

## Germicidal UV Lamps

### Standard Low Pressure Lamps from Heraeus Noblelight

With high-energy UV light contaminated water, air and surfaces can be disinfected and cleaned safely.

Heraeus Noblelight offers a broad range of germicidal UV lamps that are manufactured from high quality quartz glass. Standard lamps and customized lamps are available.

- The quartz material and electrode design defines the quality and operating performance of the UV lamps. L-type quartz cuts off the UV radiation below 240nm and ensures that no ozone is produced.

Lamps made of VH-Type quartz are ozone generating.

- High Output Lamps have a specific electrode design. Their output is 30% to 60% higher than the output of conventional lamps of the same lamp length.

- U-shaped Lamps produce a higher output in a compact design.

- All lamps are available as instant start or pre-heated lamps.

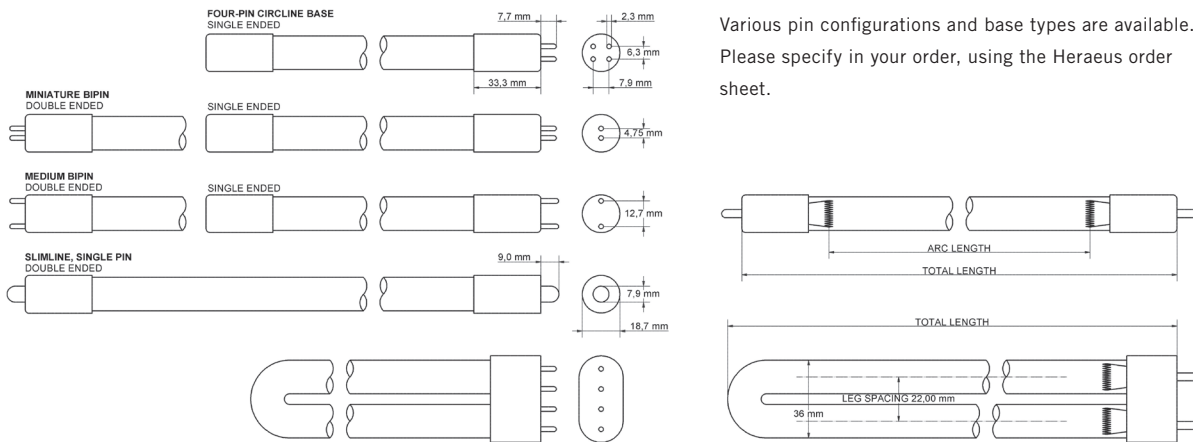
- Custom design UV lamps are always produced in close co-operation with customers to meet their requirements. Optimal design of the system, technical support in the design phase, proprietary lamps with individual bases are safe for the customer's spare lamp business.

- Typical lamp life is 9000 hours. Lamp life in hours and UVC output in Watts were measured with lamps operated under laboratory conditions. For reference purposes only. Actual life heavily depends on operating conditions.

## Summary of Standard Germicidal Lamps

Lamp Type	Total length mm	Arc length mm	Lamp power Watt	Lamp current mA	Lamp Voltage V (@50Hz)	UVC Output Watt	UVC@1m μW/cm <sup>2</sup>
<b>Tubular Lamps</b>							
GPH135T5L/4	135	55	5	425	15	1,2	10
GPH135T5VH/4	135	55	5	425	15	1,2	10
GPH150T5L/4	150	70	6	425	18	1,5	14
GPH150T5VH/4	150	70	6	425	18	1,5	14
GPH212T5L/4	212	132	10	425	30	2,7	26
GPH212T5VH/MBP SE	212	132	10	425	30	2,7	26
GPH212T5VH/4	212	132	10	425	30	2,7	26
GPH237T5L/4	237	157	11	425	30	3,0	30
GPH265T5L/4	265	185	12	425	35	3,4	33
GPH265T5VH/4	265	185	12	425	35	3,4	33
GPH287T5L/4	287	207	14	425	41	4,0	40
GPH287T5VH/4	287	207	14	425	41	4,0	40
GPH317T5L/4 (=TUV16WT5/4)	317	237	16	425	46	4,8	48
GPH357T5L/4	357	277	17	425	51	5,7	56
GPH357T5VH/4	357	277	17	425	51	5,7	56
GPH436T5L/4	436	356	21	425	62	7,3	72
GPH436T5L/MBP	436	356	21	425	62	7,3	72
GPH436T5VH/4	436	356	21	425	62	7,3	72
GPH793T5L/4	793	713	38	425	112	13,5	125
GPH793T5VH	793	713	38	425	112	13,5	125
G36T5L Single Pin*	842	762	41	425	120	14,3	130
G36T5L/4 *	842	762	41	425	120	14,3	130
G36T5VH/4 *	842	762	41	425	120	14,3	130
G64T5L/4	1554	1474	75	425	220	30,0	220
G64T5L MBP SE	1554	1474	75	425	220	30,0	220
G64T5L Single Pin	1554	1474	75	425	220	30,0	220
G64T5VH/4	1554	1474	75	425	220	30,0	220
G64T5VH Single Pin	1554	1474	75	425	220	30,0	220
GPH1630T5VH MBP(=G67T5VH)	1630	1550	79	425	231	32,0	225
<b>U-shaped Lamps</b>							
GU22-10T5L	186	277	16	425	55	5,3	55
GU22-390T5VH	390	699	36	425	100	12	105
GU22-36T5L	429	762	39	425	120	13,8	120
<b>High Output Lamps</b>							
GHO36T5L/4 *	842	710	80	880	100	27,0	250
GHO36T5VH/4 *	842	710	80	880	100	27,0	250
GHO64T5L/4	1554	1440	160	880	200	49,0	380
GHO64T5VH/4	1554	1440	160	880	200	49,0	380

Custom lamps are available on request. Please contact us.



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