



Title

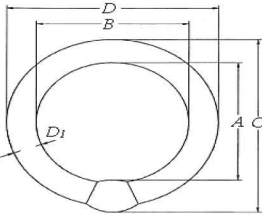
T9C-32W-Halo-NL-299-IEC Product Specification

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**Market:****1 Dimensions &Cap**

	Referenced standard	Dimension	Rated	Tolerance	Unit
	IEC 60901	A	243.0	$\pm 3$	mm
		B	243.0	$\pm 4$	mm
		C/D	299.0	$\pm 5$	mm
		D1	28.5	$\pm 1$	mm
		Cap	G10q		

**2 Reference Ballast characteristics**

Nominal wattage(w)	Rated voltage(V)	Calibration current (A)	Voltage/current ratio( $\Omega$ )	Frequency (Hz)	Power factor	Others
32	220	0.450	415	50	0.1	/

**3 Electrical Characteristic**

Parameter	Symbol	Testing condition and method	Referenced standard	Rated	Tolerance	Unit
Nominal power	P	100 hrs, 25°C T9-32W Ref. ballast	IEC 60901	32.0		W
Rated watts	P			32.0	$\leq 34.1$	W
Lamp voltage	U			84	$\pm 10$	V
Lamp current	I			450		mA

**4 Photometrical Characteristic**

Parameter (Lumen)	Symbol	Testing condition and method	Referenced standard	Rated	Tolerance	Unit
2700K/3000K	$\Phi$	100 hrs, 25°C T9-32W Ref. ballast	/	2000	-8%	lm
3500K/4100K	$\Phi$			2000		
5000K/6500K	$\Phi$			1750		

**5 Efficiency**

Parameter (Color)	Symbol	Testing condition and method	Referenced standard	Rated	Tolerance	Unit
2700K/3000K	$\eta$	100 hrs, 25°C T9-32W Ref. ballast	/	61	/	lm/W
3500K/4000K	$\eta$			61		
5000K/6500K	$\eta$			53		

**6 Color Characteristics**

Parameter (Color)	Symbol	Testing condition and method	Referenced standard	Rated	Tolerance	Unit
Color-2700K	Tc	100 hrs, 25°C T9-32W Ref. ballast	IEC 60081	/		
Color-3000K	Tc			x=0.440 y=0.403		
Color-3500K	Tc			x=0.409 y=0.394		
Color-4000K	Tc			x=0.380 y=0.380		
Color-5000K	Tc			x=0.346 y=0.359		
Color-6500K	Tc			x=0.313 y=0.337		
CRI-027	Ra		/	/	-3	
CRI-030	Ra			49	-3	
CRI-035	Ra			54	-3	
CRI-040	Ra			60	-3	
CRI-050	Ra			70	-3	
CRI-065	Ra			75	-3	
Color tolerance	SDCM			IEC 60081		$\leq 4$



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**7 Lumen maintenance &Life**

Parameter	Symbol	Testing condition and method	Referenced standard	Rated	Unit	
Lumen maintenance	%	2000hrs,	/	85	%	
		4000hrs,		165minutes "On" ;		80
		8000hrs,		15minutes "Off" ;		78
		/		T9-32W Ref. ballast		/
Life	h	165minutes "On" ; 15minutes "Off" ; T9-32W Ref. ballast	/	12,000	h	

**8 Ignition Requirement**

Parameter	Symbol	Testing condition and method	Referenced standard	Rated	Unit
Ignition time	t	198V/50Hz, with T9-32W ballast	/	≤10	s

**9 Cathode Characteristics**

Parameter	Symbol	Testing condition and method	Referenced standard	Rated	Unit
Hot resistance	Rh	/	/	/	Ω
Rh/RC	Rh/Rc	/	/	/	/

**10 safety Requirement**

All of safety item	Comply with IEC 61199

Prepared (Date)	Audit (Date)	Joint signature (Date)	Approved (Date)