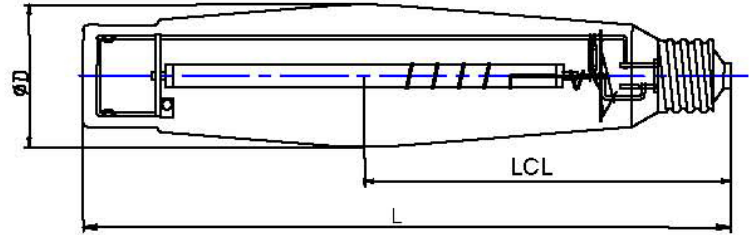




HPS 1000W

E type - clean niobium tube

External dimensions



1. Geometry dimensions					
Item	Item description		parameter		
1.1	Dimension ($\varnothing D$)	[mm]	80 Max (E25)		
1.2	Dimension (LCL)	[mm]	212 \pm 5		
1.3	Dimension (L) full length of lamp	[mm]	375 Max		
1.4	Base type	/	E39		
1.5	Base axially	$^{\circ}$	3 Max		
2. Starting description					
2.1	Starting voltage limit requirement	[V]	456		
2.2	Starting time	[S]	5 Max		
3. Ignite description					
3.1	Pulse voltage	[kV]	3000~5000		
3.2	Pulse time	[μ s]	4 us at 2700V Min		
3.3	Pulse times	[times]	once per cycle		
4. Electrical technical data					
4.1	Voltage	[V]	194~250~278		
4.2	Current (reference)	[A]	4.7		
4.3	Wattage (reference)	[W]	1000 (1100 max)		
5. Light technical data					
5.1	Luminous flux	[Lm]	Rated:130000	Ave:120000	Min:98000
5.2	Colour temperature	[K]	2100		
5.3	Colour index	/	\leq 30		
5.4	Lumen maintenance (2000h)	[%]	> 90		
5.5	Average life	[h]	20000		
6. Reference ballast characteristic					
6.1	Rated frequency	[Hz]	60		
6.2	Rated voltage	[V]	480		
6.3	Reference current	[A]	4.7		
6.4	Voltage - current ratio	/	77		
6.5	Power factor	/	0.06 \pm 0.005		
7. Others					
7.1	Base temperature	[$^{\circ}$ C]	210 Max.		
7.2	Outer bulb temperature	[$^{\circ}$ C]	410 Max.		
7.3	Base torque force	[N.m]	5 Min.		
7.4	Burning position	/	horizontal \pm 15 $^{\circ}$		