ICT	4	SK32	10	D	871150018852645

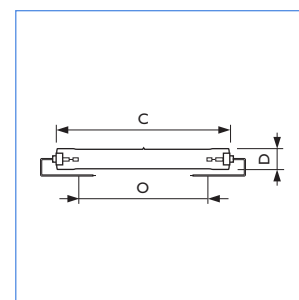
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Dim. no.	C max.	D max.	O nom.
1	773	16	700

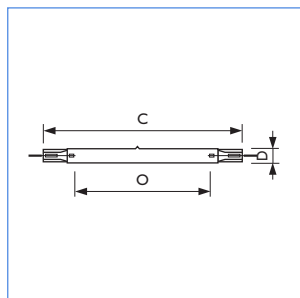


Dim. no.	C max.	D max.	O nom.
2	305	23	200

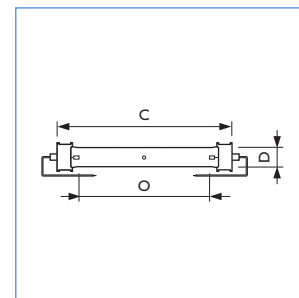


Dim. no.	C max.	D max.	O nom.
3	254	24	200

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Dim. no.	C max.	D max.	O nom.
4	367	21.6	250



Dim. no.	C max.	D max.	O nom.
5	428	24	350
6	580	24	500
7	717	24	650
8	716	24	650
9	1137	24	1050
10	1486	24	1400

Additional technical data

Product name	Lamp Voltage	Lamp Current
	(V)	(A)
HOK 25/120 PP D	440	7.00
HOK 20/100	245	9.60
HTK 7/30	1400	1.63
HOK 20/100	245	9.60
HOK 35/120	490	10.30
HOK 50/120	670	10.00
HOK 65/80	840	6.60
HOK 65/120	840	10.30
HOK 105/120	1350	9.90
HOK 140/80	1850	6.50

Product name	Cap-Base Information	Dimmable	Main Application	Operating Position
HOK 25/120 PP D	Cable 250mm	no	Curing	p10
HOK 20/100	Cable 250mm	no	Industrial UV	p10
HTK 7/30	Cable 100mm	no	Disinfection	p10
HOK 20/100	Cable 250mm	no	Industrial UV	p10
HOK 35/120	Cable 250mm	no	Industrial UV	p10
HOK 50/120	Cable 250mm	no	Industrial UV	p10
HOK 65/80	-	no	Industrial UV	p10
HOK 65/120	Cable 250mm	no	Industrial UV	p10
HOK 105/120	Cable 250mm	no	Industrial UV	p10
HOK 140/80	-	no	Industrial UV	p10

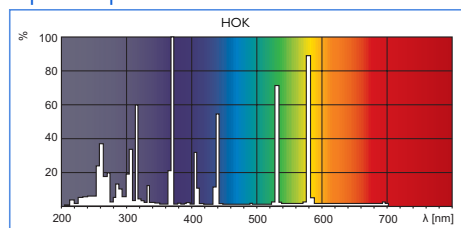
Logistic data

Product name	Packing type	Packing type description	Packs per outer box	Packing configuration
HOK 25/120 PP D	ICT	1 Carton	6	6
HOK 25/120 PP D	UNP	Unpacked	25	25
HOK 20/100	ICT	1 Carton	6	6
HTK 7/30	ICT	1 Carton	4	4
HOK 20/100	ICT	1 Carton	6	6
HOK 35/120	ICT	1 Carton	4	4
HOK 50/120	ICT	1 Carton	4	4
HOK 65/80	ICT	1 Carton	4	4
HOK 65/120	ICT	1 Carton	4	4
HOK 105/120	ICT	1 Carton	4	4
HOK 140/80	ICT	1 Carton	4	4

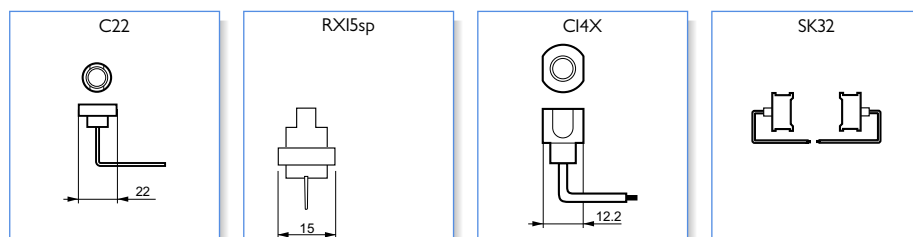
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Product name	Quantity per pack	Packing length (mm)	Packing width (mm)	Packing height (mm)	Gross weight per piece (g)	Net weight per piece (g)
HOK 25/120 PP D	I	460	180	140	237	120
HOK 25/120 PP D	I	395	299	147	148	120
HOK 20/100	I	460	180	140	235	111
HTK 7/30	I	900	170	170	460	85
HOK 20/100	I	460	180	140	229	75
HOK 35/120	I	756	233	229	700	150
HOK 50/120	I	756	233	229	725	200
HOK 65/80	I	1056	233	229	800	225
HOK 65/120	I	1056	233	229	800	225
HOK 105/120	I	1351	233	229	1025	325
HOK 140/80	I	1656	233	229	1250	400

Spectral power distribution



Cap/base



Additional extended technical data

Product name	Ignition Time (sec. [max.])	Re-ignition Time (min. [max.])	Run Time (h [max.])	Consumed Watt per cm (W/cm)
HOK 25/120 PP D	10	10	-	120
HOK 20/100	10	10	0.083	100
HTK 7/30	10	10	-	30
HOK 20/100	10	10	0.016	100
HOK 35/120	10	10	0.083	120
HOK 50/120	10	10	0.083	120
HOK 65/80	10	10	0.083	80
HOK 65/120	10	10	0.083	120
HOK 105/120	10	10	0.083	120
HOK 140/80	10	10	0.083	80

Burning position

